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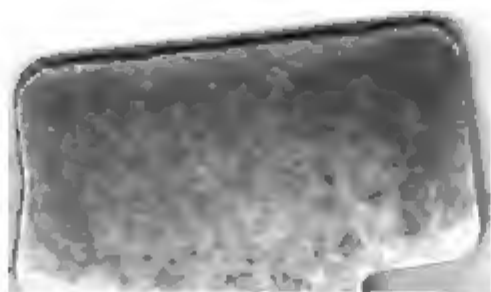
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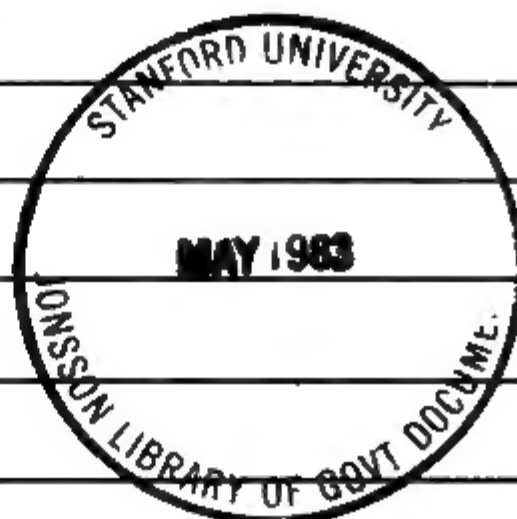
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National
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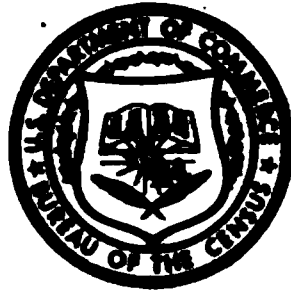
103d Edition

1982-83



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The cooperation of many contributors to this volume is gratefully acknowledged. The source note below each table credits the various government and private agencies which have collaborated in furnishing information for the **Statistical Abstract**. In a few instances, contributors have requested that their data be designated as subject to copyright restrictions, as indicated in the source notes to the tables affected. Permission to use copyright material should be obtained directly from the copyright owner.

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Preface

The *Statistical Abstract of the United States*, published since 1878, is the standard summary of statistics on the social, political, and economic organization of the United States. It is designed to serve as a convenient volume for statistical reference and as a guide to other statistical publications and sources. The latter function is served by the introductory text to each section, the source note appearing below each table, and Appendix IV, which comprises the Guide to Sources of Statistics and the Guide to State Statistical Abstracts.

This volume includes a selection of data from many statistical publications, both governmental and private. Publications cited as sources usually contain additional statistical detail and more comprehensive discussions of definitions and concepts than can be presented here. Data not available in publications issued by the contributing agency but obtained from unpublished records are identified in the source notes as "unpublished data." More information on the subjects covered in tables so noted may generally be obtained from the source.

Except as indicated, figures are for the United States as presently constituted. Although emphasis in the *Statistical Abstract* is given primarily to national data, many tables present data for regions and individual States and a smaller number for metropolitan areas and cities. Appendix II, Metropolitan Area Concepts and Components, presents explanatory text, a complete current listing and population data from the 1980 census for the official standard metropolitan statistical areas (SMSA's), the New England county metropolitan areas (NECMA's), and the standard consolidated statistical areas (SCSA's). Statistics for the Commonwealth of Puerto Rico and for outlying areas of the United States are included in many State tables and are supplemented by information in section 32. Additional information for States, cities, counties, metropolitan areas, congressional districts, and other small units, as well as more historical data, are available in various supplements to the Abstract (see inside back cover).

USA Statistics in Brief, 1982, the pocket-size loose insert in front of the book, is available separately. Price information can be obtained from, and orders sent to, U.S. Department of Commerce, Bureau of the Census, Customer Services Division, Washington, D.C. 20233. A 25 percent discount will be allowed on orders of 100 copies or more sent to the same address.

Statistics in this edition are generally for the most recent year or period available by October 1982. Also, there is a special section beginning on p. *xix* that summarizes some of the 1982 election results which became available too late in our printing schedule to be included in our regular tables in section 16. The results of the 1980 decennial census that were available are featured in several sections. Each year more than 1,600 tables and charts are reviewed and evaluated; new tables and charts of current interest are added, continuing series are updated, and less timely data are condensed or eliminated. Text notes and appendixes are revised as appropriate.

In all, there are 93 new tables, distributed among 24 of the 32 sections. In addition, graphic charts have been revised or updated and many sections have undergone tabular rearrangement and format changes designed to improve the organization of subject matter. Of the tables included in the 1981 edition, 115 were omitted from this issue. The omissions represent primarily tables for which comparable details appear in other tables or for which no recent data are available, or tables for which the subject matter shown was considered relatively less important in the light of the space required for presentation.

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Among the new tables relating to people and their concerns are:

- Households, by type. . . 17
- Social and economic characteristics of women who have had a child in the last year. . . 54
- Persons with health care coverage. . . 67
- Private elementary and high school enrollment and tuition. . . 118
- Labor trends, by sex, race, and age. . . 182
- Characteristics of workers performing nonmanufacturing part-time work. . . 184

- Median weekly earnings, by family type and number of workers. . . 404
- Money income of households. . . 429
- Lifetime earnings, by sex, age, and education—A statement. . . 439
- Persons below the poverty level and poverty and other alternative income concepts and related techniques. . . 447
- Corporate ownership. . . 548

Government and economic activities are reflected in new tables in:

- The revenues and the expenses of local elementary and secondary schools. . . 59
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- Firms and their firms and their status. . . 657
- New Federal Government prime contract orders, by region, type of financing, and sales price. . . 742

Revised statistics.—Specific revised statistics in the Abstract and main tables to earlier editions have been revised because of the major Survey of the Social Sciences Survey of 1972 (See Appendix I, p. 451-454).

State and metropolitan area statistics.—Appendix I identifies tables in the Abstract for which information is now available from the State and Metropolitan Area Data Book, 1972. See p. 457.

Statistical reliability and responsibility.—The contents of this volume were taken from many sources. All data from other sources and surveys or from administrative records are subject to errors arising from a number of factors. Sampling variability (for statistics based on samples), reporting errors, errors due to individual units, incomplete coverage, nonresponse imputations, and processing errors. See also Appendix II, pp. 805-823.) The Bureau of the Census cannot accept the responsibility for the accuracy or limitations of the data presented here, other than for those which it collects. The responsibility for selection of the material and for proper presentation, however, rests with the Bureau.

For additional information on data presented.—Please consult the source publications available in this Abstract or write to the agencies indicated in the source notes. Write to the Bureau of the Census only if it is cited as the source.

Suggestions and comments.—Users of the Statistical Abstract and its supplements (see inside back cover) are asked to make their data needs known for consideration in planning future editions. Suggestions and comments for improving coverage and presentation of data should be sent to the Director, U.S. Bureau of the Census, Washington, D.C. 20299.

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APPROXIMATE CONVERSIONS

[For information regarding conversion, call or write the Office of Voluntary Metric Conversion, U.S. Department of Commerce, Washington, D.C. 20230 (202-377-0944)]

Customary		Metric		Metric		Customary
Inches (in)	x	25.4 = millimeters		Millimeters (mm)	x	.04 = inch
Feet (ft)	x	.3 = meter		Meters (m)	x	3.3 = feet
Yards (yd)	x	.9 = meter		Meters (m)	x	1.1 = yards
Miles (mi)	x	1.6 = kilometers		Kilometers (km)	x	.6 = mile
Square inches (in ²)	x	6.5 = sq centimeters		Sq centimeters (cm ²)	x	.2 = sq inch
Square feet (ft ²)	x	.1 = sq meter		Square meters (m ²)	x	10.8 = sq feet
Square yards (yd ²)	x	.8 = sq meter		Square meters (m ²)	x	1.2 = sq yards
Acres	x	.4 = hectare		Hectares (ha)	x	2.5 = acres
Cubic feet (ft ³)	x	.03 = cu meter		Cu meters (m ³)	x	35.3 = cu feet
Cord (cd)	x	3.6 = cu meter		Liters (l)	x	1.1 = quarts (lq)
Quarts (lq) (qt)	x	.9 = liter		Cu meters (m ³)	x	284.2 = gallons
Gallons (gal)	x	.004 = cu meters		Grams (g)	x	.04 = ounce (avdp)
Ounces (avdp) (oz)	x	28.4 = grams		Kilograms (kg)	x	2.2 = pounds (advp)
Pounds (advp) (lb)	x	.5 = kilogram		Kilowatts (kW)	x	1.3 = horsepower
Horsepower (hp)	x	.7 = kilowatt		Degrees Celsius	x	9/5 + 32 = degrees Fahrenheit
Degrees Fahrenheit (-32)	x	5/9 = degrees Celsius				

UNITS OF LENGTH AND AREA

Customary		Metric		Metric		Customary
Inch (in)		= 25.4 millimeters		Millimeter (mm)	=	.001 meter = .039 inch
Foot (ft)	=	12 in = .305 meter		Centimeter (cm)	=	.01 meter = .394 inch
Yard (yd)	=	36 in or 3 ft = .914 meter		Decimeter (dm)	=	.1 meter = 3.937 inches
Mile (mi)	=	5,280 ft = 1.609 kilometers		Meter (m)		= 3.281 feet
In ² (sq in)		= 6.452 cm ²		Kilometer (km)	=	1,000 meters = .621 mile
Ft ² (sq ft)	=	144 sq in = .093 m ²		Sq millimeter (mm ²)	=	.000001 m ² = .002 sq in
Yd ² (sq yd)	=	1,296 sq in = .836 m ²		Sq centimeter (cm ²)	=	.0001 m ² = .155 sq in
		or 9 sq ft		Sq decimeter (dm ²)	=	.01 m ² = 15.5 sq in
Acre	=	43,560 sq ft = .405 ha		Sq meter (m ²)		= 10.764 sq ft
Mile ² (sq mi)	=	640 acres = 2.59 km ²		Hectare (ha)	=	10,000 m ² = 2.471 acres
				Sq kilometer (km ²)	=	1,000,000 m ² = .386 sq mi

UNITS OF WEIGHT (OR MASS)

Customary		Metric		Metric		Customary
		Avoirdupois ¹				
Grain		= .065 gram		Gram (g)		= .035 oz avdp
Ounce (oz avdp)	=	437.5 grains = 28.350 grams		Dekagram (dag)	=	10 g = .032 oz troy
Pound (lb avdp)	=	7,000 grains = .454 kilogram		Hectogram (hg)	=	10g = .353 oz avdp
Hundredweight (cwt)	=	100 pounds = 45.359 kg				or .322 oz troy
Ton, short (tn)	=	2,000 pounds = .907 metric ton				3.527 oz avdp
Ton, long	=	2,240 pounds = 1.016 metric tons		Kilogram (kg)	=	or 3.215 oz troy
		Troy ²				
Ounce (oz troy) ³	=	480 grains = 31.104 grams		Metric ton	=	1,000 g = 2.205 lb avdp
Pound (lb troy)	=	5,760 grains = .373 kilogram			=	or 2.679 lb troy
		or 12 ounces				= 1.102 short tons
						or .984 long ton

¹For weighing ordinary commodities. ²For weighing precious metals, jewels, etc. ³Also known as fine ounces.

UNITS OF CAPACITY

Customary		Metric		Customary		Metric
		Liquid				Dry
Fluid ounce (fl oz)		= 29.573 ml		Pint (pt)		= .551 dm ³
Pint (pt)	=	16 fl oz = .473 liter		Quart (qt)	=	2 pints = 1.101 dm ³
Quart (qt)	=	32 fl oz or 2 pt = .946 liter		Peck (pk)	=	8 quarts = 8.810 dm ³
Gallon (gal)	=	8 pt or 4 qt = 3.785 liters		Bushel (bu)	=	32 quarts = 35.238 dm ³
		Metric				Customary
		Milliter (ml)	=	.001 liter	=	.034 fl oz (liquid)
		Liter (l)			=	.002 pt (dry)
		Hectoliter (hl)	=	100 liters	=	1.057 qt (liquid)
					=	.908 qt (dry)
					=	26.418 gal (liquid)
					=	2.838 qt (dry)

The following symbols used in the tables throughout this book, are explained in condensed form in footnotes to the tables where they appear:

- Represents zero or rounds to less than half the unit of measurement shown.
 - B Base figure too small to meet statistical standards for reliability of derived figure.
 - D Figure withheld to avoid disclosure of information pertaining to a specific organization or individual.
 - NA Data not enumerated, tabulated, or otherwise available separately.
 - NS Percent change irrelevant or insignificant.
 - S Figure does not meet publication standards for reasons other than that covered by symbol B, above.
 - X Figure not applicable because column heading and stub line make an entry impossible, absurd, or meaningless.
 - Z Entry would amount to less than half the unit of measure shown.
- In many tables, details will not add to the totals shown because of rounding.

Example of table structure:

Table Number and Title		NO. 54. MARITAL STATUS OF POPULATION, 15 YEARS OLD AND OVER, BY HOUSEHOLDER STATUS, SEX AND AGE: 1981										
Unit indicator		[In thousands, except percent. As of March. Based on Current Population Survey: see text, p. 1 and Appendix III]										
Footnote indicator		Headnote										
Partial rule		Spanner										
		Column heads										
		Field										
		Heavy rule										

Headnotes immediately below table titles provide information important for correct interpretation or evaluation of the table as a whole or for a major segment of it.

Footnotes below the bottom rule of tables give information relating to specific items or figures within the table.

Unit indicators ("in thousands," "in millions of dollars," etc.) are usually given in boldface type as the first elements of the headnote. In tables where several units are used, the unit indicators are generally given in the stub or unit column or in the column headings.

Parallel vertical rules are used to the right of a total column to indicate—

- (1) that the components which follow add to the total (e.g., tables 1, 4, 29, etc.);
- (2) in the case of derived figures, that the underlying data are additive to their total (e.g., table 29 for ratios, table 48 for percentages, table 87 for rates and table 90 for medians).

Heavy vertical rules are used—

- (1) in tables where the stub is continued into one or more additional columns across the table to separate each segment of stub and its accompanying data columns from the continued segments (e.g., tables 2, 22, 41, etc.);
- (2) to set off independent sections of a table (e.g., tables 1, 3, 5, etc.).

Averages. An average is a single number or value that is often used to represent the "typical value" of a group of numbers. It is regarded as a measure of "location" or "central tendency" of a group of numbers.

The *arithmetic mean* is the type of average used most frequently. It is derived by summing the individual item values of a particular group and dividing the total by the number of items. The arithmetic mean is often referred to as simply the "mean" or "average."

The *median* of a group of numbers is the middle number or value when each item in the group is arranged according to size (lowest to highest or vice versa); it generally has the same number of items above it as below it. If there is an even number of items in the group, the median is taken to be the average of the two middle items.

Per capita (or per person) quantities. A per capita figure represents an average computed for every person in a specified group (or population). It is derived by taking the total for an item (such as income, taxes, or retail sales) and dividing it by the number of persons in the specified population.

Index numbers. An index number is a measure of difference or change, usually expressed as a percent, relating one quantity (the variable) of a specified kind to another quantity of the same kind. Index numbers are widely used to express changes in prices over periods of time but may also be used to express differences between related subjects for a single point in time.

To compute a price index, a base year or period is selected. The base year price (of the commodity or service) is then designated as the base or reference price to which the prices for other years or periods are related. Many price indexes use the year 1967 as the base year; in tables, this is shown as "1967 = 100." A method of expressing the price relationship is:

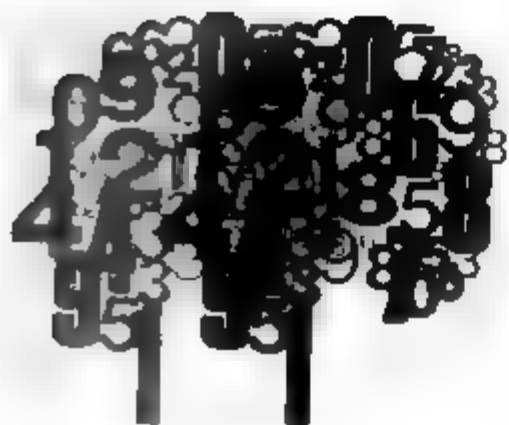
$$\frac{\text{Price of a set of one or more items for related year}}{\text{Price of the same set of items for base year}}$$

The result multiplied by 100 provides the index number. When 100 is subtracted from the index number, the result equals the percent change in price from the base year.

Average annual percent change. Unless otherwise stated in the *Abstract* (as in Section 1, Population), average annual percent change is computed by use of a *compound interest formula*. This formula assumes that the rate of change is constant throughout a specified compounding period (one year for average annual rates of change). The formula is similar to that used to compute the balance of a savings account which receives compound interest. According to this formula, at the end of a compounding period the amount of accrued change (e.g., school enrollment or bank interest) is added to the amount which existed at the beginning of the period. As a result, over time (e.g., with each year or quarter), the same rate of change is applied to a larger and larger figure.

The *exponential formula*, which is based on continuous compounding, is often used to measure population change. It is preferred by population experts because they view population and population-related subjects as changing without interruption, ever ongoing. Both exponential and compound interest formulas assume a constant rate of change. The former, however, applies the amount of change continuously to the base rather than at the end of each compounding period.

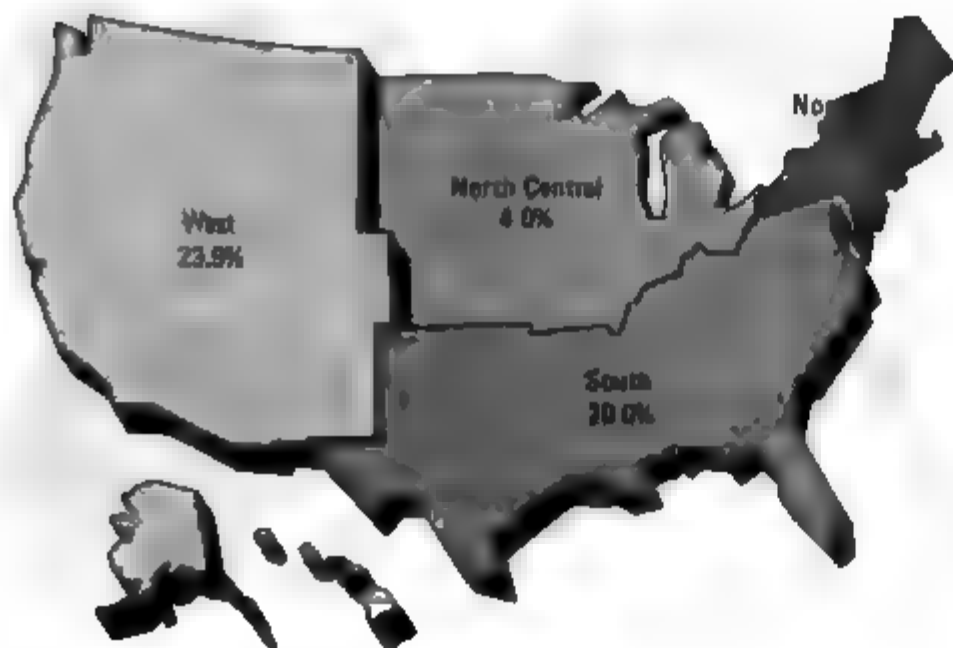
When the average annual rates are small (e.g., less than 5 percent), both formulas give virtually the same results. For an explanation of these two formulas as they relate to population, see U.S. Bureau of the Census, *The Methods and Materials of Demography*, vol. 2, 3d printing (rev.), 1975, pp. 372-381.



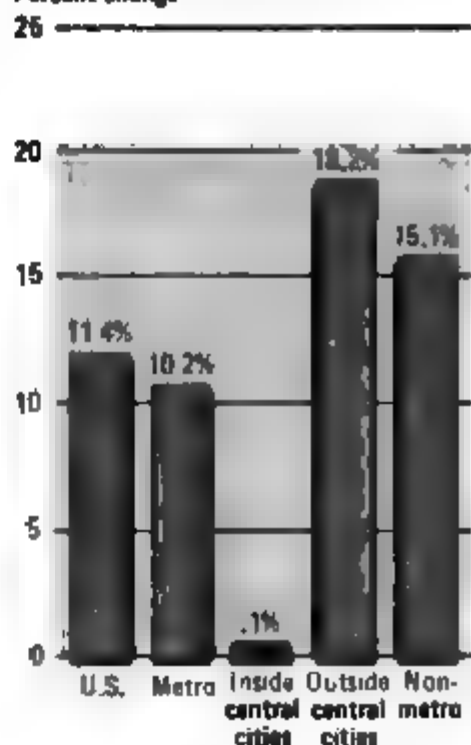
Recent Trends

Population

Resident Population —
Percent Change:
1970 to 1980



Metropolitan/Nonmetropolitan
Population, 1970 to 1980
Percent change



Subject	Unit of measure	1960	1970	1980	Percent change	
					1960-70	1970-80
Resident population, total	Millions	179.3	203.3	226.5	13.4	11.4
Northeast	Millions	44.7	48.1	48.1	9.8	.2
North Central	Millions	51.6	56.6	58.9	9.6	4.0
South	Millions	55.0	62.8	75.4	14.3	20.0
West	Millions	28.1	34.8	43.2	24.2	23.9
In metropolitan areas (310 SMSA's) ¹	Millions	131.3	153.7	168.4	17.1	10.2
Central cities	Millions	(NA)	67.9	68.0	(NA)	.2
Outside central cities	Millions	(NA)	85.8	101.5	(NA)	18.2
In nonmetropolitan areas	Millions	48.0	49.6	57.1	3.3	15.1
Urban	Millions	125.3	149.3	167.1	19.2	11.9
Percent of total	Percent	69.9	73.5	73.7	(NS)	(NS)
Rural	Millions	54.1	53.9	59.5	-.3	10.4
White	Millions	158.6	178.1	194.8	12.1	9.4
Black	Millions	18.9	22.6	26.6	19.7	17.9
Persons of Spanish origin ²	Millions	(NA)	9.1	14.8	(NA)	61.0
Native population	Millions	169.6	193.6	212.6	14.2	9.8
Percent born in other States	Percent	26.4	26.2	31.0	(NS)	(NS)
Foreign born	Millions	9.7	9.6	14.0	-1.2	45.1

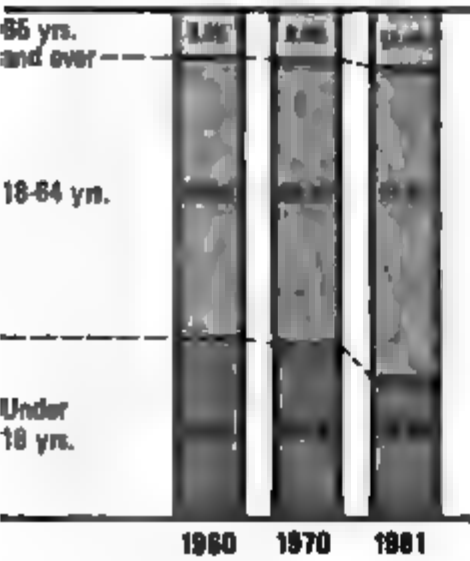
NA Not available. NS Not significant.

¹ Standard metropolitan statistical areas as defined, June 30, 1981.

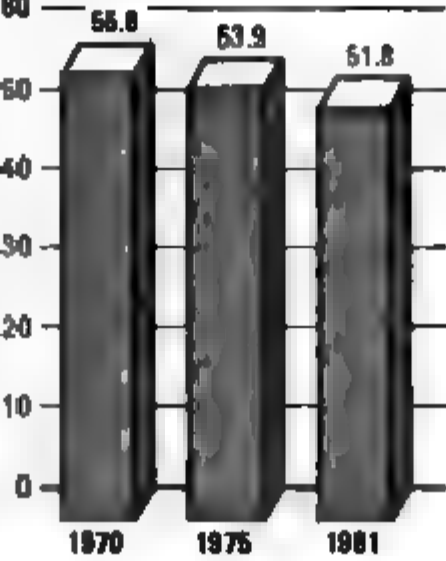
² Persons of Spanish origin may be of any race.

Population

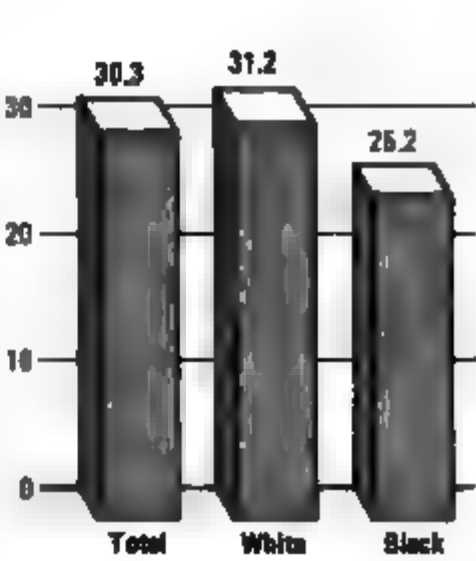
Resident Population — Age Distribution
Percent



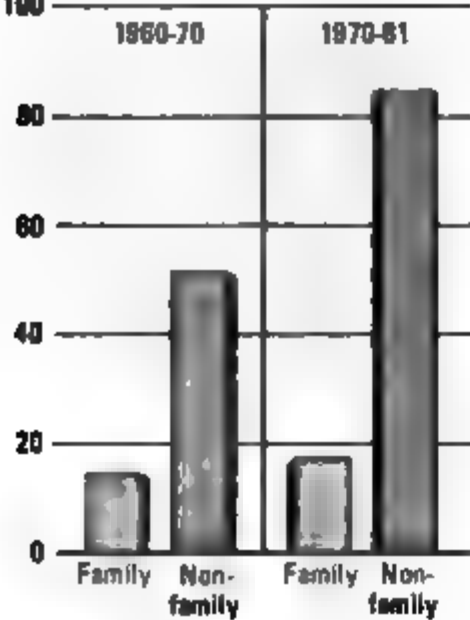
Percent of Families with Children¹
Percent



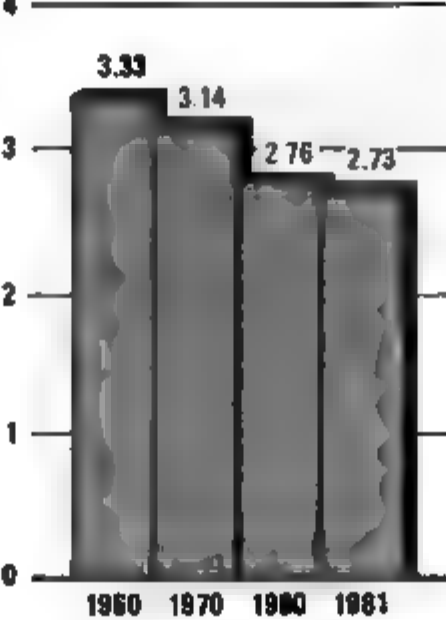
Median Age: 1981
Years



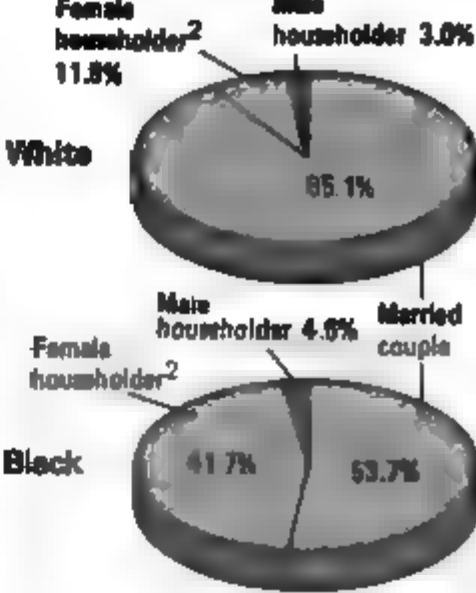
Households
Percent change



Persons per Household
Persons



Family Characteristics, 1981

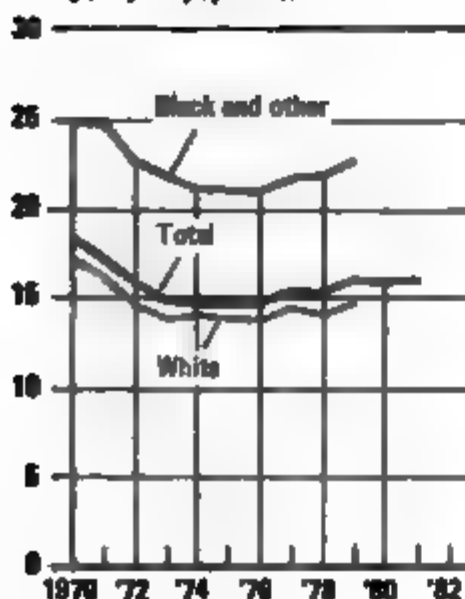


Subject	Unit of measure	1960	1970	1975	1980	1981	Average annual percent change		
							1960-70	1970-75	1975-81
Resident population, total	Millions	179.3	203.2	215.5	226.5	229.3	1.3	1.2	1.0
Under 18 years	Millions	64.2	69.7	67.2	63.7	63.2	.8	-.7	-1.0
18-64 years	Millions	98.6	113.6	125.6	137.2	139.9	1.4	1.9	1.8
65 years and over	Millions	16.6	20.0	22.7	25.5	26.3	1.9	2.5	2.5
Median age	Years	29.5	28.0	28.7	30.0	30.3	-.5	.6	.9
Households, total	Millions	52.8	63.4	71.1	80.8	82.4	1.9	2.3	2.5
Persons per household	Number	3.33	3.14	2.94	2.76	2.73	-.6	-1.3	-1.2
Family households	Millions	44.9	51.5	56.6	59.6	60.3	1.4	1.5	1.4
Percent with children ¹	Percent	(NA)	58	54	52	52	(NS)	(NS)	(NS)
Married couples	Millions	39.3	44.7	47.0	48.1	49.3	1.3	1.0	.8
Percent with children ¹	Percent	(NA)	67	64	61	61	(NS)	(NS)	(NS)
Female householder ²	Millions	4.4	5.5	7.1	8.7	9.1	2.2	5.3	4.1
Percent with children ¹	Percent	(NA)	62	60	63	62	(NS)	(NS)	(NS)
Nonfamily households	Millions	7.9	11.9	15.6	21.2	22.1	4.2	5.4	6.0
One-person households	Millions	6.9	10.9	13.9	19.3	19.9	4.6	5.1	5.2

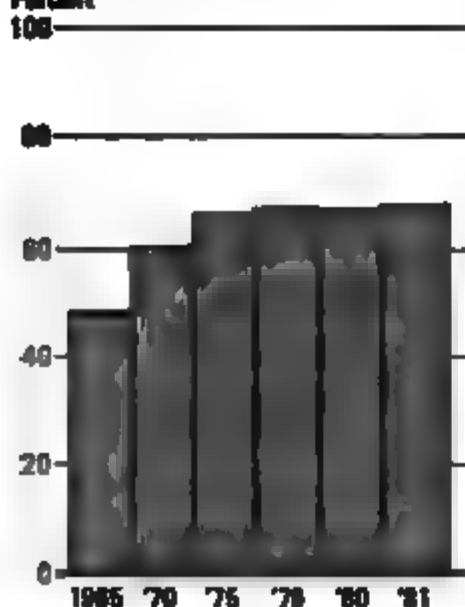
NA Not available. NS Not significant. ¹ Own children under 18 years old. ² No spouse present.

Vital Statistics and Health

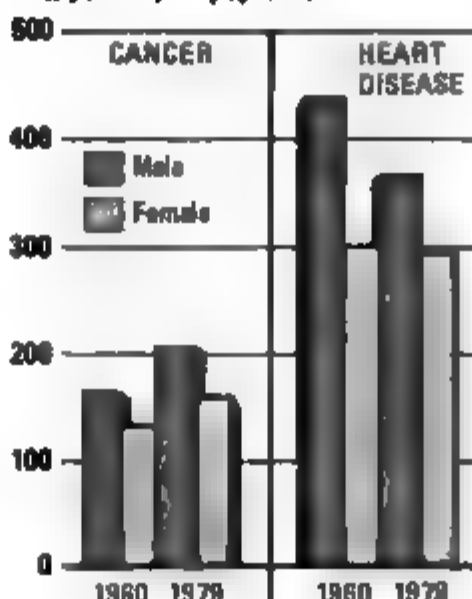
Birth Rate, by Race
Rate per 1,000 population



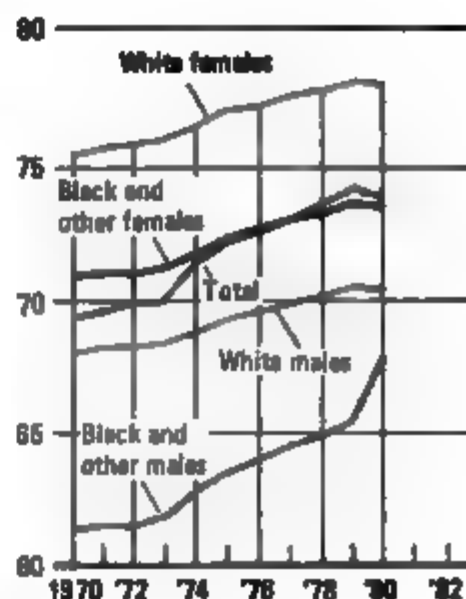
Third Party Payments as Percent of Personal Health Care Expenditures
Percent



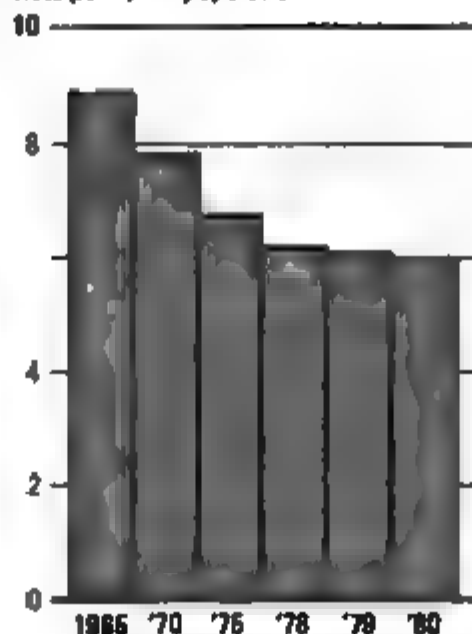
Death Rates, by Cause
Rate per 100,000 population



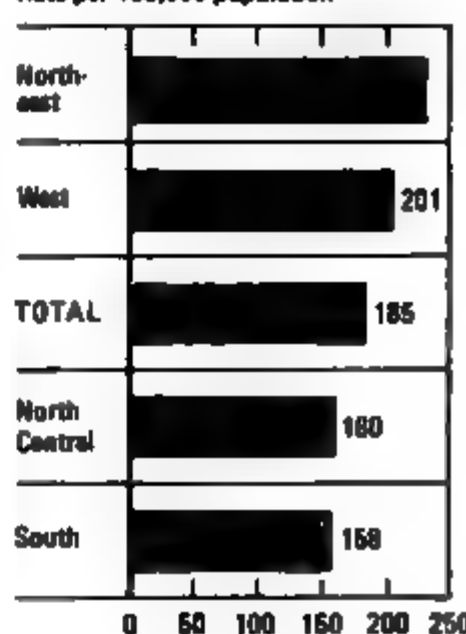
Life Expectancy at Birth Year



Hospital Beds
Rate per 1,000 population



Physicians', by Region: 1980
Rate per 100,000 population



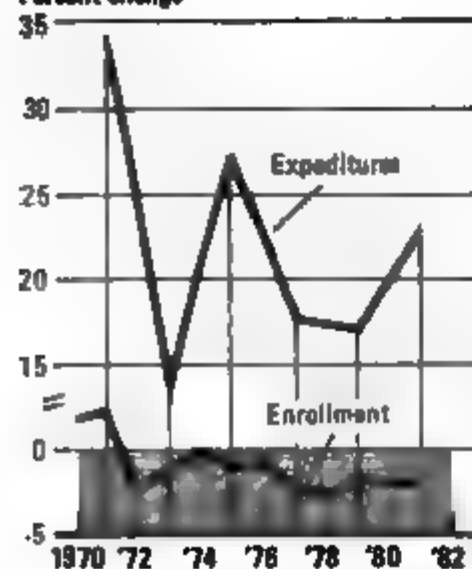
Subject	Unit of measure	1960	1970	1975	1980	1981	Average annual percent change		
							1960-70	1970-75	1975-81
Births	1,000	4,268	3,731	3,144	3,598	3,646	-1.3	-3.4	2.5
Deaths	1,000	1,712	1,921	1,893	1,986	1,987	1.2	-.3	.8
Birth rate per 1,000 population	Rate	23.7	18.4	14.8	15.8	15.9	-2.5	-4.3	1.2
White	Rate	22.7	17.4	13.8	¹ 14.8	(NA)	-2.6	-4.5	² 1.8
Black and other	Rate	32.1	25.1	21.2	¹ 22.8	(NA)	-2.4	-3.3	² 1.6
Death rate per 100,000 population	Rate	965	946	889	873	(NA)	-.1	-1.2	³ -.4
Heart disease	Rate	369	382	338	¹ 333	(NA)	-.2	-1.5	² -.2
Cancer	Rate	149	183	172	¹ 183	(NA)	.9	1.1	² 1.6
Marriage rate per 1,000 population	Rate	8.5	10.6	10.1	10.6	10.6	2.2	-1.0	.6
Divorce rate per 1,000 population	Rate	2.2	3.5	4.9	5.2	5.3	4.6	7.8	1.3
Life expectancy at birth: Male	Years	68.6	67.1	68.7	69.8	(NA)	1	.5	³ .3
Female	Years	73.1	74.8	76.6	77.5	(NA)	.2	.5	³ .3
Personal health care expenditures ⁴	\$Bil.	71.7	85.1	116.8	219.4	256.0	18.7	12.4	13.9
Third party payments	Percent	45.1	60.1	65.6	67.1	67.9	(NS)	(NS)	(NS)
Hospital beds per 1,000 population	Rate	9.3	7.9	6.8	6.0	(NA)	-1.6	-3.0	³ -2.5
Physicians, active, non-Federal	1,000	(NA)	279	335	414	(NA)	(NA)	3.7	² 4.5
Rate per 100,000 population	Rate	(NA)	136	157	186	(NA)	(NA)	2.8	² 3.7

NA: Not available. NS: Not significant. ¹ 1979 data. ² Change, 1975-79. ³ Change, 1975-80. ⁴ Excludes research, construction, public health activities and net cost of insurance.

Education and Law Enforcement

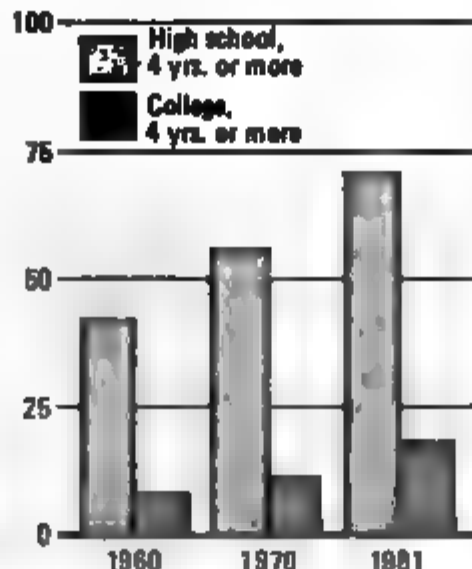
Public School Enrollment and Expenditures

Percent change



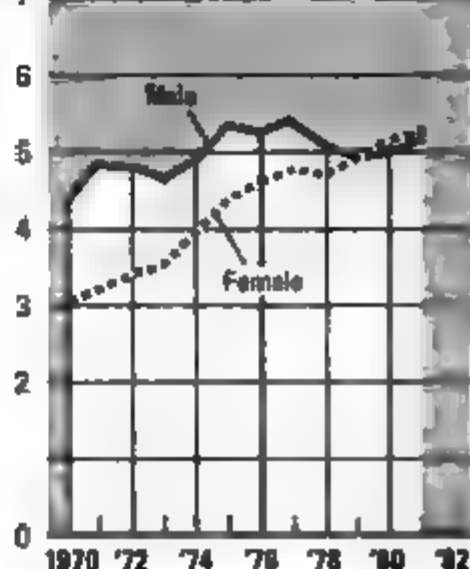
Educational Attainment (Persons 25 yrs. old and over)

Percent



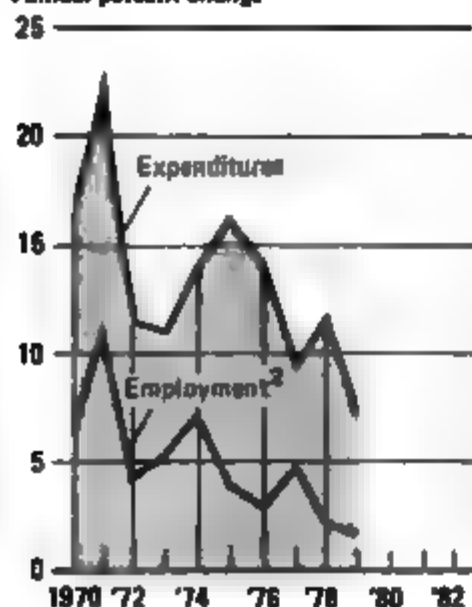
College Enrollment by Sex

Millions



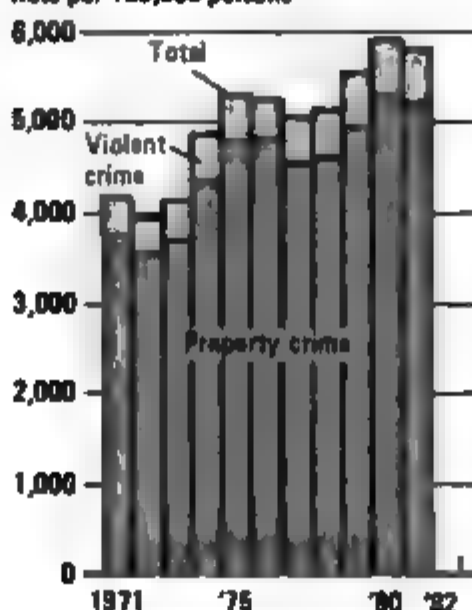
Criminal Justice Employment and Expenditures

Annual percent change



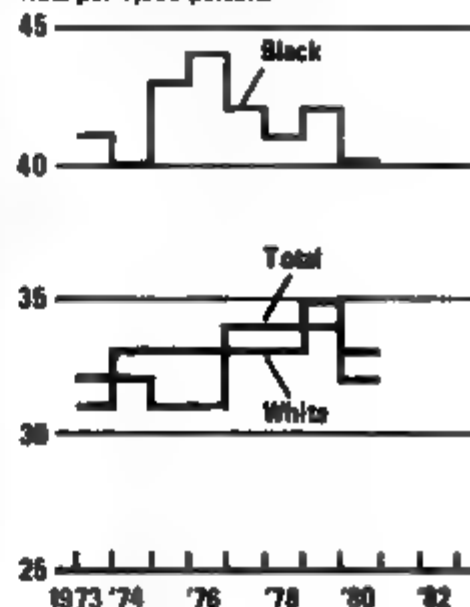
Crime Rate

Rate per 100,000 persons



Victimization Rates of Crimes Against Persons

Rate per 1,000 persons



Subject	Unit of measure	1960	1970	1975	1980	1981	Average annual percent change		
							1960-70	1970-75	1975-81
School enrollment (Oct.)	Millions	46.3	60.4	61.0	67.3	66.9	2.7	.2	-1.1
Elem. and secondary, public	Millions	38.7	48.2	44.5	(NA)	39.8	2.3	-.7	-1.8
Elem. and secondary, private	Millions	5.0	5.7	5.0	(NA)	4.6	-.3	-2.4	-1.4
School expenditures ¹	\$Bil.	28.8	70.1	121.6	181.3	(NA)	18.1	11.7	⁴ 8.3
Elem. and secondary, public	\$Bil.	13.7	41.0	84.8	97.5	(NA)	11.6	8.6	⁴ 8.5
College enrollment (Oct.)	Millions	3.6	7.4	9.7	10.2	10.4	7.5	5.5	1.2
Percent female	Percent	35.9	40.6	44.9	50.6	50.2	(NS)	(NS)	(NS)
Educational attainment ²									
High school, 4 yrs. or more	Percent	41.1	55.2	62.5	68.6	69.7	(NS)	(NS)	(NS)
College, 4 yrs. or more	Percent	7.7	11.0	13.9	17.0	17.1	(NS)	(NS)	(NS)
Crimes, number	1,000	3,384	8,008	11,257	13,295	13,296	8.1	6.8	2.8
Crime rate per 100,000 persons	Rate	1,807	3,985	5,282	5,900	5,880	7.8	5.8	1.6
Violent (against persons)	Rate	181	364	482	581	577	8.5	5.8	3.0
Property	Rate	1,726	3,621	4,800	5,319	5,223	7.7	5.8	1.4
Criminal justice employment ³	1,000	(NA)	775	1,851	⁵ 1,176	(NA)	(NA)	6.3	⁷ 2.9
Criminal justice expenditures	\$Mil.	3,349	8,571	17,248	⁶ 25,871	(NA)	8.8	15.0	⁷ 10.7

¹ Available. ² NS Not significant. ³ Elementary and secondary

single year.

⁴ Change, 1975-80.

⁵ Persons 25 years old and over.

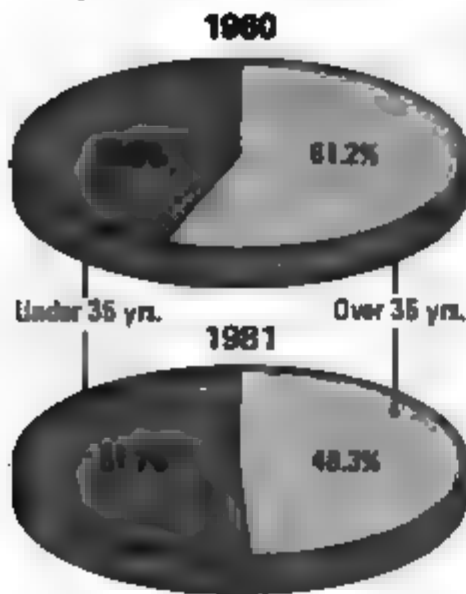
⁶ 1979 data.

⁷ For school year ending in

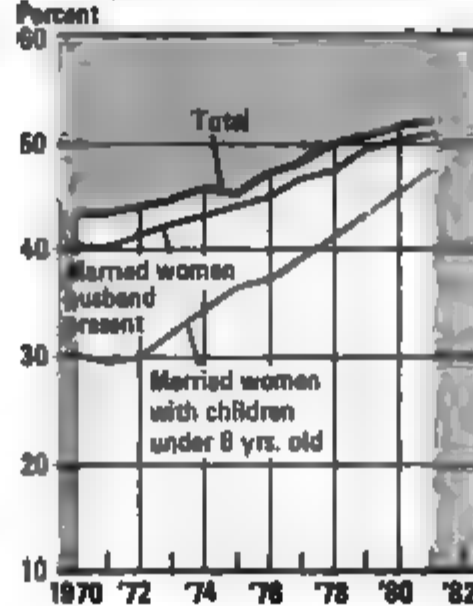
Change, 1975-79.

Labor Force and Income

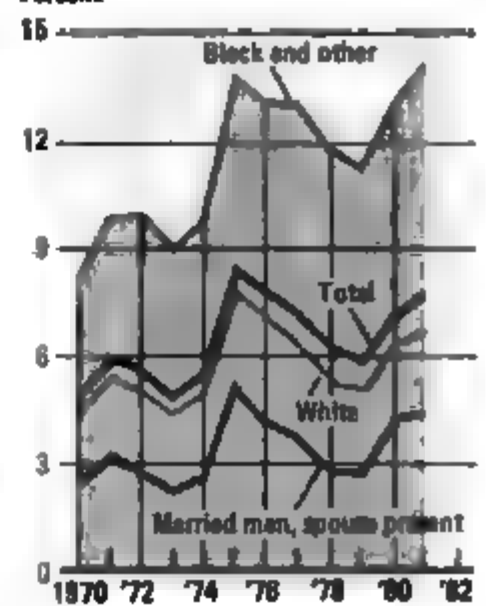
Labor Force — Age Composition



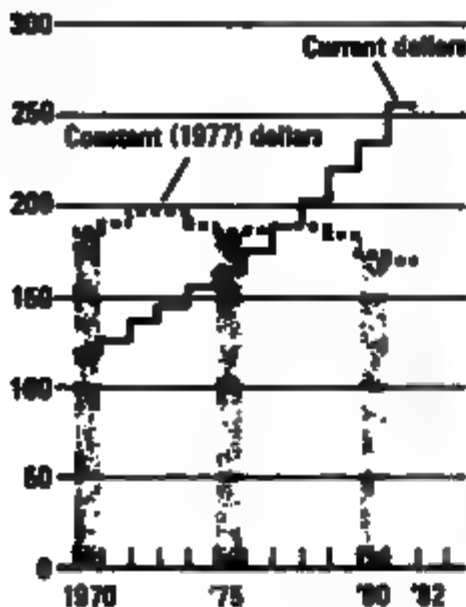
Female Labor Force—Participation Rate



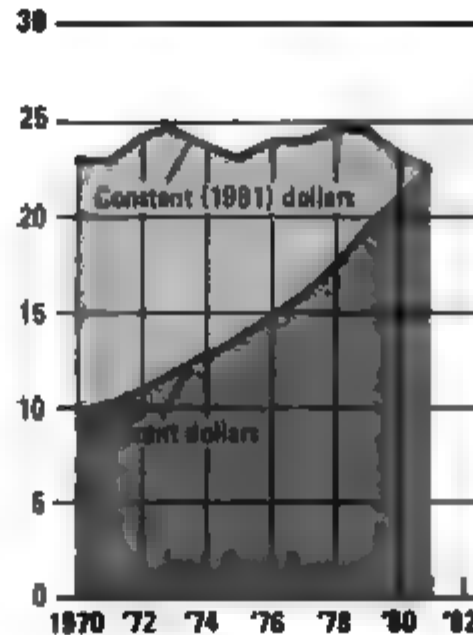
Unemployment Rate



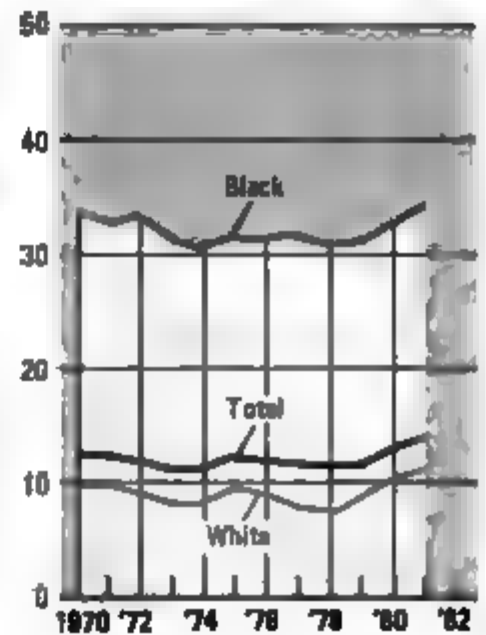
Gross Weekly Earnings — Private Nonagricultural Dollars



Median Family Income



Poverty Rate for Persons



Subject	Unit of measure	1980	1979	1975	1980	1981	Average annual percent change		
							1980-79	1979-75	1975-71
Labor force, total	Millions	72.1	86.0	96.8	106.0	110.8	1.8	2.2	2.4
Percent under 35 yrs. of age	Percent	38.8	43.8	48.0	51.1	51.7	(NS)	(NS)	(NS)
Civilian labor force	Millions	69.6	82.8	93.6	106.9	108.7	1.7	2.5	2.5
Unemployed	Millions	3.9	4.1	7.9	7.6	8.3	.6	14.1	.7
Unemployment rate	Percent	5.5	4.9	8.5	7.1	7.6	(NS)	(NS)	(NS)
Female participation rate	Percent	37.7	43.3	48.3	51.5	52.1	(NS)	(NS)	(NS)
Married wife, husband present	Percent	30.5	40.8	44.4	50.1	51.9	(NS)	(NS)	(NS)
Gross weekly earnings ¹	Dollars	81	120	164	236	255	4.0	8.4	7.7
Constant (1977) dollars	Dollars	185	187	184	173	170	1.3	-.3	-1.3
Median family income:									
Current dollars	Dollars	5,820	9,987	13,719	21,823	22,388	5.8	6.8	8.5
Constant (1981) dollars	Dollars	17,268	23,111	23,183	23,204	22,388	3.0	.1	-.6
Persons in poverty	Millions	38.9	26.4	25.9	29.3	31.8	-4.4	.4	2.1
Poverty rate	Percent	22.2	12.6	12.3	13.0	14.0	(NS)	(NS)	(NS)
White	Percent	17.8	8.9	8.1	10.2	11.1	(NS)	(NS)	(NS)
Black ²	Percent	55.9	33.5	31.3	32.5	34.2	(NS)	(NS)	(NS)

NS Not significant.

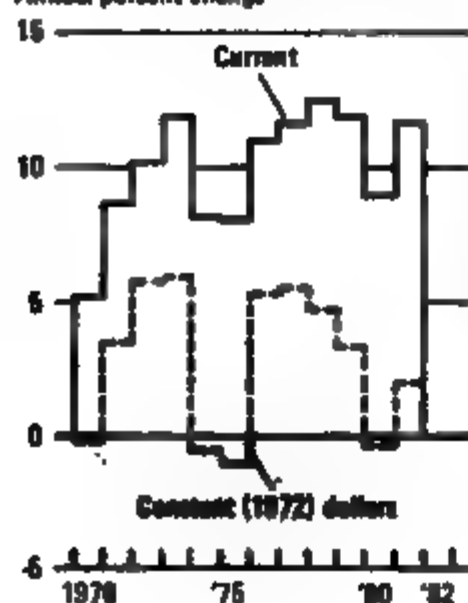
¹ Private nonagricultural.

² 1980-85, Black and other.

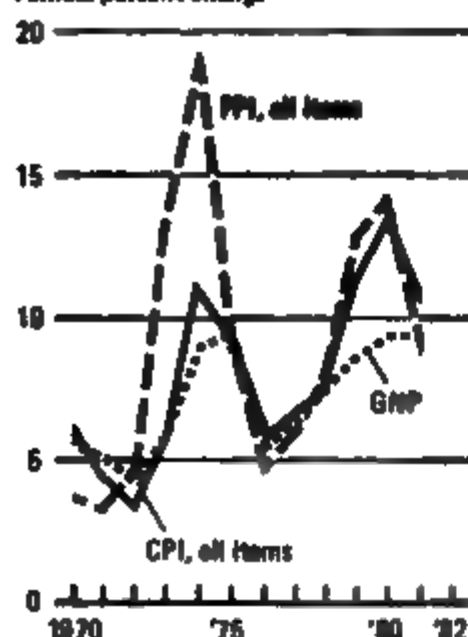


Income and Prices

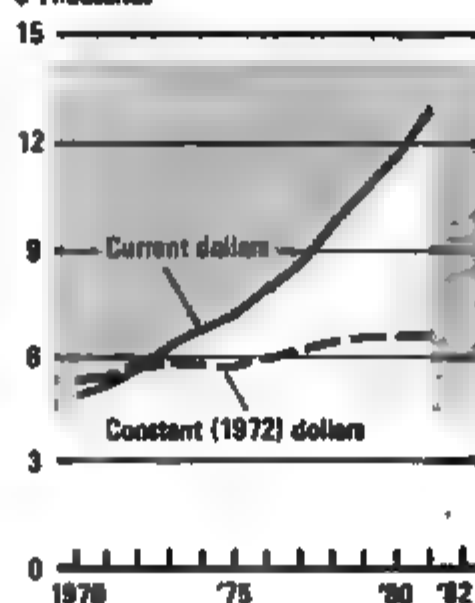
Gross National Product (GNP)
Annual percent change



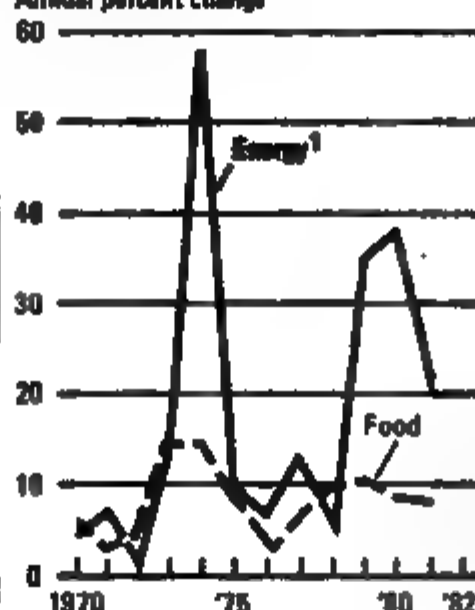
Price Indexes
Annual percent change



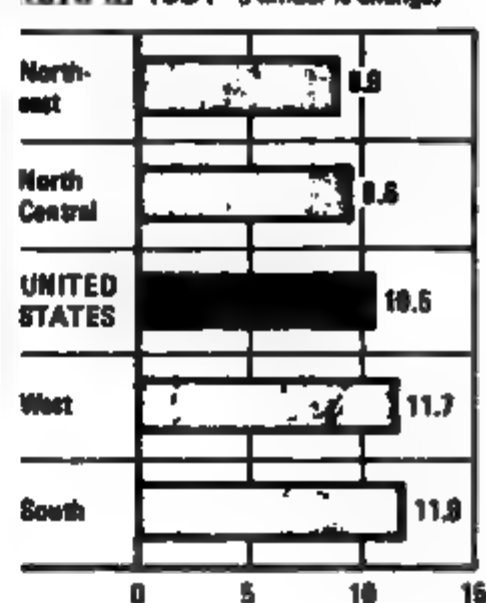
GNP per Capita
\$ Thousands



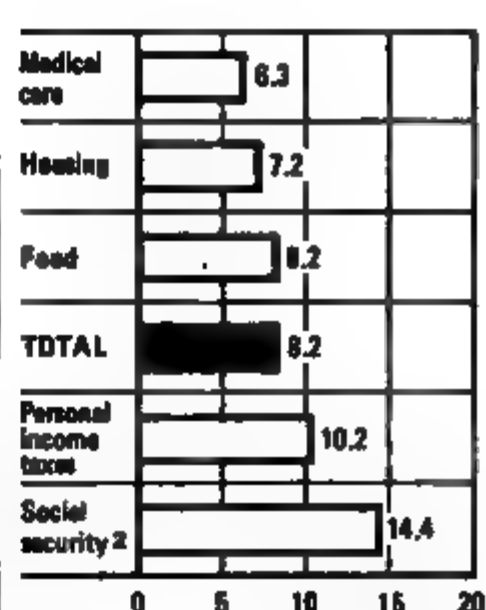
Energy and Food Consumer Price Indexes
Annual percent change



Personal Income, by Region:
1970 to 1981 (Annual % change)



Urban Intermediate Budget:
1970 to 1981 (Annual % change)



Subject	Unit of measure	1960	1970	1975	1980	1981	Average annual percent change		
							1960-70	1970-75	1975-81
Gross national product (GNP)	\$Bil.	587	983	1,549	2,633	2,838	7.0	9.3	11.3
National income	\$Bil.	416	811	1,239	2,117	2,353	6.9	8.9	11.3
Personal income	\$Bil.	482	811	1,265	2,180	2,416	7.3	9.3	11.4
Disposable personal income	\$Bil.	352	696	1,096	1,824	2,029	7.0	9.5	10.8
Personal saving	\$Bil.	29	58	94	186	130	11.0	11.1	6.5
GNP constant (1972) dollars	\$Bil.	737	1,086	1,232	1,474	1,503	4.0	2.6	3.4
Per capita	\$1,000	4.1	6.3	5.7	8.6	8.6	2.6	1.5	2.3
GNP implicit price deflator, index	1972=100	68.7	91.5	125.8	178.6	185.5	2.9	6.6	7.6
Producer price index (PPI)	1967=100	94.9	118.4	174.9	288.8	293.4	1.6	9.6	9.0
Consumer price index (CPI)		88.7	118.3	161.2	248.8	272.4	2.8	6.8	8.1
Food		88.0	114.9	175.4	254.8	274.8	2.7	8.8	7.8
Energy ¹		89.2	118.1	235.3	586.0	675.9	2.1	16.4	19.2
Urban intermediate budget:									
4-person family	\$1,000	(NA)	10.7	15.3	23.1	25.4	(NA)	7.5	8.8
Retired couple	\$1,000	(NA)	4.5	6.5	9.4	10.2	(NA)	7.8	7.9

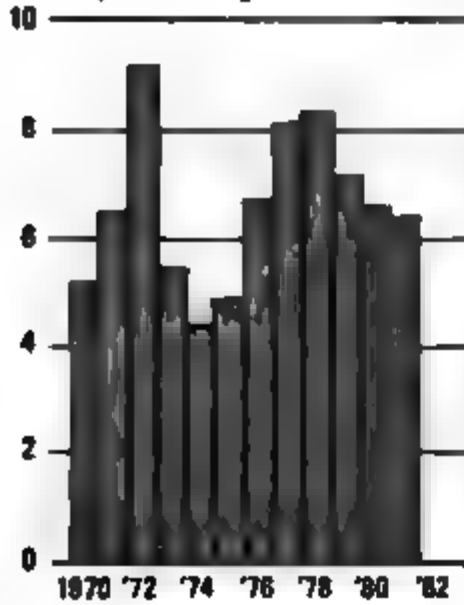
¹ Not available. ² Fuel oil, coal, and bottled gas.

³ Social security and disability insurance payments.

Business and Finance

Money Supply (M1)

Annual percent change



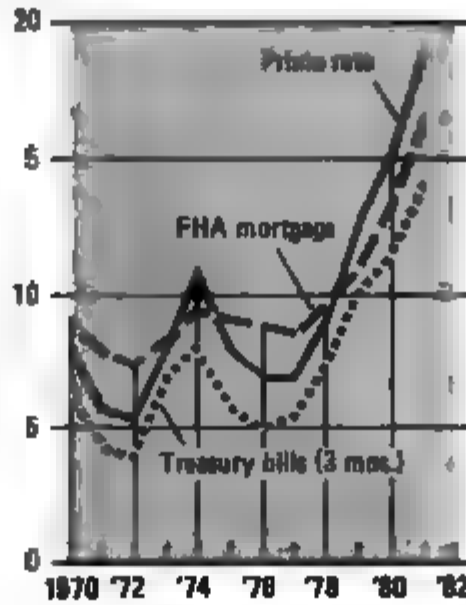
Common Stock Price Index (NYSE)

Index (Dec. 31, 1965 = 50)



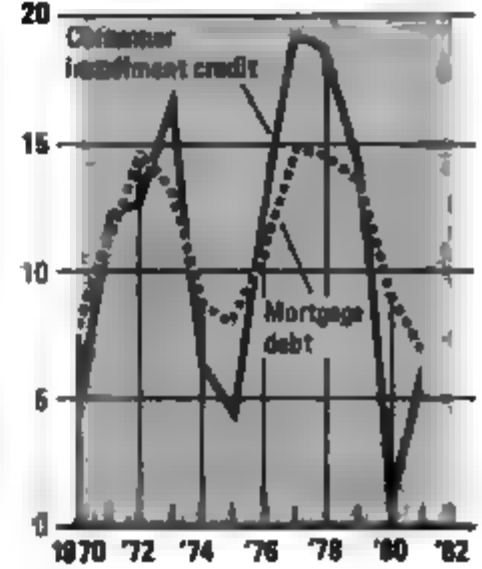
Interest Rates

Percent



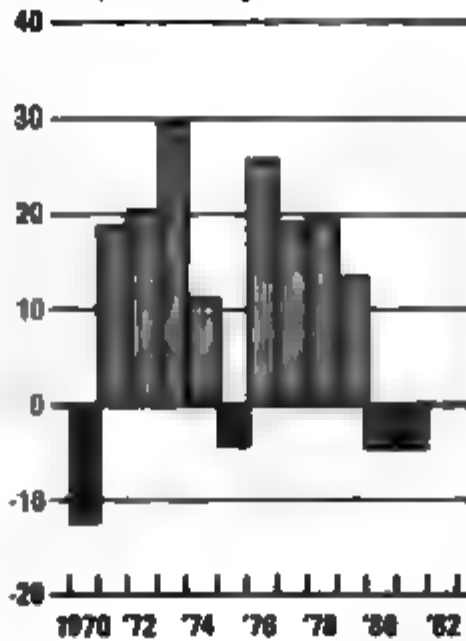
Consumer Installment Credit and Mortgage Debt

Annual percent change



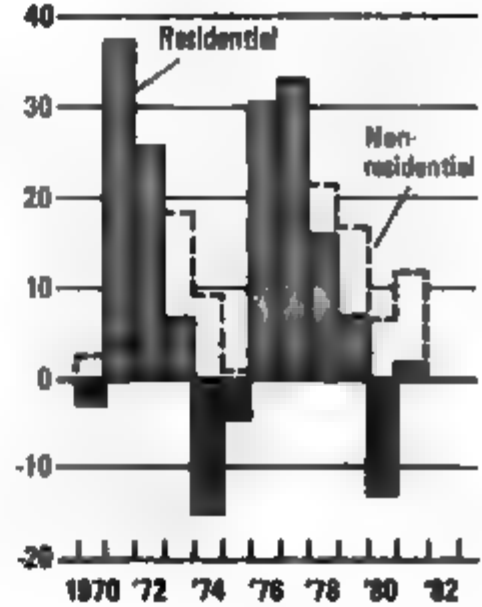
Corporate Profits After Taxes

Annual percent change



Gross Private Domestic Investment

Annual percent change

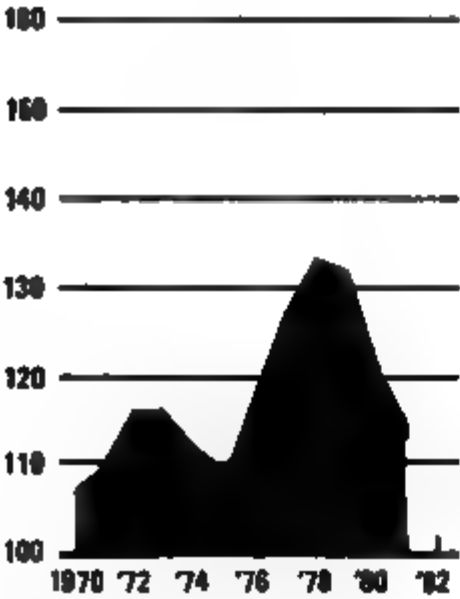


Subject	Unit of measure	1960	1970	1976	1980	1981	Average annual percent change		
							1960-70	1970-76	1976-81
Money supply (M1)	\$BIL.	142	217	291	416	441	4.3	6.0	7.2
Interest rates:									
Prime rate charged by banks	Percent	4.8	7.9	7.9	15.3	16.9	(NS)	(NS)	(NS)
Treasury bills, 3-month	Percent	2.9	6.4	6.8	11.4	14.0	(NS)	(NS)	(NS)
Commercial paper	Percent	(NA)	(NA)	6.3	12.7	15.3	(NA)	(NA)	(NS)
Home mortgages, conventional (new)	Percent	(NA)	8.6	9.1	11.0	11.8	(NA)	(NS)	(NS)
Consumer installment credit	\$BIL.	46	106	172	314	333	6.9	10.3	11.7
Mortgage debt outstanding	\$BIL.	287	474	802	1,446	1,646	6.6	11.1	11.6
NYSE Common stock index	Index, 1965=100	30.0	45.7	46.7	68.1	78.0	4.3	-	6.4
Dow Jones industrial (30 stocks)	Dollars	818	753	883	881	933	2.8	1.3	2.5
Corporate profits before taxes	\$BIL.	49.6	76.4	132.1	242.4	232.1	4.2	11.9	8.9
Corporate profits after taxes	\$BIL.	27.1	41.3	81.5	157.9	150.9	4.3	14.6	10.6
Gross private domestic investment	\$BIL.	76.9	144.2	298.1	482.3	471.0	6.6	7.4	14.8
Residential, fixed	\$BIL.	24.6	37.1	65.3	183.2	194.9	4.3	6.3	11.3
Nonresidential, fixed	\$BIL.	48.5	103.9	157.7	308.2	306.1	7.5	8.3	14.2

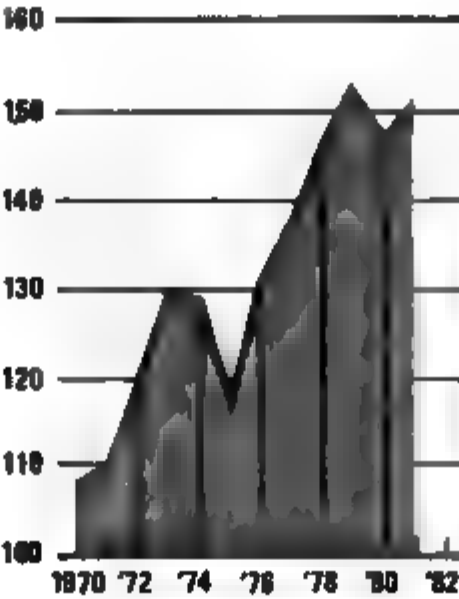
- Represents zero. NA Not available. NS Not significant.

Commerce

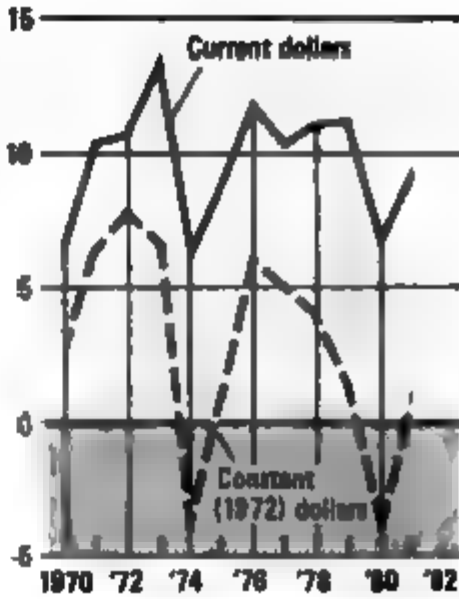
Net Business Formation
Index (1967 = 100)



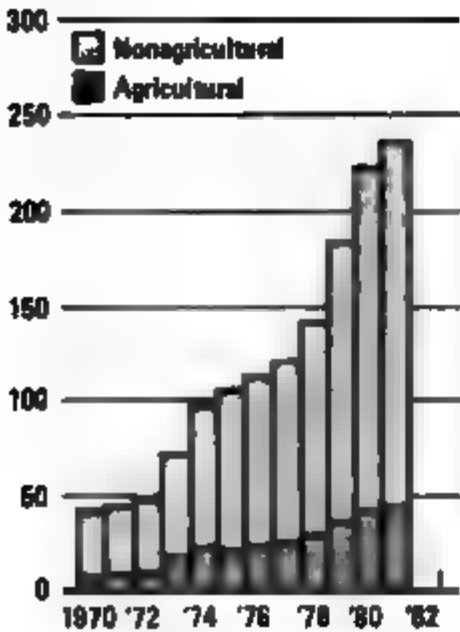
Industrial Production
Index (1967 = 100)



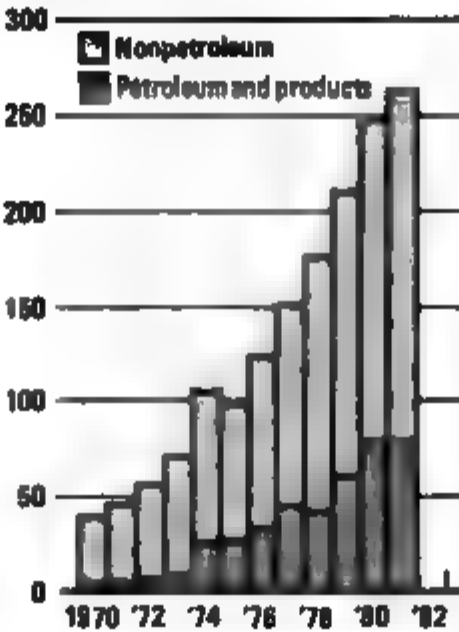
Retail Sales
Annual percent change



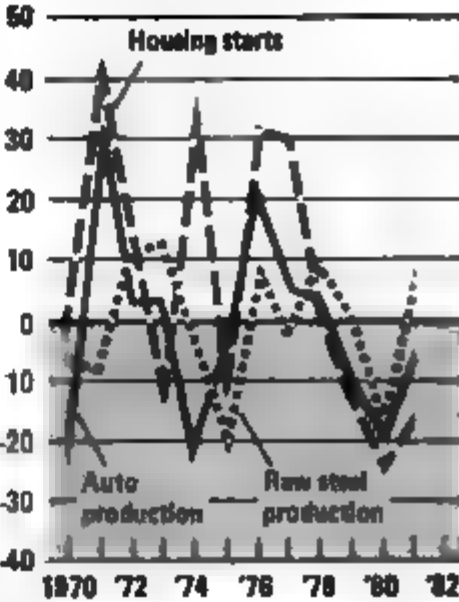
Exports
\$ Billions



Imports
\$ Billions



Auto and Steel Production
and Housing Starts
Annual percent change



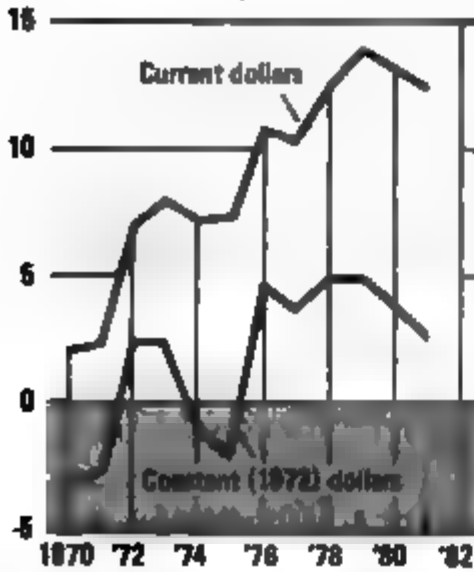
Subject	Unit of measure	1960	1970	1975	1980	1981	Average annual percent change		
							1960 -70	1970 -75	1975 -81
New business incorporations	1,000	183	284	328	534	582	3.7	4.3	10.1
Business failure rate per 10,000 concerns . .	Rate	57	44	43	42	61	-2.6	-.5	6.0
Business new capital expenditures	\$Bil.	48.6	105.6	167.7	295.6	321.5	8.1	8.4	12.6
Net business formation	1967=100	94.5	107.1	106.8	121.1	113.4	1.3	.3	.7
Industrial production index	1967=100	66.2	107.8	117.8	147.0	151.8	5.0	1.8	4.2
Relation of output to capacity (manu.)	Percent	80	79	73	79	78	(NS)	(NS)	(NS)
Manu. and trade sales avg. monthly	\$Bil.	61	107	182	322	351	6.8	11.2	11.6
Retail trade sales, current dollars	\$Bil.	219.5	368.4	588.1	951.9	1,038.8	5.3	9.8	18.0
Constant (1972) dollars	\$Bil.	(NA)	390.4	459.6	521.3	527.9	(NA)	3.3	2.3
Domestic exports, total	\$Bil.	20.4	42.6	106.8	216.7	229.8	7.8	28.1	13.6
Agricultural	\$Bil.	4.8	7.3	21.9	41.2	43.3	4.3	24.7	12.1
General imports, total	\$Bil.	15.1	40.0	96.6	244.9	261.3	18.2	19.7	18.1
Petroleum and products	\$Bil.	1.6	2.8	24.8	77.6	75.6	6.0	55.1	20.4
Automobile production	Mil. units	(NA)	7.1	7.0	6.6	6.2	(NA)	-.3	-2.0
Raw steel production	Mil. sh. tons	99.3	131.5	116.6	111.6	120.8	2.9	-2.4	.6
Housing starts	Mil. units	1.3	1.5	1.2	1.3	1.1	1.3	-4.4	-1.8

NA Not available. NS Not significant.

Science, Communications & Transportation

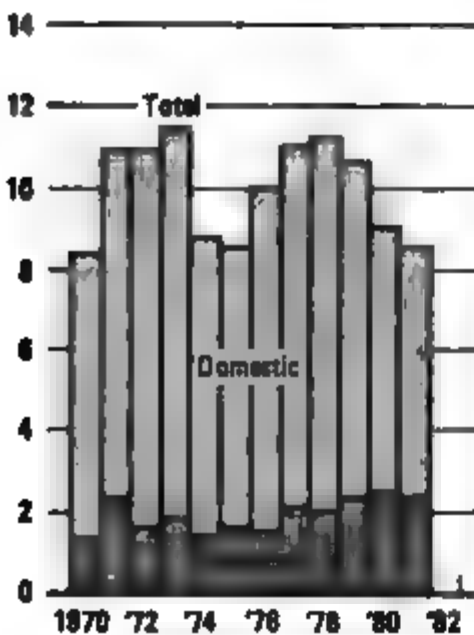
Research and Development Outlays

Annual percent change



New Auto Sales

Million units



Media

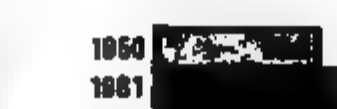
Percent of households with TV sets



Cable TV (MIL. subscribers)



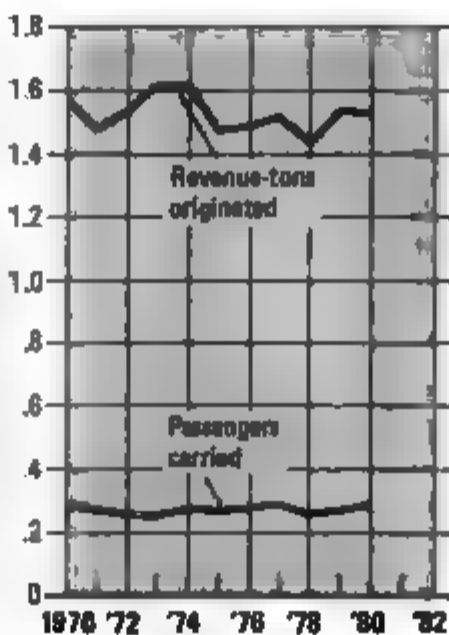
Newspapers* (Millions)



*Daily circulation

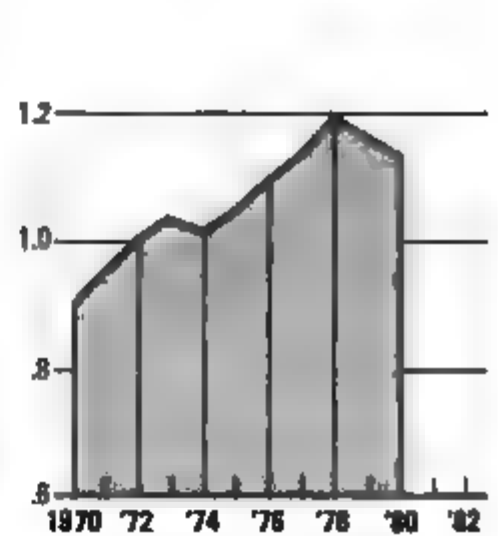
Railroads

Billions



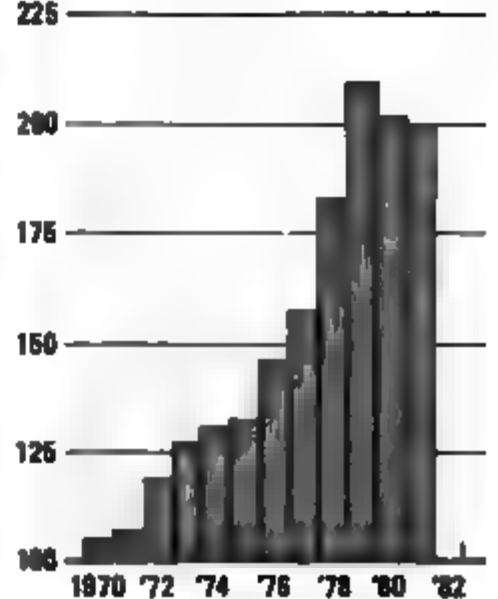
Passenger Cars — Vehicle Miles Traveled

Billions of miles



Air Carriers — Revenue Passenger-Miles Flown

Billions of passenger-miles

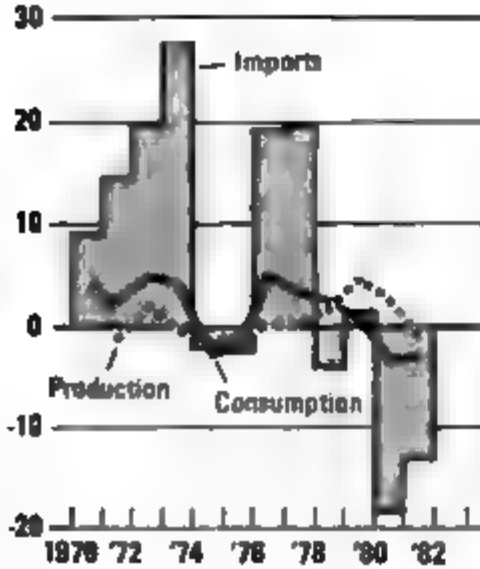


Subject	Unit of measure	1960	1970	1975	1980	1981	Average annual percent change		
							1960-70	1970-75	1975-81
R and D outlays: Current dollars	\$BL	13.6	26.1	35.2	62.2	69.8	6.8	6.1	12.1
Constant (1972) dollars	\$BL	19.6	28.6	28.2	35.1	36.1	3.8	-3	4.2
Percent of GNP	Percent	2.7	2.6	2.3	2.4	2.4	(NS)	(NS)	(NS)
Daily newspaper circulation	Millions	98.9	92.1	80.7	62.2	61.4	.5	-5	.2
Households with TV sets	Millions	46.8	58.6	68.6	78.3	78.9	2.6	3.2	2.6
Cable TV subscribers	Millions	.7	4.5	9.8	16.0	18.3	20.6	16.8	11.8
Passenger cars: Registrations ¹	Millions	61.7	88.2	106.7	121.6	124.3	3.8	3.7	2.6
Vehicle miles traveled	Billions	688	901	1,061	1,130	(NA)	4.4	3.1	² 1.5
Fuel consumed, avg. per vehicle	Gallons	777	830	799	711	(NA)	.7	-1.0	² -2.1
New automobile retail sales	Millions	6.8	6.4	8.8	9.9	8.5	2.4	.6	-2
Domestic sales	Millions	6.1	7.1	7.1	6.8	6.2	1.6	-2	-2.1
Import sales	Millions	.6	1.3	1.6	2.4	2.3	9.9	4.3	6.6
Railroads: Passengers carried	Millions	327	289	276	281	(NA)	-1.2	-1.4	² .8
Revenue-tonnage originated	Millions	1,391	1,572	1,479	1,536	(NA)	1.9	-1.3	² .9
Air carriers: Revenue-passenger miles flown	Billions	30.8	104.1	131.7	200.8	198.6	13.8	4.8	² 1.1
Avg. passenger-mile rate	Cents	6.1	6.0	7.1	11.3	12.1	-2	2.1	² 6.2

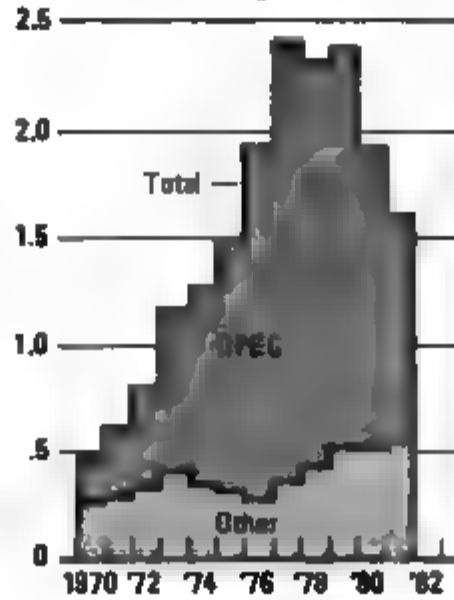
— Represents zero. NA Not available. NS Not significant. ¹ Includes taxis. ² Change, 1976-80.

Energy and Agriculture

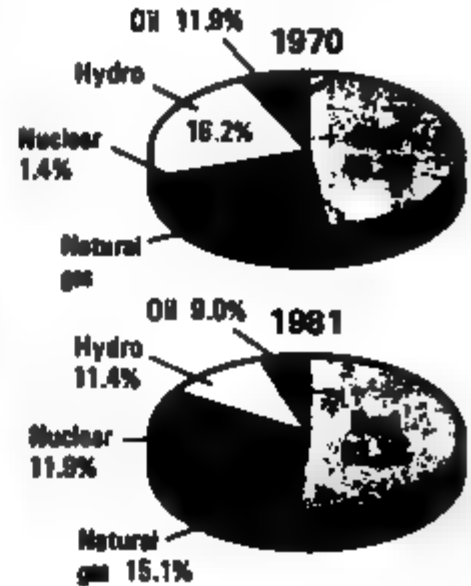
Energy Production, Consumption, and Imports
Annual percent change



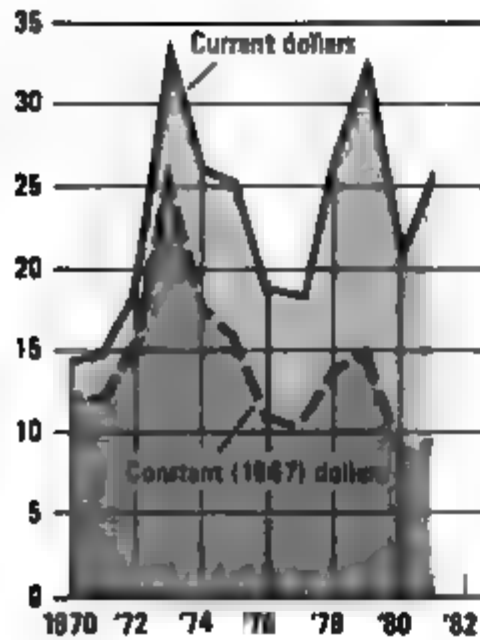
Crude Oil Imports into the U.S.
Billions of barrels (42 gal.)



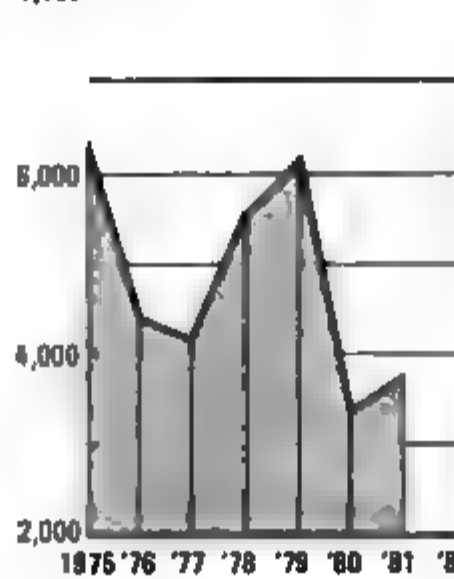
Electric Energy Production, by Source of Energy



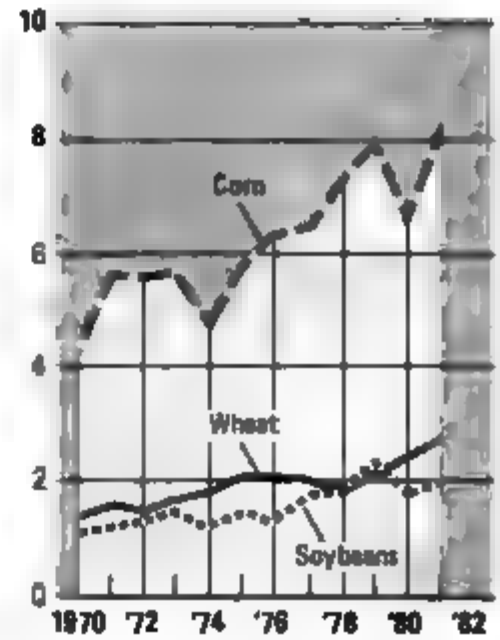
Net Farm Income
\$ Billions



Net Income from Farming per Farm
In Constant (1967) Dollars
\$,000



Crop Production
Billion bushels



Subject	Unit of measure	1960	1970	1975	1980	1981	Average annual percent change		
							1960-70	1970-75	1975-81
Energy consumption	Quad. Btu	44.1	66.8	70.7	75.9	73.8	4.2	1.1	.7
Energy production	Quad. Btu	41.8	62.5	60.1	65.5	65.1	4.1	-.6	1.3
Energy imports	Quad. Btu	4.2	8.4	14.1	16.0	13.8	7.2	19.9	-2
Fossil fuel prices per mil. Btu's	Dollars	.26	.32	.82	2.00	2.70	1.2	29.7	22.0
Crude oil production	Mil. bbl.	2,575	3,517	3,957	3,148	3,125	3.2	-2.8	.4
Imports	Mil. bbl.	372	483	1,488	1,826	1,685	2.7	25.4	1.2
Electric utility production	Bil. kWh.	842	1,648	2,003	2,286	2,295	8.9	4.1	2.3
Nuclear	Bil. kWh.	1	22	173	251	273	38.2	51.1	7.9
Farms, number ¹	Millions	4.0	2.9	2.5	2.4	2.4	-2.9	(x)	-.8
Land in farms (acres) ²	Millions	1,178	1,182	1,059	1,042	1,042	-.6	(x)	-.3
Net farm income: Current dollars	\$Bil.	11.5	14.2	25.2	29.1	25.1	2.1	12.1	-.1
Constant (1967) dollars	\$Bil.	13.9	12.2	15.7	8.2	9.2	-.6	5.1	-8.5
Corn production	Bil. bu.	3.9	4.2	5.8	6.8	6.2	.6	7.1	5.8
Wheat production	Bil. bu.	1.4	1.4	2.1	2.4	2.8	(-2)	9.5	4.6
Soybean production	Bil. bu.	.8	1.1	1.5	1.8	2.0	7.3	6.6	4.6
Meat production	Bil. lb.	28.2	36.2	38.8	39.0	39.9	2.5	.3	1.0

X Not applicable. Z Less than .05 percent. ¹ 1960 and 1970 based on 1959 census definition, 1975-81 based on 1974 definition.

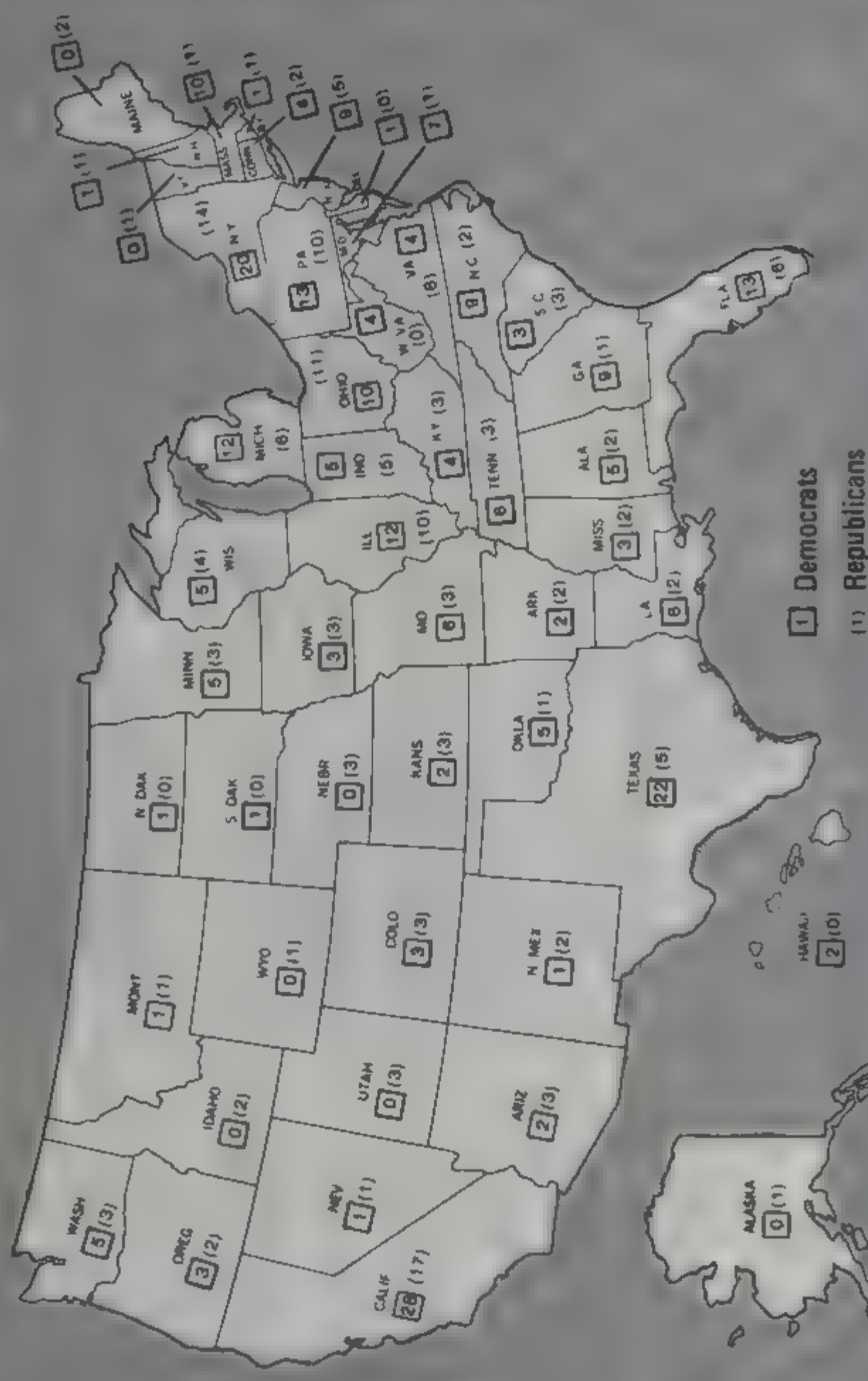
This special feature of the 1982 edition of the Statistical Abstract presents unofficial results from the elections held on November 2, 1982 as compiled by the Congressional Quarterly, Inc., Washington, D.C. These figures were available too late to be included in the regular tables shown in Section 16, Elections, of this Abstract.

TABLE A. COMPOSITION OF CONGRESS, BY POLITICAL PARTY—STATES: 1981 AND 1983
[For data for prior years, see table 791]

STATE	REPRESENTATIVES						SENATORS			
	97th Congress, ¹ 1981			98th Congress, ^{2,3} 1983			97th Congress, ^{1,4} 1981		98th Congress, ² 1983	
	Total	Demo- crats	Republi- cans	Total	Demo- crats	Republi- cans	Demo- crats	Republi- cans	Demo- crats	Republi- cans
Total	436	243	192	436	269	166	46	53	46	54
Alabama	7	4	3	7	5	2	1	1	1	1
Alaska	1	-	1	1	-	1	-	2	-	2
Arizona	4	2	2	5	2	3	1	1	1	1
Arkansas	4	2	2	4	2	2	2	-	2	-
California	43	22	21	45	26	17	1	1	1	1
Colorado	5	3	2	6	3	3	1	1	1	1
Connecticut	6	4	2	6	4	2	1	1	1	1
Delaware	1	-	1	1	1	-	1	1	1	1
Florida	15	11	4	19	13	6	1	1	1	1
Georgia	10	9	1	10	9	1	1	1	1	1
Hawaii	2	2	-	2	2	-	2	-	2	-
Idaho	2	-	2	2	-	2	-	2	-	2
Illinois	24	10	14	22	12	10	1	1	1	1
Indiana	11	6	5	10	5	5	-	2	-	2
Iowa	6	3	3	6	3	3	-	2	-	2
Kansas	5	1	4	5	2	3	-	2	-	2
Kentucky	7	4	3	7	4	3	2	-	2	-
Louisiana	8	6	2	8	6	2	2	-	2	-
Maine	2	-	2	2	-	2	1	1	1	1
Maryland	8	7	1	8	7	1	1	1	1	1
Massachusetts	12	10	2	11	10	1	2	-	2	-
Michigan	19	12	7	18	12	6	2	-	2	-
Minnesota	8	3	5	8	5	3	-	2	-	2
Mississippi	5	4	1	5	3	2	1	1	1	1
Missouri	10	6	4	9	6	3	1	1	1	1
Montana	2	1	1	2	1	1	2	-	2	-
Nebraska	3	-	3	3	-	3	2	-	2	-
Nevada	1	1	-	2	1	1	1	1	-	2
New Hampshire	2	1	1	2	1	1	-	2	-	2
New Jersey	15	8	7	14	9	5	2	-	2	-
New Mexico	2	-	2	3	1	2	-	2	1	1
New York	39	22	17	34	20	14	1	1	1	1
North Carolina	11	7	4	11	9	2	-	2	-	2
North Dakota	1	1	-	1	1	-	1	1	1	1
Ohio	23	10	13	21	10	11	2	-	2	-
Oklahoma	6	5	1	6	5	1	1	1	1	1
Oregon	4	3	1	5	3	2	-	2	-	2
Pennsylvania	25	12	13	23	13	10	-	2	-	2
Rhode Island	2	1	1	2	1	1	1	1	1	1
South Carolina	6	2	4	6	3	3	1	1	1	1
South Dakota	2	1	1	1	1	-	-	2	-	2
Tennessee	8	5	3	9	6	3	1	1	1	1
Texas	24	19	5	27	22	5	1	1	1	1
Utah	2	-	2	3	-	3	-	2	-	2
Vermont	1	-	1	1	-	1	1	1	1	1
Virginia	10	1	9	10	4	6	-	1	-	2
Washington	7	5	2	8	5	3	1	1	1	1
West Virginia	4	2	2	4	4	-	2	-	2	-
Wisconsin	9	5	4	9	5	4	1	1	1	1
Wyoming	1	-	1	1	-	1	-	2	-	2

- Represents zero. ¹As of beginning of first session. ²Reflects unofficial results of election on November 2, 1982.
³Includes results of elections held November 30, 1982 in Georgia's Fourth and Fifth Congressional Districts. ⁴Virginia had 1 Senator classified Independent.
Source: Congressional Quarterly, Inc., Washington, *Congressional Quarterly Weekly Report*, vol. 40, Nos. 45 and 49, November 6, 1982 and December 4, 1982. (Copyright.)

Figure A The 98th Congress—Number of Representatives by Political Party: 1983



1982 Election Results

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TABLE B. VOTE CAST FOR UNITED STATES SENATORS, BY MAJOR POLITICAL PARTIES—STATES: 1982

[In thousands, except percent. Data are shown only for those States which held elections for U.S. Senator. Figures are unofficial. For data for prior years, see table 784]

STATE	Total ¹	Demo- cratic	Republi- can	Per- cent for lead- ing party	STATE	Total ¹	Demo- cratic	Republi- can	Per- cent for lead- ing party
Arizona.....	707	414	293	58.6	Nevada.....	240	115	120	50.1
California.....	7,364	3,441	3,923	53.3	New Jersey.....	2,158	1,115	1,043	51.7
Connecticut.....	1,061	493	539	50.8	New Mexico.....	403	217	186	53.9
Delaware.....	189	84	105	55.7	New York.....	4,808	3,141	1,665	65.4
Florida.....	2,605	1,610	995	61.8	North Dakota.....	237	154	83	64.8
Hawaii.....	297	245	52	82.5	Ohio.....	3,363	1,935	1,393	57.5
Indiana.....	1,787	819	968	54.1	Pennsylvania.....	3,520	1,394	2,126	60.4
Maine.....	458	279	180	60.8	Rhode Island.....	330	161	169	51.3
Maryland.....	1,104	691	413	62.6	Tennessee.....	1,258	778	480	61.8
Massachusetts.....	2,033	1,249	784	61.4	Texas.....	3,022	1,785	1,237	59.1
Michigan.....	2,935	1,713	1,222	58.4	Utah.....	531	219	310	58.3
Minnesota.....	1,698	794	904	53.2	Vermont.....	169	80	85	50.4
Mississippi.....	627	401	227	63.9	Virginia.....	1,414	690	724	51.2
Missouri.....	1,534	754	780	50.9	Washington.....	1,263	869	306	68.8
Montana.....	302	164	126	54.4	West Virginia.....	553	382	171	69.0
Nebraska.....	535	358	152	66.8	Wisconsin.....	1,539	987	526	64.1
					Wyoming.....	167	72	95	56.7

¹ Includes votes for minor party candidates if figures were available.

Source: Congressional Quarterly, Inc., Washington, D.C. *Congressional Quarterly Weekly Report*, vol. 40, No. 45, November 6, 1982. (Copyright.)

TABLE C. VOTE CAST FOR AND GOVERNOR ELECTED BY STATES: 1982

[In thousands. Data are shown only for those States which held elections for governor. For data for prior years, see table 796]

STATE	Total vote ¹	Demo- cratic	Republi- can	Governor elected	STATE	Total vote ¹	Demo- cratic	Republi- can	Governor elected
Ala.....	1,073	640	433	G. Wallace	Minn.....	1,689	1,002	687	R. Perpich
Alaska.....	169	78	64	B. Sheffield	Nebr.....	542	275	267	B. Kerrey
Ariz.....	729	456	237	B. Babbitt	Nev.....	235	128	100	R. Bryan
Ark.....	793	436	358	B. Clinton	N.H.....	283	133	146	J. Sununu
Calif.....	7,698	3,721	3,774	G. Deukmejian	N.Mex.....	406	215	190	T. Anaya
Colo.....	928	626	302	R. Lamm	N.Y.....	5,125	2,617	2,453	M. Cuomo
Conn.....	1,068	570	498	W. O'Neill	Ohio.....	3,321	1,979	1,303	R. Celeste
Fla.....	2,643	1,712	931	R. Graham	Okla.....	877	546	331	G. Nigh
Ga.....	1,166	731	435	J. Harris	Oreg.....	985	365	620	V. Atiyeh
Hawaii.....	312	141	82	G. Ariyoshi	Pa.....	3,623	1,755	1,868	R. Thornburgh
Idaho.....	326	165	161	J. Evans	R.I.....	314	238	76	J. Garrahy
Ill.....	3,474	1,721	1,753	J. Thompson	S.C.....	667	466	201	R. Riley
Iowa.....	1,029	483	546	T. Branstad	S. Dak.....	277	81	196	W. Janklow
Kans.....	752	466	340	J. Carlin	Tenn.....	1,236	500	737	L. Alexander
Maine.....	453	281	173	J. Brennan	Tex.....	3,096	1,667	1,430	M. White
Md.....	1,117	693	424	H. Hughes	Vt.....	167	74	91	R. Snelling
Mass.....	2,035	1,222	749	M. Dukakis	Wis.....	1,586	896	662	A. Earl
Mich.....	2,995	1,558	1,358	J. Blanchard	Wyo.....	168	106	62	E. Herschler

¹ Includes votes for minor party candidates if figures were available.

Source: Congressional Quarterly, Inc., Washington, D.C., *Congressional Quarterly Weekly Report*, vol. 40, No. 45, November 6, 1982. (Copyright.)

TABLE D. REPRESENTATIVES ELECTED, BY PERCENT OF VOTE CAST FOR WINNER AND MAJOR PARTY—REGIONS AND DIVISIONS: 1982

[For composition of regions and divisions, see inside front cover. Data are based on unofficial figures. Includes results of elections held Nov. 30, 1982 in Georgia's Fourth and Fifth Congressional Districts. For related data, see table 787]

REGION	TOTAL				DEMOCRATS				REPUBLICANS			
	Total	Percentage of vote			Total	Percentage of vote			Total	Percentage of vote		
		Under 55	55-59	60 and over		Under 55	55-59	60 and over		Under 55	55-59	60 and over
Total	436	66	66	269	269	33	33	203	166	35	35	66
Northeast	95	13	17	65	58	6	9	43	37	7	8	22
New England	24	3	7	14	16	1	5	10	8	2	2	4
Middle Atlantic	71	10	10	51	42	5	4	33	29	5	6	18
North Central	113	17	22	74	62	7	9	46	51	10	13	28
East North Central	80	10	12	58	44	4	4	36	36	6	8	22
West North Central	33	7	10	16	18	3	5	10	15	4	5	6
South	142	23	14	105	103	13	6	64	39	10	8	21
South Atlantic	69	15	9	45	50	10	3	37	19	5	6	8
East South Central	28	6	1	21	18	2	-	16	10	4	1	5
West South Central	45	2	4	39	35	1	3	31	10	1	1	6
West	85	15	15	55	46	7	9	30	39	8	6	25
Mountain	24	7	5	12	8	2	2	4	16	5	3	8
Pacific	61	8	10	43	38	5	7	26	23	3	3	17

- Represents zero.
Source: Compiled by U.S. Bureau of the Census from Congressional Quarterly Inc., Washington, D.C., *Congressional Quarterly Weekly Report*, vol 40, Nos. 46 and 49, November 6, 1982 and December 4, 1982. (Copyright).

TABLE E. NUMBER OF WOMEN, BLACKS, AND HISPANICS IN U.S. CONGRESS

[For data for prior years, see table 793]

CONGRESS	WOMEN		BLACKS		HISPANICS	
	House of Representatives	Senate	House of Representatives	Senate	House of Representatives	Senate
97th Congress, 1982 ¹	19	2	17	-	5	-
98th Congress, 1983 ²	21	2	20	-	9	-
Democrats	12	-	20	-	8	-
Republicans	9	2	-	-	1	-

- Represents zero. ¹ As of beginning of second session. ² As of beginning of first session.
Source: Congressional Quarterly, Inc., Washington, D.C., *Congressional Quarterly Weekly Report*, vol. 40, No. 45, November 6, 1982 (copyright).

TABLE F. INCUMBENTS RE-ELECTED AND DEFEATED FOR CONGRESS AND GOVERNORSHIPS: 1982

[For related data, see table 792]

POLITICAL PARTY	Senate	House of Representatives ¹	Governorships	POLITICAL PARTY	Senate	House of Representatives ¹	Governorships
Democrats:				Republicans:			
Incumbents re-elected	18	212	13	Incumbents re-elected	10	142	6
Incumbents defeated	1	3	1	Incumbents defeated	1	26	4

¹ Includes results of elections held Nov. 30, 1982 in the 4th and 5th Congressional Districts in Georgia.
Source: Congressional Quarterly, Inc., Washington, D.C., *Congressional Quarterly Weekly Report*, vol. 40, Nos. 45 and 49, November 6, 1982 and December 4, 1982. (Copyright).

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TABLE G. ELECTIONS TO HOUSE OF REPRESENTATIVES—PERCENT OF VOTE CAST FOR DEMOCRATIC AND REPUBLICAN CANDIDATES BY CONGRESSIONAL DISTRICT: 1982

(In percent. Dem = Democratic; Rep = Republican. AL = At-large district)

STATE AND DISTRICT	Dem.	Rep.	STATE AND DISTRICT	Dem.	Rep.	STATE AND DISTRICT	Dem.	Rep.	STATE AND DISTRICT	Dem.	Rep.
Alabama:			Florida:			Kansas:			Missouri:		
1st	36	62	2d	62	36	5th	32	68	7th	50	50
2d	50	51	3d	64	36				8th	48	52
3d	66	4	4th	67	33	Kentucky:			9th	61	39
4th	(1)	(x)	5th	40	60	1st	(1)	(x)	Montana:		
5th	82	18	6th	61	39	2d	74	26	1st	59	39
6th	54	46	7th	74	26	3d	67	33	2d	44	54
7th	96	(x)	8th	(x)	(1)	4th	46	54	Nebraska:		
Alaska:			9th	49	51	5th	35	65	1st	25	75
AL	29	71	10th	(1)	(x)	6th	42	58	2d	43	57
Arizona:			11th	71	29	7th	79	21	3d	(R)	(1)
1st	32	68	12th	47	53	Louisiana:			Nevada:		
2d	72	28				1st	(x)	(1)	1st	56	42
3d	37	63	13th	37	63	2d	(1)	(x)	2d	43	57
4th	32	68	14th	73	27	3d	(1)	(x)	New Hampshire:		
5th	50	50	15th	43	57	4th	(1)	(x)	1st	55	44
Arkansas:			16th	68	32	5th	(1)	(x)	2d	29	71
1st	66	35	17th	(1)	(x)	6th	(x)	(1)	New Jersey:		
2d	48	54	18th	71	29	7th	(1)	(x)	1st	74	26
3d	34	66	19th	59	41	8th	(1)	(x)	2d	69	31
4th	68	34	Georgia:			Maine:			3d	63	37
California:			1st	65	35	1st	49	51	4th	47	53
1st	51	49	2d	(1)	(x)	2d	34	66	5th	34	66
2d	41	59	3d	71	29	Maryland:			6th	69	31
3d	92	(x)	4th	66	35	1st	69	31	7th	44	56
4th	63	37	5th	81	8	2d	53	47	8th	71	29
5th	59	41	6th	45	55	3d	74	26	9th	54	46
6th	62	48	7th	61	39	4th	39	61	10th	84	16
7th	69	31	8th	(1)	(x)	5th	60	40	11th	65	35
8th	56	44	9th	76	24	6th	74	26	12th	33	67
9th	61	39	10th	(1)	(x)	7th	66	34	13th	40	60
10th	66	35	Hawaii:			8th	71	29	14th	77	23
11th	59	41	1st	60	40	Massachusetts:			New Mexico:		
12th	35	65	2d	65	35	1st	(x)	(1)	1st	47	53
13th	66	34	Idaho:			2d	73	27	2d	42	58
14th	37	63	1st	46	54	3d	(1)	(x)	3d	64	36
15th	65	35	2d	48	52	4th	59	41	New York:		
16th	65	35	Illinois:			5th	65	35	1st	37	63
17th	46	54	1st	87	13	6th	56	44	2d	63	37
18th	61	39	2d	87	13	7th	78	22	3d	51	49
19th	37	63	3d	81	19	8th	75	25	4th	36	64
20th	32	68	4th	46	54	9th	65	35	5th	39	61
21st	25	75	5th	76	24	10th	69	31	6th	65	35
22d	24	76	6th	32	68	11th	(1)	(x)	7th	77	23
23d	60	40	7th	67	33	Michigan:			8th	69	31
24th	66	34	8th	64	36	1st	67	33	9th	73	27
25th	66	34	9th	68	32	2d	33	67	10th	79	21
26th	60	40	10th	41	59	3d	57	43	11th	83	17
27th	82	18	11th	73	27	4th	39	61	12th	91	9
28th	61	39	12th	32	68	5th	47	53	13th	60	40
29th	60	40	13th	30	70	6th	52	48	14th	42	58
30th	54	46	14th	35	65	7th	77	23	15th	45	55
31st	72	28	15th	33	67	8th	91	9	16th	98	2
32d	60	40	16th	43	57	9th	36	64	17th	85	15
33d	33	67	17th	63	37	10th	61	39	18th	99	1
34th	57	43	18th	48	52	11th	39	61	19th	94	6
35th	32	68	19th	48	52	12th	67	33	20th	66	34
36th	54	46	20th	50	50	13th	69	31	21st	25	75
37th	40	60	21st	66	34	14th	65	35	22d	41	59
38th	56	44	22d	66	34	15th	74	26	23d	77	23
39th	27	73	Indiana:			16th	74	26	24th	26	74
40th	27	73	1st	57	43	17th	67	33	25th	42	58
41st	30	70	2d	56	44	Minnesota:			26th	31	69
42d	29	71	3d	59	41	1st	52	48	27th	45	55
43d	32	68	4th	35	65	2d	46	54	28th	57	43
44th	67	33	5th	39	61	3d	27	73	29th	26	74
45th	30	70	6th	35	65	4th	73	27	30th	28	72
Colorado:			7th	36	64	5th	69	31	31st	25	75
1st	62	38	8th	52	48	6th	51	49	32d	91	9
2d	63	37	9th	67	33	7th	50	50	33d	84	16
3d	54	46	10th	67	33	8th	76	24	34th	60	40
4th	30	70	Iowa:			Mississippi:			North Carolina:		
5th	41	59	1st	41	59	1st	71	29	1st	62	38
6th	37	63	2d	41	59	2d	49	51	2d	64	36
Connecticut:			3d	46	54	3d	63	37	3d	64	36
1st	68	32	4th	66	34	4th	93	7	4th	62	38
2d	57	43	5th	59	41	5th	22	78	5th	61	39
3d	50	50	6th	64	36	Missouri:			6th	54	46
4th	43	57	Kansas:			1st	66	34	7th	72	28
5th	59	41	1st	31	69	2d	57	43	8th	56	44
6th	48	52	2d	57	43	3d	78	22	9th	42	58
Delaware:			3d	39	61	4th	56	44	10th	(x)	(1)
AL	53	47	4th	75	25	5th	59	41	11th	50	50
Florida:						6th	45	55			
1st	74	26									

See footnotes at end of table.

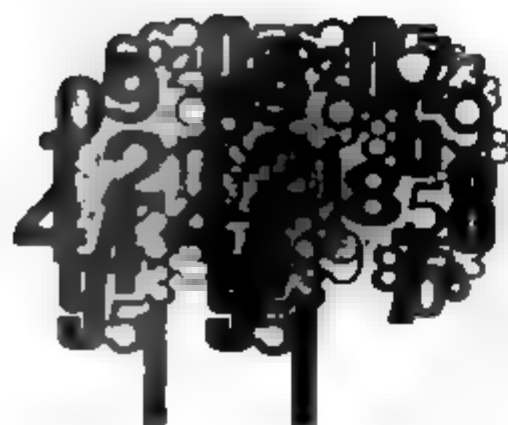
TABLE G. ELECTIONS TO HOUSE OF REPRESENTATIVES—PERCENT OF VOTE CAST FOR DEMOCRATIC AND REPUBLICAN CANDIDATES BY CONGRESSIONAL DISTRICT: 1982

(In percent. Dem = Democratic; Rep = Republican. AL = At-large district)

STATE AND DISTRICT	Dem.	Rep.	STATE AND DISTRICT	Dem.	Rep.	STATE AND DISTRICT	Dem.	Rep.	STATE AND DISTRICT	Dem.	Rep.
North Dakota:			Pennsylvania:			Tennessee:			Virginia:		
AL	72	28	3d	51	49	5th	80	20	1st	45	55
Ohio:			4th	61	39	6th	(¹)	(x)	2d	(x)	(¹)
1st	65	35	5th	33	67	7th	49	51	3d	41	59
2d	35	65	6th	72	28	8th	75	25	4th	54	46
3d	88	(x)	7th	55	45	9th	73	27	5th	(¹)	(x)
4th	35	65	8th	50	49				6th	51	49
5th	45	55	9th	35	65	Texas:			7th	38	62
6th	41	59	10th	33	67	1st	97	(x)	8th	49	50
7th	42	58	11th	54	46	2d	94	(x)	9th	¹ 50	50
8th	34	66	12th	64	36	3d	22	78	10th	47	53
9th	59	40	13th	35	65	4th	73	27			
10th	37	63	14th	79	21	5th	66	34	Washington:		
11th	62	38	15th	42	58	6th	94	(x)	1st	33	67
12th	47	51	16th	29	71	7th	14	86	2d	59	41
13th	63	37	17th	42	58	8th	43	57	3d	62	38
14th	89	11	18th	55	45	9th	72	28	4th	29	71
15th	31	69	19th	29	71	10th	93	(x)	5th	64	36
16th	34	66	20th	77	23	11th	96	(x)	6th	66	34
17th	45	55	21st	50	¹ 50	12th	70	30	7th	71	29
18th	100	(x)	22d	79	21	13th	64	36	8th	43	57
19th	61	39	23d	35	65	14th	61	39			
20th	86	12	Rhode Island:			15th	98	(x)	West Virginia:		
21st	88	14	1st	61	39	16th	55	45	1st	53	47
Oklahoma:			2d	44	56	17th	97	(x)	2d	64	36
1st	55	45	South Carolina:			18th	85	15	3d	58	42
2d	72	28	1st	45	54	19th	82	18	4th	61	39
3d	82	18	2d	41	59	20th	94	(x)			
4th	66	34	3d	90	(x)	21st	25	75	Wisconsin:		
5th	30	70	4th	37	63	22d	(x)	()	1st	61	39
6th	75	25	5th	68	32	23d	55	45	2d	61	39
Oregon:			6th	52	48	24th	74	26	3d	43	57
1st	54	46	South Dakota:			25th	61	39	4th	99	(x)
2d	45	55	AL	52	48	26th	¹ 50	50	5th	64	36
3d	78	22	Tennessee:			27th	65	35	6th	35	65
4th	59	41	1st	23	77				7th	68	32
5th	49	51	2d	(x)	(¹)	Utah:			8th	42	58
Pennsylvania:			3d	63	37	1st	37	63	9th	(x)	(¹)
1st	73	27	4th	66	34	2d	48	54			
2d	77	(x)				3d	23	77	Wyoming:		
						Vermont:			AL	29	71
						AL	24	70			

X Not applicable. ¹ Candidate unopposed. ² Democratic candidate was winner. ³ Write-in candidate. ⁴ Election held Nov. 30, 1982. ⁵ Republican candidate was winner.

Source: Congressional Quarterly, Inc., Washington, D.C., *Congressional Quarterly Weekly Report*, vol. 40, Nos. 45 and 49, November 6, 1982 and December 4, 1982. (copyright.)



Section 1

Population

The section presents statistics on the growth, distribution, and characteristics of the U.S. population. The principal source of these data is the Bureau of the Census, which conducts a decennial census of population, a monthly population survey, a program of population estimates and projections, and a number of other periodic surveys relating to population characteristics. For a list of relevant publications, see the Guide to Sources in Appendix IV.

Decennial censuses.—The U.S. Constitution provides for a census of the population every 10 years, primarily to establish a basis for apportionment of members of the House of Representatives among the States. For over a century after the first census in 1790, the census organization was a temporary one, created only for each decennial census. In 1902, the Bureau of the Census was established as a permanent Federal agency, responsible for enumerating the population and also for compiling statistics on other subjects.

The census of population is a complete count. That is, an attempt is made to account for every person, for each person's residence, and for other characteristics (sex, age, family relationships, etc.) Since the 1940 census, in addition to the complete count information, some data have been obtained from representative samples of the population. In the 1980 census, two sampling rates were employed. For most of the country, one in every six households (about 17 percent) received the long form or sample questionnaire; in areas estimated to have fewer than 2,500 inhabitants, every other household (50 percent) received the sample questionnaire to enhance the reliability of sample data in small areas. Exact agreement is not to be expected between sample data and the complete census count. Sample data may be used with confidence where large numbers are involved and assumed to indicate trends and relationships where small numbers are involved.

Three different census counts for the resident population in 1970 are shown in the tables: 203,211,926; 203,235,298; and 203,302,031. The first is the initial tabulated count, the second is the official count, and the third contains the latest revisions. Breakdowns of the revised count of 203,302,031 are not available for demographic characteristics and may not be available for some levels of geography.

The complete count data from the 1980 census shown in this edition are, where possible, consistent with figures published in the 1980 census final reports, series PC80-1-A (U.S. population: 226,545,805). Where final data have not been prepared, the data are consistent with figures published in the 1980 census advance reports, series PHC80-V, and the 1980 census supplementary reports, series PC80-S1 (U.S. population: 226,504,825).

Sample data from the 1980 census shown in this edition and identified as the Early National Sample have been issued in *1980 Census of Population and Housing, Supplementary Report, PHC80-S1-1*. This report presents provisional data on social, economic, and housing characteristics for the United States as a whole, each State and the District of Columbia, and standard metropolitan statistical areas of one million or more inhabitants. The data in this report are based on a special subsample of the full census sample, representing 8 percent of the sample census questionnaires or approximately 1½ percent of the total national population. Later publications will include estimates for these same characteristics and geographic areas based on the full census sample. Hence, the figures from the Early National Sample are provisional and may differ somewhat from those based on the full sample. When they become available, the data in the final reports should be used in lieu of data from the Early National Sample.

Reassessment of the evaluation studies of the 1970 census indicates a total net underenumeration of about 4.7 million persons, compared with 5.1 million in 1960. Among the persons who were not counted in 1970, about 2.9 million were White and about 1.9 million were Black. The overall rate of net underenumeration in 1970 was about 2.2 percent, compared with 2.7 percent in 1960 and 3.3 percent in 1950. Comparable estimates of net underenumeration for 1980 have not been completely developed. However, preliminary results indicate that overall coverage probably improved in the 1980 census and that the number of Blacks not counted dropped to between 1.3 and 1.5 million. Census data presented here have not been adjusted for underenumeration. See *Estimates of Coverage of Population by Sex, Race, and Age: Demographic Analysis, PHC(E)-4*, February 1974 for a discussion of the 1950, 1960, and original 1970 estimates and Coverage of the Na-

tional Population by Age, Sex, and Race in the 1980 Census: Preliminary Estimates by Demographic Analysis (Current Population Reports, series P-23, No. 115) for the revised 1970 and preliminary 1980 coverage estimates.

Current Population Survey (CPS).—This is a monthly nationwide survey of a scientifically selected sample representing the noninstitutional civilian population. The sample is drawn from about 600 areas comprising approximately 1,100 counties and independent cities with coverage in every State and the District of Columbia and is subject to sampling error. At the present time (1982), about 71,000 housing units or other living quarters are assigned for interview at any time, of which about 60,000 are occupied by households eligible for interview; of these, in turn, about 4 percent are, for various reasons, unavailable for interview.

While the primary purpose of CPS is to obtain monthly statistics on the labor force, it also serves as a vehicle for inquiries on other subjects. Using CPS data, the Bureau issues a series of publications under the general title of Current Population Reports, which cover population characteristics (series P-20), consumer income (series P-60), special studies (series P-23), and other topics.

Estimates of population characteristics based on the 1980 CPS will not agree with the counts from the 1980 census because the CPS and the 1980 census used different procedures for collecting and processing the data for racial groups and the Spanish origin population. Data shown for 1971 to 1979 (and, for education, to 1980) are based on independent estimates derived by updating the 1970 decennial census counts of the civilian noninstitutional population. Starting with data from the March 1981 CPS, the independent estimates are based on population controls for age, race, and sex established by the 1980 decennial census. Two sets of 1980 data on households, families, and income and of 1981 data on education are shown in this edition. One set is based on population estimates derived by updating the 1970 census counts and the other is based on 1980 census population controls. These two sets of data along with data for other years provide a measure of the impact of different population controls on the estimates of population characteristics.

Population estimates and projections.—National population estimates are derived by using decennial census data as benchmarks and data available from various agencies as follows: Births and deaths (National Center for Health Statistics); immigrants (Immigration and Naturalization Service); Armed Forces (Department of Defense); net movement between Puerto Rico and the U.S. mainland (Puerto Rico Planning Board); and Federal employees abroad (Office of Personnel Management and Department of Defense). Estimates for States and smaller areas are based on data series such as births and deaths, school statistics from State departments of education and parochial school systems, labor force data, and Federal income tax returns. Current population estimates and projections for the 1970's and later are consistent with counts shown in 1980 census *Advance Reports*, series PHC80-V.

The estimate of the net migration component shown for intercensal periods for States is a residual value which includes the "error of closure," the unexplained difference between the estimated population at the end of the decade and the census count for that date. The error of closure at the national level was quite small during the 1950's (3,000) and 1960's (379,000). However, for the 1970's it amounts to almost 5 million of the 9 million "net migration." Consequently, the migration estimates for the 1970's should be used with considerable caution.

National population projections indicate the approximate future level and characteristics of the population under given assumptions as to future fertility, mortality, and net immigration. The method used to develop the projections involves preparation of projections of each of the components of population change—births, deaths, and net immigration—and the combination of these with July 1 estimates of the current population. Projections for States incorporate further assumptions about the redistribution of population as a consequence of internal migration.

Population estimates and projections are published in the P-25 and P-26 series of Current Population Reports. These estimates and projections are generally consistent with official decennial census figures and do not reflect the amount of estimated census underenumeration. For details on methodology, see the sources cited below the individual tables.

Standard Metropolitan Statistical Areas (SMSA) and Standard Consolidated Statistical Areas (SCSA).—The general concept of an SMSA is one of a large population nucleus together with adjacent communities which have a high degree of social and economic integration with that nucleus. SCSA's are large metropolitan complexes consisting of groups of closely related adjacent SMSA's. SMSA's and SCSA's are defined by the Office of Management and Budget (OMB). According to the rules for defining SMSA's, the entire territory of the United States is classified as metropolitan (inside SMSA's), or nonmetropolitan (outside SMSA's). SMSA's and SCSA's are defined in terms of entire counties except in New England, where the definitions are in terms of cities and towns. To summarize data for New England that are available only by counties, New England County Metropolitan Areas (NECMA's) have been defined as a convenience for data users. From

time to time, new SMSA's are created and the boundaries of others change. As a result, data for SMSA's over time may not be comparable and the analysis of historical trends must be made cautiously. For descriptive details, tables showing changes in SMSA definitions, and a listing of area titles and components of each SMSA, SCSA, and NECMA, see Appendix II.

Urban and rural.—According to the 1980 census definition, the urban population comprises all persons living in (a) places of 2,500 or more inhabitants incorporated as cities, villages, boroughs (except in Alaska and New York), and towns (except in the New England States, New York, and Wisconsin), but excluding those persons living in the rural portions of extended cities (places with low population density in one or more large parts of their area); (b) census designated places (previously termed unincorporated) of 2,500 or more inhabitants; and (c) other territory, incorporated or unincorporated, included in urbanized areas. An urbanized area consists of a central city or a central core, together with contiguous closely settled territory, that combined have a total population of at least 50,000.

In censuses prior to 1950, the urban population comprised all persons living in incorporated places of 2,500 or more inhabitants and areas (usually minor civil divisions) classified as urban under special rules relating to population size and density. To improve its measure of the urban population, the Bureau of the Census in 1950 adopted the concept of the urbanized area and delineated boundaries for unincorporated places. The 1950 definition has continued substantially unchanged, except for minor modifications in 1960, the introduction of the extended city concept in 1970, and changes in the criteria for defining urbanized areas for 1980 so as to permit such areas to be defined around smaller centers. In all definitions, the population not classified as urban constitutes the rural population.

Residence.—In determining residence, the Bureau of the Census counts each person as an inhabitant of a usual place of residence (i.e., the place where one usually eats and sleeps). While this place is not necessarily a person's legal residence or voting residence, the use of these different bases of classification would produce the same results in the vast majority of cases.

Race.—In the 1980 census, 15 groups were listed in the race item on the 1980 census questionnaire: White, Black, American Indian, Eskimo, Aleut, Chinese, Filipino, Japanese, Asian Indian, Korean, Vietnamese, Hawaiian, Samoan, Guamanian, and Other. The concept of race as used by the Census Bureau does not denote any clear-cut scientific definition of biological stock. Since the 1980 census obtained information on race through self-identification by respondents, the data represent self-classification by people according to the race with which they identify.

In 1980, if persons of mixed racial parentage could not provide a single response to the race question, the race of the person's mother was used; however, if a single response could not be provided for the mother, then the first race reported by the person was used. This is a modification of the 1970 census procedure in which the race of the person's father was used.

The 1980 population totals for "White" and "Other" are not comparable with corresponding figures from the 1970 census and previous censuses. The lack of comparability is due to changes in the way some respondents reported their race as well as changes in 1980 census procedures related to the racial classification. (For a fuller explanation, see *1980 Census of Population*, volume I, General Population Characteristics (PC80-1-B).)

Estimates of the population by race for April 1, 1980 shown in tables 26, 27, and 29 are modified counts and are not comparable to the 1980 census race categories. These estimates were computed using 1980 census data by race which had been modified to be consistent with the race categories used in the reporting of vital statistics by the U.S. National Center for Health Statistics. A detailed explanation of the race modification procedure appears in *Current Population Reports*, series P-25, No. 917.

In the Current Population Survey (CPS) and other household sample surveys in which data are obtained through personal interview, respondents are asked to classify their race as 1) White, 2) Black, 3) American Indian, Aleut, or Eskimo, or 4) Asian or Pacific Islander. The procedures for classifying persons of mixed races who could not provide a single response to the race question are generally similar to those used in the 1980 census. For comments on comparability of 1980 CPS and census data, see section above on Current Population Survey.

Spanish origin.—In the 1980 census, the Bureau of the Census collected data on the Spanish origin population in the United States by using a self-identification question. Persons of Spanish/Hispanic origin or descent are those who classified themselves in one of the specific Spanish origin categories listed on the questionnaire—Mexican, Puerto Rican, Cuban, or Other Spanish/Hispanic origin. The 1980 figures on Spanish origin are not directly comparable with 1970 census data on Spanish origin because of factors such as overall improvements in the 1980 census and improved question design. Also, it should be noted that persons of Spanish origin may be of any race.

In the 1980 and 1981 Current Population Survey (CPS), information on persons of Spanish origin was gathered by using a self-identification question. Persons classified themselves in one of the Spanish origin categories in response to the question: "What is the origin or descent of each person in the household?" Persons of Spanish origin in the CPS were persons who reported themselves as Mexican-American, Chicano, Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish origin.

Ancestry.—Information on ancestry (ethnicity) was collected in the November 1979 Current Population Survey. The ancestry question was open-ended (that is, no prelisted categories were provided) and was worded "What is this person's ancestry?" Persons were asked to report their ancestry group(s) based on self-identification. Ancestry refers to the nationality group, lineage, or the country in which the person or person's parents or ancestors were born before their arrival in the United States. Thus, persons reported their ancestry group(s) regardless of the number of generations removed from their country of origin.

Nativity.—The native population consists of all persons born in the U.S., Puerto Rico, or an outlying area of the U.S. It also includes persons born at sea or in a foreign country who have at least one American parent. All others are classified as "foreign born."

Mobility status.—The U.S. population is classified according to mobility status on the basis of a comparison between the place of residence of each individual at the time of the survey or census and the place of residence at a specified earlier date. Nonmovers are all persons who were living in the same housing unit at the end of the period as at the beginning of the period. Movers are all persons who were living in a different housing unit at the end of the period from that in which they were living at the beginning of the period. Movers from abroad include all persons, either citizens or aliens, whose place of residence was outside the U.S. at the beginning of the period, that is, in Puerto Rico, an outlying area under the jurisdiction of the U.S., or a foreign country.

Living arrangements.—Living arrangements may be in households or in group quarters. A "household" comprises all persons who occupy a "housing unit," that is, a house, an apartment or other group of rooms, or a single room that constitutes "separate living quarters." A household includes the related family members and all the unrelated persons, if any, such as lodgers, foster children, wards, or employees who share the housing unit. A person living alone or a group of unrelated persons sharing the same housing unit as partners is also counted as a household. See text, section 28, Construction and Housing, for definition of "housing unit."

All persons not living in households are classified as living in group quarters. These individuals may be institutionalized, e.g., under care or custody in juvenile facilities, jails, correctional centers, hospitals, or rest homes; or they may be residents in college dormitories, military barracks, rooming houses, etc. (see table 78).

Householder.—Beginning in 1980, the terms "householder" and "family householder" have been used in the presentation of data that had previously been presented with the designations "head of household" and "head of family". The householder is the first adult household member listed on the questionnaire. The instructions call for listing first the person (or one of the persons) in whose name the home is owned or rented. If a home is owned or rented jointly by a married couple, either the husband or the wife may be listed first. Prior to 1980, the husband was always considered the household head (householder) in married-couple households.

Family.—The term "family" refers to a group of two or more persons related by birth, marriage, or adoption and residing together in a household. A family includes among its members the person or couple who maintains the household.

Subfamily.—Subfamilies are divided into "related" and "unrelated" subfamilies. A related subfamily consists of a married couple and their children, if any, or one parent with one or more never married children under 18 years old living in a household and related to the person or couple who maintains the household. Members of a related subfamily are also members of the family with whom they live. The number of related subfamilies, therefore, is not included in the number of families. An unrelated subfamily comprises two or more persons such as guests, lodgers, or resident employees who are related to each other but not to the person or couple who maintains the household in which they live.

Married couple.—A "married couple" is defined as a husband and wife living together in the same household, with or without children and other relatives.

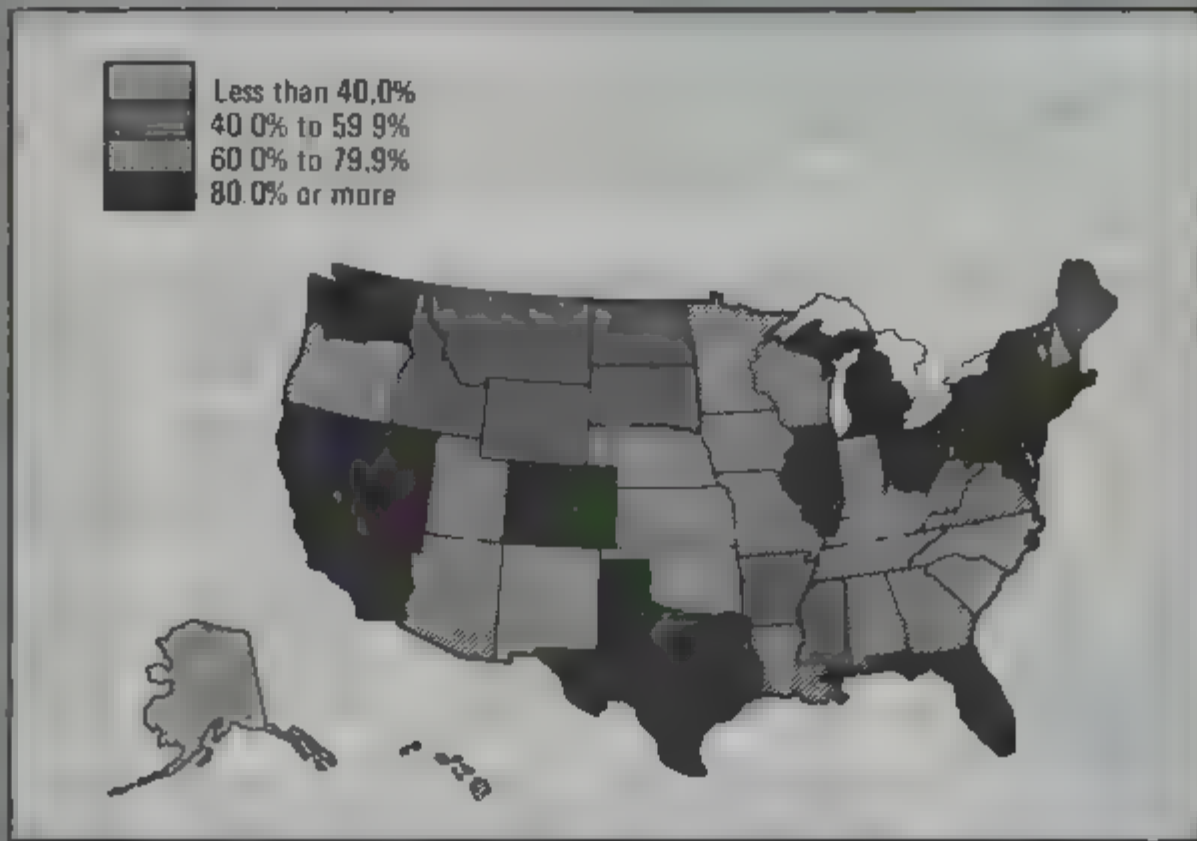
Unrelated individuals.—"Unrelated individuals" refers to persons (other than inmates of institutions) who are not living with any relatives. An unrelated individual may be a nonfamily householder who lives alone or with nonrelatives only or a secondary individual such as a guest, lodger, or resident employee who is not related to any other persons in the household. Persons in group quarters, except inmates of institutions, are classified as secondary individuals.

Average annual change.—In this section, average annual percent change is computed by the exponential or continuous-compounding method; see Guide to Tabular Presentation.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

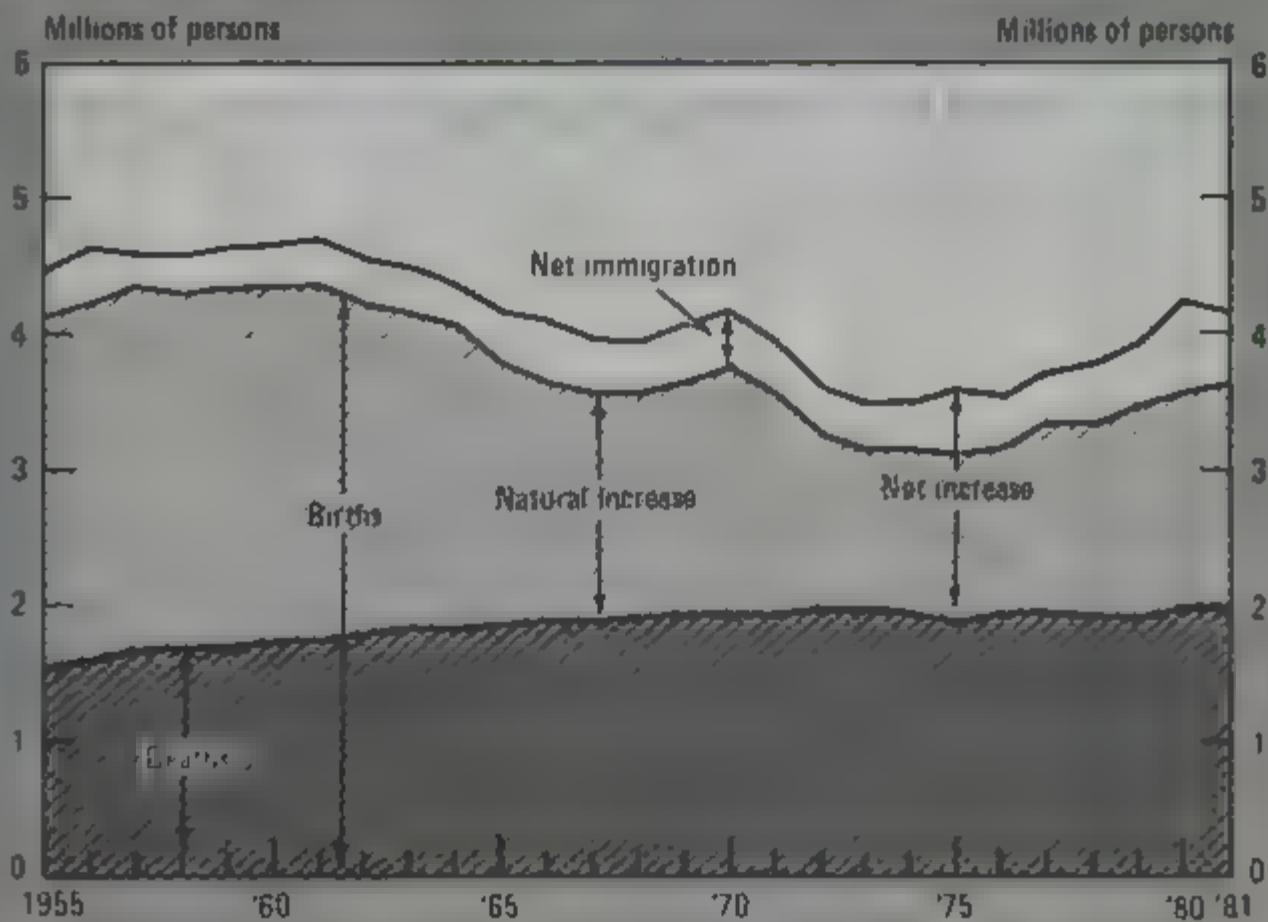
Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

Figure 1.1

Metropolitan Area Population as Percent of Total State Population: 1980

Source. Chart prepared by U. S. Bureau of the Census. For data, see table 19.

Figure 1.2

Components of Population Change: 1955 to 1981

Source. Chart prepared by U.S. Bureau of the Census. For data, see table 7.

No. 1. POPULATION AND AREA: 1790 TO 1980

[Area figures represent area on indicated data including in some cases considerable areas not then organized or settled, and not covered by the census. Total area figures for 1790-1970 have been recalculated on the basis of the remeasurement of States and counties for the 1980 census. The land and water area figures for past censuses have not been adjusted and are not strictly comparable with the total area data for comparable dates because the land areas were derived from different base data, and these values are known to have changed with the construction of reservoirs, draining of lakes, etc. Density figures are based on land area measurements as reported in earlier censuses. For additional area data, see tables 5 and 339]

CENSUS DATE	RESIDENT POPULATION				AREA (square miles)		
	Number	Per square mile of land area	Increase over preceding census		Gross	Land	Water
			Number	Percent			
CONTERMINOUS U.S. ¹							
1790 (Aug. 2).....	3,929,214	4.5	(x)	(x)	891,364	864,746	24,065
1800 (Aug. 4).....	5,308,483	6.1	1,379,269	35.1	891,364	864,746	24,065
1810 (Aug. 6).....	7,239,861	4.3	1,931,398	36.4	1,722,685	1,661,828	34,175
1820 (Aug. 7).....	9,638,453	5.5	2,398,572	33.1	1,792,552	1,749,462	38,544
1830 (June 1).....	12,866,020	7.4	3,227,567	33.5	1,792,552	1,749,462	38,544
1840 (June 1).....	17,069,453	9.8	4,203,433	32.7	1,792,552	1,749,462	38,544
1850 (June 1).....	23,191,876	7.9	6,122,423	35.9	2,991,655	2,940,042	52,706
1860 (June 1).....	31,443,321	10.6	8,251,445	35.6	3,021,295	2,969,640	52,747
1870 (June 1).....	² 39,618,449	² 13.4	8,375,126	26.6	3,021,295	2,969,640	52,747
1880 (June 1).....	50,155,783	16.9	10,337,334	26.0	3,021,295	2,969,640	52,747
1890 (June 1).....	62,947,714	21.2	12,791,931	25.5	3,021,295	2,969,640	52,747
1900 (June 1).....	75,994,575	25.6	13,046,861	20.7	3,021,295	2,969,834	52,553
1910 (Apr. 15).....	91,972,266	31.0	15,977,691	21.0	3,021,295	2,969,565	52,822
1920 (Jan. 1).....	105,710,620	35.6	13,738,354	14.9	3,021,295	2,969,451	52,936
1930 (Apr. 1).....	122,775,046	41.2	17,064,426	16.1	3,021,295	2,977,128	45,259
1940 (Apr. 1).....	131,669,275	44.2	8,894,229	7.2	3,021,295	2,977,128	45,259
1950 (Apr. 1).....	150,697,361	50.7	19,028,086	14.5	3,021,295	2,974,726	47,661
1960 (Apr. 1).....	178,464,236	60.1	27,766,875	18.4	3,021,295	2,966,054	54,207
UNITED STATES							
1950 (Apr. 1).....	151,325,798	42.6	19,161,229	14.5	3,618,770	3,552,206	63,005
1960 (Apr. 1).....	179,323,175	50.6	27,997,377	18.5	3,618,770	3,540,911	74,212
1970 (Apr. 1).....	² 203,302,031	² 57.4	23,978,856	13.4	3,618,770	² 3,540,023	² 76,444
1980 (Apr. 1).....	226,545,805	64.0	23,243,774	11.4	3,618,770	3,539,269	79,481

X Not applicable. ¹Excludes Alaska and Hawaii. ²Revised to include adjustments for underenumeration in Southern States; unrevised number is 38,556,371 (13.0 per square mile). ³Figures corrected after 1970 final reports were issued.
Source: U.S. Bureau of the Census, *U.S. Census of Population: 1920 to 1980*, vol. I; and other reports and unpublished data. See also *Areas of the United States, 1940*, and *Area Measurement Reports*, series GE-20, No. 1.

No. 2. POPULATION: 1900 TO 1982

[In millions, except percent. Estimates as of July 1. Prior to 1940, excludes Alaska and Hawaii. Total population includes Armed Forces abroad; civilian population excludes them. See text, p. 2, for basis of estimates. See also *Historical Statistics, Colonial Times to 1970*, series A 6-8]

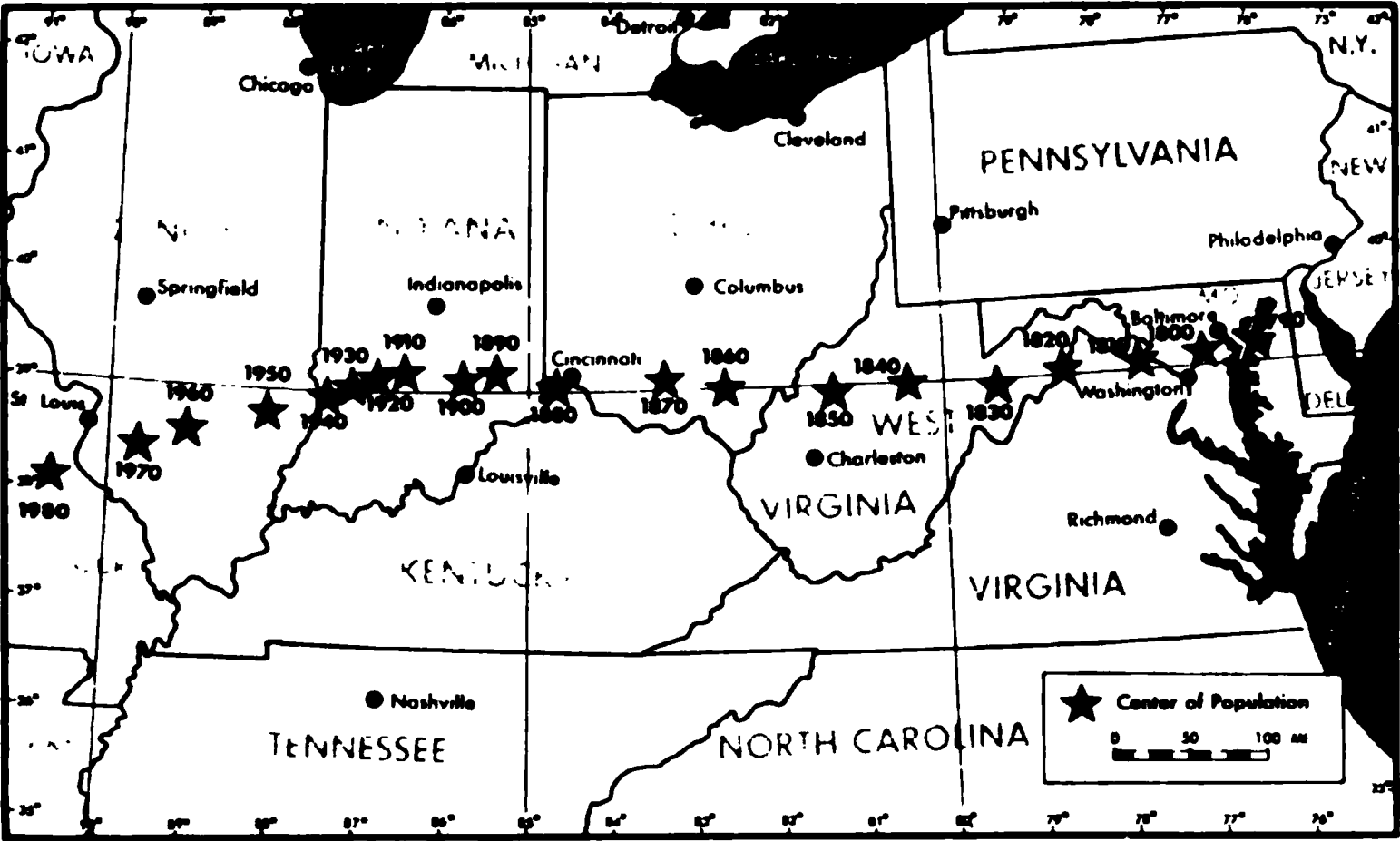
YEAR	Resi- dent popu- lation	YEAR	Resi- dent popu- lation	YEAR	TOTAL		Resi- dent popu- lation	Civi- lian popu- lation	YEAR	TOTAL		Resi- dent popu- lation	Civi- lian popu- lation
					Popu- lation	Per- cent change				Popu- lation	Per- cent change		
1900.....	76.1	1920.....	106.5	1940.....	132.6	1.3	132.5	132.1	1962.....	186.6	1.5	186.8	183.7
1901.....	77.6	1921.....	106.5	1941.....	133.9	1.0	133.7	132.1	1963.....	189.2	1.4	188.5	186.5
1902.....	79.2	1922.....	110.1	1942.....	135.4	1.1	134.6	131.4	1964.....	191.9	1.4	191.1	188.1
1903.....	80.6	1923.....	112.0	1943.....	137.3	1.4	135.1	128.0	1965.....	194.3	1.3	193.5	191.6
1904.....	82.2	1924.....	114.1	1944.....	138.9	1.2	133.9	127.2	1966.....	196.6	1.2	195.6	193.4
1905.....	83.8	1925.....	115.8	1945.....	140.5	1.1	133.4	126.1	1967.....	196.7	1.1	197.5	195.3
1906.....	85.4	1926.....	117.4	1946.....	141.9	1.0	140.7	136.9	1968.....	200.7	1.0	199.4	197.1
1907.....	87.0	1927.....	119.0	1947.....	144.7	1.9	144.1	143.1	1969.....	202.7	1.0	201.4	196.1
1908.....	86.7	1928.....	120.5	1948.....	147.2	1.7	146.7	145.7	1970.....	205.1	1.2	204.0	201.9
1909.....	90.5	1929.....	121.8	1949.....	149.8	1.7	149.3	146.2	1971.....	207.7	1.3	206.8	204.9
1910.....	92.4	1930.....	123.1	1950.....	152.3	1.7	151.9	150.8	1972.....	209.9	1.1	209.3	207.5
1911.....	93.9	1931.....	124.1	1951.....	154.9	1.7	154.0	151.8	1973.....	211.9	1.0	211.4	209.6
1912.....	95.3	1932.....	124.8	1952.....	157.6	1.7	156.4	153.9	1974.....	213.9	.9	213.3	211.6
1913.....	97.2	1933.....	125.6	1953.....	160.2	1.7	159.0	156.6	1975.....	216.0	1.0	215.5	213.8
1914.....	99.1	1934.....	126.4	1954.....	163.0	1.8	161.9	159.7	1976.....	218.0	1.0	217.6	215.9
1915.....	100.5	1935.....	127.3	1955.....	166.9	1.8	165.1	163.0	1977.....	220.2	1.0	219.8	218.1
1916.....	102.0	1936.....	126.1	1956.....	168.9	1.8	166.1	166.1	1978.....	222.8	1.1	222.1	220.5
1917.....	103.3	1937.....	126.8	1957.....	172.0	1.8	171.2	169.1	1979.....	225.1	1.1	224.6	223.0
1918.....	103.2	1938.....	129.8	1958.....	174.9	1.7	174.1	172.2	1980.....	227.7	1.2	227.2	225.6
1919.....	104.5	1939.....	130.9	1959.....	177.8	1.7	177.1	175.3	1981.....	229.8	.9	229.3	227.7
				1960.....	180.7	1.6	180.0	176.1	1982.....	232.0	.9	231.5	229.8

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 602 and 920.

No. 3. CENTER OF POPULATION: 1790 TO 1980

["Center of population" is that point at which an imaginary flat, weightless, and rigid map of the United States would balance if weights of identical value were placed on it so that each weight represented the location of one person on the date of the census]

YEAR ¹	North latitude	West longitude	Approximate location
1790 (Aug. 2).....	39 16 30	76 11 12	23 miles east of Baltimore, Md.
1850 (June 1).....	38 59 0	81 19 0	23 miles southeast of Parkersburg, W. Va.
1900 (June 1).....	39 9 36	85 46 54	6 miles southeast of Columbus, Ind.
1950 (Apr. 1).....	38 50 21	88 9 33	8 miles north-northwest of Olney, Richland County, Ill.
1960 (Apr. 1).....	38 35 58	89 12 35	In Clinton Co. about 6½ miles northwest of Centralia, Ill.
1970 (Apr. 1).....	38 27 47	89 42 22	5.3 miles east-southeast of the Mascoutah City Hall in St. Clair County, Ill.
1980 (Apr. 1).....	38 8 13	90 34 26	¼ mile west of De Soto in Jefferson County, Mo.



¹ For dates of admissions of the States and changes in areal definition, see "State Origins and Boundaries," *United States Summary, U.S. Census of Population: 1960*, vol. I. For year of admission to statehood, see table 338.
Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. I.

No. 4. RESIDENT POPULATION AND POPULATION DENSITY IN COUNTIES WITHIN 50 MILES OF COASTAL SHORELINES: 1940 TO 1960

[As of April 1 and based on census data. Excludes Alaska and Hawaii. Covers 611 counties and independent cities which are entirely or substantially within 50 miles of U.S. coastal shorelines. Great Lakes region includes St. Lawrence River]

YEAR	Conter-minous, U.S., total	COUNTIES IN COASTAL REGIONS					Balance of U.S.
		Total	Atlantic	Pacific	Great Lakes	Gulf of Mexico	
Land area, 1970 (1,000 sq. mi.).....	2,964	468	122	116	134	94	2,496
POPULATION							
1940 (mil.)	131.7	60.5	29.9	7.5	18.9	4.2	71.2
1950 (mil.)	150.7	73.5	34.6	11.5	21.8	5.6	77.2
1960 (mil.)	176.5	92.7	41.7	16.8	26.4	7.8	85.7
1970 (mil.)	202.2	106.5	46.2	21.5	29.3	9.5	93.8
1980 (mil.)	225.2	118.4	50.7	25.4	29.8	12.6	106.7
1940 (percent)	100	46	23	6	14	3	54
1950 (percent)	100	49	23	8	15	4	51
1960 (percent)	100	52	23	9	15	4	46
1970 (percent)	100	54	24	11	15	5	46
1980 (percent)	100	53	23	11	13	6	47
Population per square mile:							
1940	44.4	129.2	244.4	64.1	140.9	44.8	28.5
1950	50.8	157.2	283.3	97.6	162.9	59.8	30.9
1960	60.2	196.3	341.6	142.7	197.3	83.1	34.3
1970	66.2	232.0	394.4	182.5	219.1	101.1	37.6
1980 ¹	76.0	253.3	414.9	215.8	222.4	134.1	42.8

¹ Based on 1970 land area.
Source: U.S. Bureau of the Census, compiled from unpublished data.

No. 5. POPULATION AND AREA—UNITED STATES AND OUTLYING AREAS: 1980 TO 1980

[For area of individual States, see table 338. Minus sign (–) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series A 9-22 and J 1-2]

AREA	RESIDENT POPULATION				Gross area (land and water), 1980 (sq. mi.)
	1980 (April 1)	1970 (April 1)	1960 (April 1)	Percent change, 1970-80	
Total.....	183,285,009	208,088,557	231,108,727	11.1	3,823,462
United States.....	179,323,175	203,302,031	226,545,805	11.4	3,618,770
Puerto Rico ¹	2,349,544	2,712,033	3,198,520	17.9	3,515
Outlying areas.....	² 237,869	³ 314,657	368,856	17.2	1,177
Territories ⁴	⁴ 123,151	⁴ 179,519	235,927	31.4	460
Guam.....	67,044	84,996	105,979	24.7	209
Virgin Islands of the U.S.....	32,099	62,468	96,569	54.6	133
American Samoa.....	20,051	27,159	32,297	18.9	77
Trust Territory of the Pacific Islands ⁵	⁶ 62,434	81,300	⁷ 116,149	42.9	⁸ 533
Northern Mariana Islands ⁹	⁹ 8,290	9,640	16,780	74.1	184
U.S. population abroad ⁹	1,374,421	1,737,836	995,546	(x)	(x)
Federal employees.....	647,730	1,114,224	562,962	– 49.5	(x)
Armed Forces.....	609,720	¹⁰ 1,057,776	¹⁰ 515,408	– 51.3	(x)
Civilians.....	38,010	56,448	¹¹ 47,554	– 15.8	(x)
Dependents of Federal employees.....	506,393	371,386	¹⁰ 432,584	16.5	(x)
Crews of merchant vessels.....	32,464	15,910	(NA)	(x)	(x)
Other citizens.....	¹² 187,834	¹² 236,336	(NA)	(x)	(x)

NA Not available. X Not applicable. ¹ Puerto Rico was ceded to the United States by Spain in 1898. On July 25, 1952, pursuant to acts of Congress, it achieved the political status of the Commonwealth of Puerto Rico. ² Includes population of Canal Zone (1980, 42,122; 1970, 44,196) and, for 1960 only, Corn Islands (1,872), not shown separately. Due to treaty of 1978 with Republic of Panama, U.S. jurisdiction over Canal Zone ended Oct. 1, 1979. Lease of Corn Islands from Republic of Nicaragua was terminated in 1971. ³ Includes Midway, Wake, Canton and Enderbury Islands and Johnston Atoll, not shown separately. See section 32. Area data also include uninhabited areas of Navassa, Baker, Howland, Jarvis and Palmyra. ⁴ Includes population of Swan Islands (1980, 28; 1970, 22), not shown separately. Pursuant to treaty in 1972, jurisdiction of the Swan Islands was transferred to Honduras. ⁵ Administered by United States since July 18, 1947, under United Nations Trusteeship system. ⁶ Census of 1958 conducted by the Office of High Commissioner, Trust Territory of the Pacific Islands. ⁷ Census conducted on September 15, 1960. ⁸ Comprises land area only. ⁹ Excludes U.S. citizens temporarily abroad on private business, travel, etc. Such persons were enumerated at their usual place of residence in the United States as absent members of their own households. ¹⁰ Based partially on tabulations provided by Department of Defense. ¹¹ Based on data supplied by U.S. Office of Personnel Management. ¹² Represents U.S. citizens abroad for extended periods. Since this population was enumerated on a voluntary basis, its coverage is probably less complete than that of other categories of Americans abroad.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1, and *1980 Census of Population*, vol. 1, part A (PC80-1-A).

No 6. PROJECTIONS OF THE TOTAL POPULATION BY SEX, RACE, AND AGE: 1982 TO 2025

[In thousands. As of July 1. Includes Armed Forces overseas. See text, p. 2 for explanation of methodology and assumptions]

SEX, RACE, AND AGE	1983	1983	1984	1985	1986	1986	2000	2025
Total population:								
Lowest projection.....	231,769	233,675	235,544	237,386	245,507	251,550	255,638	259,673
Most likely projection.....	231,997	234,193	236,413	238,648	249,731	259,631	267,990	301,022
Highest projection.....	232,333	234,940	237,620	240,364	254,686	266,834	282,339	356,601
MOST LIKELY PROJECTION								
Male.....	112,924	113,977	115,045	116,124	121,496	126,314	130,379	146,106
Female.....	119,073	120,216	121,368	122,525	128,234	133,317	137,611	154,917
White.....	196,538	200,092	201,661	203,237	210,964	217,587	222,601	240,663
Male.....	98,951	97,702	98,463	99,229	103,010	106,263	108,825	117,297
Female.....	101,587	102,390	103,198	104,008	107,955	111,324	113,976	123,366
Black.....	27,737	28,187	28,645	29,107	31,452	33,693	35,795	45,951
Male.....	13,166	13,382	13,601	13,824	14,957	16,046	17,072	22,029
Female.....	14,570	14,805	15,043	15,283	16,495	17,647	18,724	23,923
Under 5 years old.....	17,370	17,846	18,234	18,462	19,200	18,616	17,624	17,949
5-17 years old.....	45,363	44,668	44,350	44,352	45,123	48,514	49,762	48,403
18-24 years old.....	30,344	30,055	29,476	28,715	25,777	23,684	24,590	25,447
25-44 years old.....	67,614	69,677	71,745	73,779	81,351	82,483	80,105	78,253
45-64 years old.....	44,473	44,521	44,575	44,668	48,481	52,329	60,873	72,334
65 years old and over.....	26,833	27,427	28,035	28,673	31,799	34,006	35,036	56,636
16 years old and over.....	177,031	179,090	181,039	183,054	191,901	199,257	208,222	242,080
18 years old and over.....	169,264	171,680	173,829	175,834	185,409	192,501	200,604	234,671

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 922.

NO. 7. ESTIMATED COMPONENTS OF POPULATION CHANGE: 1940 TO 1981

(For explanation of annual average percent change, see Guide to Tabular Presentation)

YEAR OR PERIOD	TOTAL (Jan. 1-Dec. 31)						RATE PER 1,000 MIDYEAR POPULATION				
	Population at start of period (1,000)	Net increase ¹		Natural increase		Net civilian immigration (1,000)	Net growth rate ¹	Natural increase			Net civilian immigration rate
		Total (1,000)	Percent ²	Births ³ (1,000)	Deaths ⁴ (1,000)			Total	Birth rate ³	Death rate ⁴	
1940	132,054	1,221	.9	2,570	1,432	77	8.2	8.8	18.4	10.8	.6
1945	139,787	1,482	1.1	2,873	1,549	152	10.4	9.4	20.5	11.0	1.2
1950	151,135	2,486	1.7	3,645	1,468	299	16.3	14.3	23.9	9.6	2.0
1955	164,588	2,925	1.8	4,128	1,537	337	17.8	15.6	24.9	9.3	2.0
1960	179,386	2,901	1.6	4,307	1,706	327	16.1	14.4	23.8	9.5	1.8
1965	193,223	2,315	1.2	3,801	1,830	373	11.9	10.1	19.6	9.4	1.9
1970	203,849	2,617	1.3	3,777	1,827	438	12.8	8.8	18.2	9.4	2.1
1975	214,931	2,185	1.0	3,144	1,894	449	10.0	5.8	14.6	8.8	2.1
1976	217,095	2,084	1.0	3,188	1,910	353	8.6	5.6	14.5	8.8	1.8
1977	219,179	2,296	1.0	3,327	1,900	394	10.4	6.5	15.1	8.6	1.8
1978	221,477	2,403	1.1	3,333	1,925	506	10.8	6.3	15.0	8.7	2.3
1979	223,880	2,564	1.1	3,366	1,906	554	11.4	6.9	15.4	8.5	2.2
1980	226,444	2,387	1.1	3,366	1,984	654	10.5	7.0	15.8	8.7	2.9
1981	228,831	2,181	1.0	3,651	1,966	514	9.5	7.2	15.9	8.6	2.2
ANNUAL AVERAGES											
1940-1944	132,054	1,543	1.1	2,872	1,466	114	11.4	10.4	21.2	10.8	.8
1945-1949	139,787	2,274	1.6	3,491	1,484	231	15.7	14.0	24.1	10.1	1.8
1950-1954	151,135	2,690	1.7	3,902	1,500	285	17.1	15.2	24.8	9.5	1.8
1955-1959	164,588	2,980	1.7	4,259	1,614	316	17.2	15.4	24.8	9.4	1.8
1960-1964	179,386	2,787	1.5	4,210	1,757	346	14.9	13.2	22.6	9.4	1.8
1965-1969	193,223	2,125	1.1	3,777	1,886	419	10.7	8.7	18.3	9.5	2.1
1970-1974	203,849	2,126	1.1	3,370	1,946	359	10.6	6.8	16.1	9.3	1.7
1975-1979	214,931	2,303	1.0	3,268	1,906	441	10.4	6.3	14.9	8.7	2.0

¹Includes overseas admissions into, less discharges from, Armed Forces and includes for 1940-1960 "error of closure" (the amount necessary to make the components of change add to the net change between censuses), for which figures are not shown separately. ²Percent of population at beginning of period. ³Adjusted for underregistration prior to April 1, 1970. ⁴Prior to April 1, 1960, adjusted for underregistration of infant deaths.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 802, 910, and unpublished data.

NO. 8. POPULATION, BY SIZE-CLASS OF STATES: 1970 TO 1981

(As of April, except 1981 as of July. Includes District of Columbia. Gross area comprises land and water)

POPULATION SIZE-CLASS	1970			1980					1981		
	Number of States	Population		Number of States	Population		Gross area		Number of States	Population	
		Total (1,000)	Percent of total		Total (1,000)	Percent of total	Total (1,000 sq. mi.)	Percent of total		Total (1,000)	Percent of total
Total.....	51	203,302	100.0	51	226,546	100.0	3,619	100.0	51	228,307	100.0
Over 10 million.....	6	82,980	40.8	6	89,543	39.5	618	17.1	7	100,859	44.0
5 million-10 million.....	6	38,613	19.1	8	54,292	24.0	322	8.9	7	44,606	19.5
3 million-5 million.....	12	48,746	23.0	12	47,854	21.0	577	15.9	12	48,159	21.0
2 million-3 million.....	7	16,743	8.2	7	16,326	6.1	565	15.3	7	18,518	8.1
1 million-2 million.....	8	9,005	4.4	5	7,408	3.3	341	9.4	5	7,507	3.3
Under 1 million.....	14	9,016	4.4	13	9,323	4.1	1,208	33.3	13	8,459	4.1

NO. 9. U.S. RESIDENT POPULATION, BY REGION AND DIVISION: 1950 TO 1981

(As of April 1, except 1975 and 1981 as of July 1. For composition of divisions, see fig. 1, inside front cover)

REGION AND DIVISION	POPULATION (millions)						PERCENT DISTRIBUTION					
	1950	1960	1970	1975	1980	1981	1950	1960	1970	1975	1980	1981
United States	151	179	203	215	227	229	100.0	100.0	100.0	100.0	100.0	100.0
Northeast	39	45	49	49	49	49	26.1	24.9	24.1	22.9	21.7	21.5
New England	9	11	12	12	12	12	6.2	5.9	5.8	5.7	5.5	5.4
Middle Atlantic	30	34	37	37	37	37	19.9	19.1	18.3	17.3	16.2	16.1
North Central	44	52	57	58	59	59	29.4	28.6	27.8	26.8	26.0	25.7
East North Central	30	36	40	41	42	42	20.1	20.2	19.8	19.1	18.4	18.2
West North Central	14	15	16	17	17	17	9.3	8.6	8.0	7.8	7.6	7.5
South	47	55	63	70	75	77	31.2	30.7	30.9	32.3	33.3	33.6
South Atlantic	21	26	31	34	37	38	14.0	14.5	15.1	16.0	16.3	16.5
East South Central	11	12	13	14	15	15	7.6	6.7	6.3	6.4	6.5	6.4
West South Central	15	17	19	21	24	24	9.6	9.5	9.5	9.9	10.5	10.7
West	20	28	35	39	43	44	13.3	15.6	17.1	17.9	19.1	19.1
Mountain	5	7	8	10	11	12	3.4	3.8	4.1	4.6	5.0	5.1
Pacific	15	21	27	29	32	32	10.0	11.8	13.1	13.3	14.0	14.2

Source of tables 8 and 9: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1; *1980 Census of Population*, vol. 1, Chapter A, series PC 80-1-A; *Current Population Reports*, series P-25, No. 911; and unpublished data.

NO. 10. RESIDENT POPULATION, RANK, PERCENT CHANGE.

[As of census date: Jan. 1, for 1920, and Apr. 1 thereafter, except as noted. Insofar as possible, population shown for all composition of regions, see fig. 1, inside front cover. See *Historical Statistics, Colonial Times to 1870*.

DIVISION AND STATE OR OTHER AREA	POPULATION (1,000)									RANK	
	1920	1930	1940	1950	1960	1970	1980			1940	1980
							Total	Male	Female		
U.S.	106,022	123,200	132,185	151,326	179,323	203,302	225,546	110,063	115,483	(x)	(x)
Regions:											
N. East	29,662	34,427	35,977	39,478	44,678	48,061	49,136	23,479	25,656	(x)	(x)
N. Central	34,020	36,594	40,143	44,461	51,619	56,599	58,066	28,614	30,252	(x)	(x)
South	33,126	37,858	41,606	47,197	54,973	62,812	75,372	36,589	38,783	(x)	(x)
West	9,214	12,324	14,379	20,190	28,053	34,839	43,172	21,371	21,801	(x)	(x)
N.E.	7,401	8,186	8,437	9,314	10,509	11,848	12,348	5,924	5,425	(x)	(x)
Maine	768	797	847	914	969	994	1,125	546	578	35	36
N.H.	443	465	492	533	607	738	921	448	472	44	45
Vt.	352	360	359	378	390	445	511	249	262	46	47
Mass.	3,852	4,250	4,317	4,891	5,149	5,689	5,737	2,731	3,006	8	9
R.I.	804	887	713	792	859	990	947	451	496	36	39
Conn.	1,381	1,607	1,709	2,007	2,535	3,032	3,108	1,496	1,610	31	25
M.A.	22,261	26,261	27,536	30,164	34,166	37,213	36,787	17,555	19,222	(x)	(x)
N.Y.	10,385	12,568	13,478	14,830	16,782	18,241	17,558	8,339	9,219	1	1
N.J.	3,156	4,041	4,160	4,835	6,067	7,171	7,395	3,533	3,832	9	8
Pa.	6,720	9,631	9,900	10,496	11,319	11,901	11,664	5,683	5,181	2	3
E.M.C.	21,476	25,297	26,636	30,399	36,226	40,262	41,662	20,242	21,440	(x)	(x)
Ohio	5,759	6,847	6,906	7,947	9,705	10,857	10,786	5,217	5,580	4	5
Ind.	2,930	3,239	3,428	3,934	4,662	5,195	5,490	2,666	2,624	12	11
Ill.	6,485	7,631	7,897	8,712	10,061	11,110	11,427	5,536	5,899	3	4
Mich.	3,688	4,842	5,256	6,372	7,823	8,882	9,282	4,516	4,766	7	7
Wis.	2,632	2,939	3,138	3,435	3,952	4,418	4,706	2,305	2,400	13	15
W.N.C.	12,544	13,297	13,617	14,661	16,394	16,227	17,183	8,372	8,812	(x)	(x)
Minn.	2,367	2,564	2,792	2,962	3,414	3,806	4,076	1,996	2,078	18	18
Iowa	2,404	2,471	2,536	2,621	2,758	2,825	2,914	1,416	1,497	20	24
Mo.	3,404	3,629	3,786	3,955	4,320	4,678	4,917	2,365	2,551	10	13
N. Dak.	647	681	642	620	632	618	653	328	324	38	44
S. Dak.	637	693	643	653	681	666	691	341	350	37	40
Nebr.	1,296	1,378	1,316	1,326	1,411	1,485	1,570	786	804	32	34
Kans.	1,766	1,881	1,801	1,906	2,179	2,246	2,364	1,157	1,207	29	26
S.A.	13,990	15,794	17,823	21,182	25,973	30,678	36,959	17,978	19,061	(x)	(x)
Del.	223	236	267	318	446	548	594	287	308	47	46
Md.	1,450	1,632	1,821	2,343	3,101	3,924	4,217	2,043	2,174	26	21
D.C.	438	487	693	602	764	757	836	295	343	(x)	(x)
Va.	2,309	2,422	2,678	3,319	3,967	4,651	5,347	2,616	2,729	19	14
W. Va.	1,484	1,729	1,902	2,006	1,860	1,744	1,960	945	1,004	25	30
N.C.	2,559	3,170	3,572	4,062	4,556	5,084	5,882	2,865	3,026	11	12
S.C.	1,684	1,739	1,900	2,117	2,383	2,591	3,122	1,518	1,604	26	26
Ga.	2,696	2,909	3,124	3,445	3,943	4,588	5,463	2,640	2,823	14	16
Fla.	968	1,466	1,897	2,771	4,952	6,791	9,746	4,676	5,071	27	10
E.S.C.	8,893	9,887	10,779	11,477	12,050	12,906	14,666	7,091	7,575	(x)	(x)
Ky.	2,417	2,615	2,846	2,945	3,038	3,221	3,661	1,789	1,672	16	22
Tenn.	2,336	2,617	2,916	3,292	3,567	3,926	4,591	2,217	2,375	15	17
Ala.	2,348	2,646	2,833	3,062	3,267	3,444	3,694	1,872	2,022	17	19
Miss.	1,791	2,010	2,164	2,179	2,178	2,217	2,521	1,214	1,307	23	29
W.S.C.	10,242	12,177	13,065	14,636	16,951	19,326	23,747	11,620	12,127	(x)	(x)
Ark.	1,752	1,854	1,949	1,910	1,786	1,923	2,266	1,105	1,162	24	31
La.	1,799	2,102	2,364	2,884	3,257	3,646	4,206	2,040	2,166	21	20
Okla.	2,028	2,396	2,336	2,233	2,329	2,559	3,025	1,477	1,549	22	27
Texas	4,663	5,825	6,415	7,711	9,580	11,199	14,229	6,969	7,230	6	6
Mt.	3,336	3,702	4,150	5,075	6,856	8,266	11,373	5,848	5,724	(x)	(x)
Mont.	549	538	559	591	675	694	767	393	394	39	41
Idaho	432	445	525	589	667	713	844	471	473	42	42
Wyo.	194	226	251	291	330	332	470	241	229	48	48
Colo.	940	1,036	1,123	1,325	1,754	2,210	2,690	1,434	1,456	33	33
N. Mex.	360	423	532	681	951	1,017	1,303	642	661	41	37
Ariz.	334	436	499	750	1,302	1,775	2,718	1,338	1,380	43	35
Utah	449	506	550	689	891	1,059	1,461	725	737	40	38
Nev.	77	91	110	160	265	499	800	405	395	49	49
Pac.	6,878	8,822	10,229	18,116	21,196	26,649	31,900	15,723	16,077	(x)	(x)
Wash.	1,357	1,563	1,736	2,379	2,853	3,413	4,132	2,052	2,080	30	23
Oreg.	783	954	1,090	1,521	1,769	2,092	2,633	1,297	1,337	34	32
Calif.	3,427	5,677	6,907	10,586	15,717	19,971	23,666	11,666	12,001	5	2
Alaska	55	159	173	129	226	303	402	213	189	50	50
Hawaii	256	366	423	500	633	770	965	495	470	45	43
P.R.	1,300	1,544	1,668	2,211	2,360	2,712	3,197	1,557	1,640	(x)	(x)

X Not applicable. Z Less than .05 percent.
*For U.S. population of U.S. has been divided by total land area. For each State and Puerto Rico, population at given census has been divided by land area as then constituted.

AND DENSITY—STATES AND PUERTO RICO: 1920 TO 1980

years is that of present area of State; for area figures of States, see table 338. Minus sign (-) denotes decrease. For series A 172, for population by regions, and A 195-196 for population, sex, and density by States]

RANK		PERCENT CHANGE						POPULATION PER SQ. MILE OF LAND AREA ¹						DIVISION AND STATE OR OTHER AREA
1970	1980	1930-1930	1930-1940	1940-1950	1950-1960	1960-1970	1970-1980	1920	1940	1960	1980	1970	1980	
(0)	(0)	18.2	7.3	14.5	18.5	13.4	11.4	34.7	37.2	42.8	38.5	57.4	53.8	U.S.
(0)	(0)	18.1	4.5	9.7	13.2	9.8	.2	210.3	219.8	241.2	273.4	300.4	301.9	Regions:
(0)	(0)	13.4	4.0	10.8	18.1	9.8	4.0	51.1	53.1	58.8	68.6	75.2	78.3	N. East.
(0)	(0)	14.3	10.1	13.3	18.5	14.3	20.0	43.0	47.4	53.7	62.6	71.9	86.3	N. Cen.
(0)	(0)	33.7	16.7	40.4	38.9	24.2	23.9	7.0	8.2	11.5	18.0	19.9	24.5	South.
(0)	(0)	18.3	3.8	10.4	12.8	12.7	4.2	128.2	133.5	147.5	166.8	188.1	198.0	West.
38	38	3.8	6.2	7.9	5.1	2.6	13.2	25.7	27.3	29.4	31.3	32.1	35.3	N.E.
41	42	5.0	5.6	8.5	13.8	21.8	24.8	51.6	54.5	59.1	67.2	81.7	102.4	Maine.
48	48	2.0	-1	5.2	3.2	14.1	15.0	38.8	38.7	40.7	42.0	47.9	55.2	N.H.
10	11	10.3	1.6	8.7	9.8	10.6	8	537.4	545.9	598.2	657.3	727.0	733.3	Vt.
29	40	13.7	3.8	11.0	8.5	10.6	-3	648.8	674.2	748.5	819.3	902.5	897.8	Mass.
24	25	18.4	6.4	17.4	28.3	19.6	2.5	328.0	348.9	409.7	520.6	623.6	637.8	R.I.
(0)	(0)	18.0	4.9	9.5	13.3	8.9	1.1	281.3	274.0	300.1	340.2	370.8	365.9	Conn.
2	2	21.2	7.1	10.0	13.2	8.7	-3.7	282.6	281.2	309.3	350.6	381.3	370.6	N.A.
8	8	28.1	2.9	18.2	25.5	18.2	2.7	537.3	553.1	642.6	805.5	953.1	986.2	N.Y.
3	4	10.5	2.8	6.0	7.8	4.3	5	213.8	219.8	233.1	251.4	262.3	264.3	N.J.
(0)	(0)	17.8	5.3	14.2	19.2	11.1	3.5	103.2	108.7	124.1	148.2	184.9	170.8	Pa.
8	8	15.4	3.9	15.0	22.1	9.8	1.3	161.6	168.0	193.8	236.6	260.0	263.3	E.N.C.
11	12	10.5	5.8	14.8	18.5	11.4	5.7	89.4	94.7	106.7	128.9	143.9	152.8	Ohio.
5	5	17.7	3.5	10.3	15.7	10.2	2.8	136.4	141.2	155.8	180.4	198.4	205.3	Ind.
7	8	32.0	5.5	21.2	22.8	13.5	4.3	84.9	92.2	111.7	137.7	156.2	162.6	Ill.
18	16	11.7	6.8	9.5	15.1	11.8	6.5	53.7	57.3	62.8	72.6	81.1	86.5	Mich.
(0)	(0)	6.0	1.7	4.0	9.5	8.1	5.2	28.0	26.5	27.5	30.3	32.1	33.8	Wis.
19	21	7.4	8.9	6.8	14.5	11.5	7.1	32.0	34.9	37.3	43.1	48.0	51.2	W.N.C.
25	27	2.8	2.7	3.3	5.2	2.4	3.1	44.1	45.3	46.5	49.2	50.5	52.1	Minn.
13	15	6.8	4.3	4.6	9.2	8.3	5.1	52.4	54.8	57.1	62.6	67.8	71.3	Iowa.
45	46	5.3	5.7	3.5	2.1	-2.2	5.7	9.7	9.2	8.8	9.1	8.9	9.4	Mo.
44	45	8.8	-7.2	1.5	4.3	2.2	3.7	9.1	8.4	8.5	9.0	8.8	9.1	N.Dak.
35	35	6.3	-4.5	7	6.5	5.2	5.7	18.0	17.2	17.3	18.4	19.4	20.5	S.Dak.
28	32	6.3	4.3	5.8	14.3	3.2	5.1	22.9	21.9	23.2	26.6	27.5	28.9	Nebr.
(0)	(0)	12.8	12.9	18.8	22.8	18.1	20.5	58.8	66.4	79.0	87.1	114.8	138.4	Kans.
48	47	6.9	11.8	19.4	40.3	22.9	8.4	120.5	134.7	160.8	225.2	275.5	307.6	S.A.
18	18	12.5	11.8	28.6	32.3	28.5	7.5	185.0	184.2	237.1	313.5	396.6	428.7	Del.
(0)	(0)	11.3	38.2	21.0	4.8	-9	15.6	7.982	10.870	13.151	12.524	12.402	10.132	Md.
14	14	4.8	10.6	23.9	19.5	17.2	14.9	60.7	67.1	83.2	99.6	118.9	134.7	D.C.
34	34	18.1	10.0	5.4	7.2	-8.2	11.8	71.8	79.0	83.3	77.2	72.5	80.8	Va.
12	10	23.8	12.7	13.7	12.2	11.6	15.7	64.5	72.7	82.7	93.2	104.1	120.4	W. Va.
26	24	3.3	9.3	11.4	12.5	8.7	20.5	56.8	62.1	68.9	78.7	85.7	103.4	N.C.
15	13	4	7.4	10.3	14.5	16.4	18.1	49.7	53.4	58.9	67.6	79.0	94.1	S.C.
9	7	51.6	29.2	46.1	78.7	37.1	43.5	27.1	35.0	51.1	91.5	125.5	180.0	Ga.
(0)	(0)	11.2	8.8	6.5	5.0	8.3	14.5	54.8	58.7	63.8	67.8	71.5	82.0	Fla.
23	23	6.2	8.6	3.5	3.2	5.0	13.7	65.2	70.9	73.9	76.2	81.2	92.3	E.S.C.
17	17	11.8	11.4	12.9	8.4	10.1	18.9	62.4	69.5	78.6	86.2	94.9	111.6	Ky.
21	22	12.7	7.1	8.1	6.7	5.4	13.1	51.8	55.5	59.9	64.2	67.8	76.7	Tenn.
29	31	12.2	8.7	-2	(-2)	1.8	13.7	42.4	46.1	48.1	46.0	48.9	53.4	Ala.
(0)	(0)	18.8	7.3	11.3	18.6	14.0	22.8	28.3	30.3	33.8	38.5	46.2	56.8	Miss.
32	33	5.8	5.1	-2.0	6.5	7.7	18.9	35.2	37.0	38.3	34.2	37.0	43.9	W.S.C.
20	19	16.9	12.5	13.5	21.4	11.9	15.4	46.5	52.3	59.4	72.2	81.0	94.5	Ark.
27	26	18.1	-2.5	-4.4	4.3	9.8	18.2	34.6	33.7	32.4	33.8	37.2	44.1	La.
4	3	24.9	10.1	20.2	24.2	16.9	27.1	22.1	24.3	29.3	36.4	42.7	54.3	Okla.
(0)	(0)	11.0	12.1	22.3	36.1	20.8	37.2	4.3	4.8	5.9	8.9	9.7	13.3	Texas.
43	44	-2.1	4.1	5.6	14.2	2.8	13.3	3.7	3.8	4.1	4.6	4.6	5.4	MT.
42	41	3.0	17.9	12.1	13.3	8.9	32.4	5.4	6.3	7.1	8.1	8.6	11.5	Mont.
48	48	16.0	11.2	15.9	13.6	6	41.3	2.3	2.6	3.0	3.4	3.4	4.8	Idaho.
30	28	10.2	8.4	18.0	32.4	28.0	30.8	10.0	10.8	12.8	16.8	21.3	27.9	Wyo.
37	37	17.5	25.6	28.1	39.6	8.9	28.1	3.5	4.4	5.6	7.8	8.4	10.7	Colo.
33	29	30.3	14.6	50.1	73.7	38.3	53.1	3.8	4.4	8.8	11.5	15.8	23.9	N. Mex.
36	36	13.0	8.4	25.2	29.3	18.9	37.9	6.2	6.7	8.4	10.8	12.9	17.8	Ariz.
47	43	17.8	21.1	45.2	78.2	71.6	83.8	.8	1.0	1.5	2.6	4.4	7.3	Utah.
(0)	(0)	46.7	18.7	47.8	48.2	35.2	19.8	9.8	11.4	16.8	23.8	29.7	36.5	Nev.
22	20	15.2	11.1	37.0	19.9	19.8	21.1	23.3	25.9	35.6	42.6	51.2	62.1	Pac.
31	30	21.6	14.2	39.8	18.3	18.3	25.9	9.9	11.3	15.8	18.4	21.7	27.4	Wash.
1	1	85.7	21.7	53.3	48.5	27.1	18.5	38.2	44.1	67.5	100.4	127.6	151.4	Oreg.
50	50	7.7	22.9	77.4	75.8	34.1	32.8	*1	*1	2	4	5	7	Calif.
40	38	43.9	14.6	18.2	28.2	21.8	25.3	57.5	66.0	78.0	98.5	119.6	150.1	Alaska.
(0)	(0)	16.8	21.1	18.3	6.3	15.4	17.9	451.0	546.1	645.8	880.4	792.8		Hawaii.
														P.R.

¹Land area for Alaska corrected after 1970 final reports were issued.

²1930 as of Oct. 1, 1929; 1940 as of Oct. 1, 1939.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1; and *1980 Census of Population Vol. 1, Chapter A (PC80-1-A)*.

No. 11. RESIDENT POPULATION—STATES: 1970 TO 1981

(In thousands. Estimates as of July 1. Includes Armed Forces stationed in area. See p. 2 for basis of estimates. For explanation of methodology, contact source)

DIVISION AND STATE	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
U.S.	203,810	208,284	211,367	212,342	215,466	217,563	219,780	222,006	224,867	227,186	229,307
N.E.	11,871	12,086	12,148	12,157	12,179	12,207	12,287	12,308	12,345	12,367	12,444
Maine	997	1,035	1,046	1,080	1,073	1,090	1,105	1,115	1,125	1,128	1,139
N.H.	742	782	802	817	830	847	872	894	912	923	936
Vt.	446	463	468	473	480	486	492	498	506	512	516
Mass.	5,697	5,782	5,784	5,777	5,782	5,749	5,744	5,743	5,746	5,743	5,773
R.I.	951	976	978	954	946	950	955	957	957	949	953
Conn.	3,037	3,070	3,069	3,076	3,085	3,086	3,099	3,095	3,100	3,114	3,134
M.A.	37,258	37,888	37,416	37,272	37,271	37,206	37,075	36,942	36,880	36,832	36,676
N.Y.	18,259	18,352	18,196	18,073	18,032	17,975	17,862	17,720	17,634	17,575	17,502
N.J.	7,189	7,337	7,335	7,335	7,341	7,344	7,342	7,356	7,373	7,377	7,404
Pa.	11,809	11,905	11,885	11,864	11,896	11,867	11,862	11,885	11,874	11,880	11,671
E.N.C.	40,308	40,824	40,847	41,037	41,106	41,187	41,363	41,508	41,811	41,706	41,868
Ohio	10,668	10,747	10,787	10,786	10,770	10,753	10,771	10,796	10,798	10,800	10,781
Ind.	5,202	5,296	5,329	5,350	5,351	5,372	5,405	5,446	5,475	5,489	5,468
Ill.	11,116	11,256	11,280	11,274	11,306	11,360	11,408	11,434	11,423	11,433	11,482
Mich.	8,895	9,026	9,072	9,109	9,106	9,117	9,157	9,202	9,249	9,255	9,204
Wis.	4,426	4,498	4,518	4,536	4,570	4,585	4,613	4,631	4,666	4,726	4,742
W.N.C.	16,368	16,693	16,628	16,672	16,743	16,864	16,969	17,028	17,097	17,202	17,237
Minn.	3,814	3,867	3,866	3,866	3,869	3,957	3,960	4,006	4,036	4,083	4,094
Iowa	2,829	2,861	2,864	2,866	2,861	2,904	2,914	2,919	2,917	2,913	2,899
Mo.	4,664	4,753	4,775	4,786	4,795	4,824	4,845	4,871	4,889	4,924	4,941
N. Dak.	819	831	832	834	836	836	849	851	852	854	868
S. Dak.	667	677	679	680	681	687	689	689	689	690	688
Nebr.	1,489	1,518	1,529	1,538	1,541	1,549	1,564	1,561	1,561	1,572	1,577
Kans.	2,248	2,256	2,264	2,268	2,279	2,289	2,316	2,333	2,347	2,367	2,383
S.A.	30,816	32,388	33,128	33,546	34,368	34,828	35,341	35,882	36,483	37,142	37,761
Del.	551	574	579	583	589	593	596	598	599	599	598
Md.	3,940	4,081	4,108	4,133	4,157	4,172	4,185	4,212	4,223	4,225	4,263
D.C.	756	744	734	721	710	696	682	670	658	631	631
Va.	4,667	4,828	4,907	4,978	5,056	5,133	5,206	5,284	5,325	5,362	5,430
W. Va.	1,747	1,797	1,805	1,814	1,841	1,877	1,906	1,920	1,939	1,950	1,952
N.C.	5,101	5,296	5,382	5,461	5,535	5,583	5,686	5,739	5,802	5,888	5,963
S.C.	2,800	2,718	2,775	2,843	2,900	2,941	2,989	3,041	3,087	3,127	3,167
Ge.	4,804	4,807	4,907	4,995	5,059	5,126	5,212	5,288	5,391	5,482	5,574
Fla.	6,851	7,520	7,927	8,317	8,542	8,895	9,289	9,132	9,471	9,874	10,163
E.S.C.	12,843	13,272	13,441	13,625	13,810	14,027	14,219	14,386	14,564	14,676	14,723
Ky.	3,231	3,336	3,372	3,417	3,469	3,530	3,575	3,611	3,644	3,682	3,682
Tenn.	3,937	4,066	4,138	4,202	4,261	4,329	4,402	4,462	4,533	4,596	4,612
Ala.	3,450	3,540	3,581	3,628	3,681	3,737	3,783	3,834	3,889	3,895	3,917
Miss.	2,223	2,307	2,350	2,379	2,400	2,430	2,480	2,488	2,508	2,523	2,531
W.S.C.	19,398	20,198	20,560	20,921	21,365	21,847	22,281	22,726	23,286	23,878	24,479
Ark.	1,830	2,018	2,058	2,100	2,158	2,189	2,207	2,241	2,299	2,299	2,299
La.	3,654	3,762	3,789	3,821	3,887	3,952	4,016	4,073	4,139	4,222	4,308
Okla.	2,588	2,657	2,684	2,732	2,772	2,823	2,866	2,913	2,970	3,038	3,100
Tex.	11,244	11,759	12,019	12,268	12,568	12,903	13,192	13,496	13,887	14,321	14,766
Mt.	6,362	6,902	6,926	6,900	6,851	10,196	10,409	10,746	11,123	11,429	11,694
Mont.	697	719	727	737	749	759	771	784	789	788	793
Idaho	717	763	782	808	832	867	893	911	933	947	959
Wyo.	334	347	353	365	380	395	412	431	452	475	492
Colo.	2,228	2,405	2,496	2,541	2,589	2,632	2,686	2,767	2,849	2,903	2,965
N. Mex.	1,023	1,078	1,104	1,130	1,163	1,196	1,225	1,252	1,281	1,306	1,328
Ariz.	1,796	2,009	2,125	2,224	2,289	2,348	2,427	2,518	2,639	2,731	2,794
Utah	1,068	1,136	1,189	1,199	1,234	1,272	1,316	1,364	1,416	1,472	1,518
Nev.	494	547	599	597	620	647	678	719	765	807	845
Pac.	26,820	27,380	27,767	28,212	28,726	29,292	29,874	30,566	31,188	31,927	32,486
Wash.	3,416	3,447	3,477	3,481	3,519	3,591	3,772	3,886	4,013	4,148	4,217
Oreg.	2,101	2,195	2,239	2,281	2,325	2,372	2,439	2,510	2,578	2,638	2,651
Calif.	20,023	20,585	20,896	21,173	21,537	21,935	22,360	22,839	23,255	23,771	24,196
Alaska	306	326	333	344	370	392	396	401	402	403	412
Hawaii	775	826	851	867	884	902	916	929	950	969	981

Source: U.S. Bureau of the Census, Current Population Reports, series P-26, No. 911, and unpublished data.

Components of Population Change

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NO. 12. COMPONENTS OF POPULATION CHANGE—STATES: 1970-1980 AND 1980-1981

(In thousands, except percent. Total resident population. For explanation of methodology, see source. Minus sign (-) denotes decrease or net outmigration. See also *Historical Statistics, Colonial Times to 1970*, series C 25-75)

DIVISION AND STATE	APRIL 1, 1970 TO APRIL 1, 1980					APRIL 1, 1980 TO JULY 1, 1981				
	Net change		Births	Deaths	Net total migration ²	Net change		Births	Deaths	Net total migration ³
	Number	Percent ¹				Number	Percent ¹			
United States	33,303	11.4	33,344	19,279	8,230	2,992	1.3	4,495	2,482	799
New England	901	4.2	1,807	1,136	29	86	.8	198	141	39
Maine	131	13.2	181	107	78	6	7	20	13	1
New Hampshire	163	24.8	122	75	136	15	1.6	17	8	7
Vermont	67	15.0	72	44	36	4	.8	10	6	(2)
Massachusetts	48	.8	737	553	136	36	.6	88	67	16
Rhode Island	2	.3	123	93	-33	6	.6	15	12	2
Connecticut	75	2.5	391	263	-52	26	.8	48	33	11
Middle Atlantic	436	1.1	5,055	3,834	-1,646	88	.3	818	486	-73
New York	-684	-3.8	2,481	1,622	-1,543	44	3	298	215	39
New Jersey	193	2.7	981	674	-114	40	5	120	86	5
Pennsylvania	66	.6	1,593	1,238	269	4	(2)	197	154	-39
East North Central	1,407	3.8	8,464	3,723	-1,324	-14	(-2)	835	468	-391
Ohio	140	1.3	1,676	992	544	17	2	215	126	109
Indiana	295	5.7	865	483	-87	-22	-4	110	59	-73
Illinois	308	2.8	1,790	1,072	-410	43	.4	237	128	89
Michigan	377	4.2	1,441	767	-297	-54	-6	181	94	-141
Wisconsin	268	6.5	682	408	14	36	.8	93	51	-6
West North Central	657	5.2	3,579	1,617	-186	69	.3	382	194	106
Minnesota	271	7.1	595	334	11	17	.4	81	39	25
Iowa	88	3.1	432	286	-56	-15	-5	58	33	40
Missouri	240	5.1	728	505	16	23	5	98	62	13
North Dakota	35	5.6	107	56	17	6	.9	15	7	2
South Dakota	24	3.6	117	66	-26	-5	-7	18	8	-13
Nebraska	85	5.7	246	149	12	7	.4	34	16	9
Kansas	114	5.1	354	221	-19	19	.8	51	27	-4
South Atlantic	6,364	20.4	5,148	3,088	4,204	808	2.2	885	413	638
Delaware	47	6.6	88	49	8	3	5	12	8	-2
Maryland	293	7.5	568	331	56	47	1.1	75	43	15
District of Columbia	119	15.7	109	77	151	-7	-1.1	12	8	-10
Virginia	695	14.9	748	406	353	83	1.6	98	53	39
West Virginia	205	11.8	290	189	113	2	1	38	24	10
North Carolina	790	15.5	863	468	395	79	1.3	106	61	34
South Carolina	528	20.4	498	241	272	46	1.5	86	31	14
Georgia	676	19.1	662	429	443	109	2.0	118	55	49
Florida	2,949	43.4	1,121	689	2,716	443	4.5	165	130	408
East South Central	1,665	14.5	2,301	1,309	843	80	.4	299	168	-72
Kentucky	441	13.7	568	336	208	1	(2)	74	42	31
Tennessee	685	16.9	664	363	394	21	.5	88	51	-14
Alabama	446	12.9	615	348	176	27	.7	80	44	8
Mississippi	304	13.7	454	235	85	10	.4	59	29	19
West South Central	4,417	22.8	3,772	1,848	2,493	727	3.1	556	243	416
Arkansas	362	18.8	349	218	232	10	.4	48	28	-8
Louisiana	559	15.3	717	346	188	104	2.5	103	44	45
Oklahoma	488	18.2	445	274	296	75	2.6	65	35	46
Texas	3,030	27.1	2,261	1,010	1,779	638	3.8	340	135	333
Mountain	3,076	37.1	1,637	722	1,963	236	2.8	291	101	146
Montana	82	13.3	126	67	33	6	.7	18	8	-3
Idaho	231	32.4	166	85	130	15	1.6	26	8	-1
Wyoming	136	41.6	73	31	96	21	4.5	13	4	12
Colorado	679	30.7	415	182	446	76	2.6	62	24	38
New Mexico	283	27.8	224	82	141	26	2.1	33	11	8
Arizona	942	53.1	405	174	712	76	2.8	62	27	41
Utah	402	37.9	329	76	149	57	3.9	52	10	15
Nevada	310	63.5	89	46	257	46	5.7	17	9	37
Pacific	6,349	19.8	4,493	2,305	3,080	888	2.1	674	310	296
Washington	717	21.0	646	305	474	67	2.1	84	40	44
Oregon	541	25.9	351	207	396	16	.7	53	27	8
California	3,897	16.5	3,354	1,734	2,078	527	2.2	502	234	269
Alaska	96	32.4	76	15	36	11	2.8	12	2	2
Hawaii	195	25.3	163	44	76	16	1.6	23	6	-1

¹ Less than .500 or .05 percent.

² 1970 to 1980 based on 1970 population; 1980 to 1981 based on 1980 population.

³ Comprises net immigration from abroad, net interdivisional or interstate migration, movement of persons in the Armed Forces and the "error or closure;" see text p. 2.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 911, and unpublished data.

NO. 13. INTERREGIONAL MIGRATION, BY RACE: 1970 TO 1980

[In thousands. Minus sign (—) denotes net outmigration. For composition of regions, see fig. 1, inside front cover. Based on Current Population Survey, see text, p. 2]

RACE AND MIGRATION STATUS	1970-1975				1975-1980			
	North-east	North Central	South	West	North-east	North Central	South	West
All races:								
Immigrants	1,057	1,731	4,082	2,347	1,105	1,993	4,204	2,838
Outmigrants	2,399	2,925	2,253	1,839	2,592	3,185	2,440	1,945
Net migration	1,342	1,195	1,829	708	1,486	1,173	1,754	893
White:								
Immigrants	920	1,589	3,730	2,155	905	1,793	3,745	2,558
Outmigrants	2,160	2,714	1,939	1,561	2,271	2,900	2,175	1,746
Net migration	-1,240	-1,145	1,791	594	-1,275	-1,107	1,571	812
Black:								
Immigrants	118	150	302	153	99	170	415	183
Outmigrants	162	202	288	51	274	221	220	183
Net migration	-64	-52	14	102	175	-51	195	30

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, Nos. 285 and 368.

NO. 14. MOBILITY STATUS OF THE POPULATION, BY RACE AND SPANISH ORIGIN, AND BY REGION: 1975-1980

[For persons 5 years old and over. Based on Current Population Survey; see source for sampling variability. Includes members of the Armed Forces living off post or with their families on post, but excludes all other members of the Armed Forces. See also text, p. 3. Persons of Spanish origin may be of any race. Refers to 243 standard metropolitan statistical areas (SMSA's) as defined in 1970 census publications; see Appendix II. For composition of regions, see fig. 1, inside front cover]

RESIDENCE IN 1980 COMPARED WITH RESIDENCE IN 1975	Total	White	Black	Spanish origin	North-east	North Central	South	West
NUMBER (1,000)								
Total	202,216	175,165	23,057	11,542	45,429	53,544	85,742	57,891
Same housing units (nonmovers)	107,257	93,526	12,180	4,948	26,214	29,582	33,524	15,937
Central cities of SMSA's	28,480	21,231	8,624	2,279	8,435	7,177	8,020	4,849
Balance of SMSA's	43,386	40,468	2,355	1,727	13,826	12,177	9,850	7,633
Outside SMSA's	35,391	31,827	3,179	943	8,553	10,228	15,653	3,456
Different housing units in the U.S.	91,146	78,970	10,540	5,827	16,368	23,404	31,137	20,218
Within same SMSA	41,619	34,126	6,681	3,645	9,240	11,584	11,301	9,494
Between SMSA's	14,551	12,847	1,365	851	2,710	2,588	4,478	4,775
From outside SMSA's to SMSA's	5,993	5,424	488	233	680	1,504	2,487	1,341
From SMSA's to outside SMSA's	7,337	6,862	353	170	982	1,779	3,249	1,327
Outside SMSA's at both dates	21,847	19,691	1,650	717	2,773	5,850	8,543	3,281
Movers from abroad	3,813	2,890	338	957	829	558	1,061	1,365
PERCENT DISTRIBUTION								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Same housing units (nonmovers)	53.0	53.4	52.8	42.9	62.1	55.2	51.0	42.5
Central cities of SMSA's	14.1	12.1	28.8	19.7	18.6	13.4	12.2	12.9
Balance of SMSA's	21.5	23.1	10.2	15.0	30.7	22.7	14.7	20.4
Outside SMSA's	17.5	18.2	13.8	6.2	12.9	19.1	24.1	9.2
Different housing units in the U.S.	45.1	45.1	45.8	48.7	36.1	43.7	47.4	53.9
Within same SMSA	20.6	19.5	29.0	31.8	20.3	21.6	17.2	25.3
Between SMSA's	7.2	7.3	6.0	7.5	6.0	4.8	6.6	12.7
From outside SMSA's to SMSA's	3.0	3.1	2.0	2.0	1.5	2.8	3.8	3.6
From SMSA's to outside SMSA's	3.6	3.9	1.5	1.5	2.2	3.3	4.9	3.5
Outside SMSA's at both dates	10.7	11.2	7.2	6.2	6.1	11.1	14.7	8.7
Movers from abroad	1.9	1.5	1.5	8.4	1.8	1.0	1.8	3.6

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 368.

NO. 15. METROPOLITAN AND NONMETROPOLITAN AREA POPULATION, CURRENT SMSA DEFINITIONS: 1940 TO 1980

[Metropolitan area definition as of year shown, except as noted; see Appendix II. SMSA—standard metropolitan statistical area. See also text, p. 2. Data are for total resident population. Excludes Puerto Rico]

ITEM	1940 ¹	1950	1960	1970	1980 ²
Metropolitan areas:					
Number of SMSA's	168	189	212	243	318
Population (1,000)	69,535	84,854	112,885	139,419	169,431
Percent change over previous year shown	—	22.0	33.0	23.6	21.5
Percent of total U.S. population	52.8	56.1	63.0	66.6	74.8
Land area, percent of U.S. land area	7.0	7.0	6.7	11.0	16.0
Nonmetropolitan areas, population (1,000)	62,135	68,472	68,438	63,793	57,115

X Not applicable. ¹1950 metropolitan area definition. ²1981 metropolitan area definition. Includes areas newly qualified on basis of 1980 census.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1940; 1950; 1960; 1970; and 1980 Census of Population*, vol. 1, part A.

NO. 16. NUMBER AND POPULATION OF SMSA'S, 1970 AND 1980, AND CHANGE, 1980 TO 1980
[As of April. SMSA = standard metropolitan statistical area. Data exclude Puerto Rico. For definitions, see Appendix II. Minus sign (-) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series A 264-275]

POPULATION-SIZE CLASS OF SMSA'S	243 SMSA's ¹				318 SMSA's ²				
	Num- ber, 1970 ³	Population, 1970			Num- ber, 1980 ³	Popu- lation, 1970 (mil.)	Population, 1980		
		Total (mil.)	Percent in each class	Percent change, 1980-1970			Total (mil.)	Percent in each class	Percent change, 1970-1980
Total SMSA's	243	139.4	100.0	16.6	318	153.7	169.4	100.0	10.2
3,000,000 or more	6	37.7	27.0	11.9	7	39.3	39.1	23.1	-.5
1,000,000-3,000,000	27	42.9	30.8	21.4	31	47.3	53.8	31.7	13.8
500,000-1,000,000	32	21.9	15.7	18.0	41	25.1	28.1	16.6	11.8
250,000-500,000	60	19.8	14.2	16.3	71	21.4	24.6	14.5	14.7
100,000-250,000	92	15.0	10.7	14.5	140	18.5	21.6	12.7	16.4
Less than 100,000	26	2.1	1.5	12.3	28	2.1	2.4	1.4	13.3

¹As defined in 1970 census publications. ²Based on size class in 1970 and 1980, respectively. ³Includes all SMSA's as defined by U.S. Office of Management and Budget, June 30, 1981.

NO. 17. POPULATION BY METROPOLITAN-NONMETROPOLITAN RESIDENCE, 1970 AND 1980, AND BY RACE AND SPANISH ORIGIN, 1980

[In millions, except percent. As of April. Covers 318 SMSA's (standard metropolitan statistical areas) as defined by U.S. Office of Management and Budget, June 30, 1981. See also *Historical Statistics, Colonial Times to 1970*, series A 276-287]

RESIDENCE	1970, ¹ total	1980							
		Total		Race					Spanish origin ²
		Number	Percent change, 1970- 1980	White	Black	American Indian, Eskimo, Aleut	Asian and Pacific Islander	Other	
Total	203.3	226.5	11.4	188.4	26.5	1.4	3.5	6.6	14.6
Inside SMSA's	153.7	169.4	10.2	138.1	21.5	.7	3.2	6.0	12.8
Central cities	67.9	68.0	.2	47.0	15.3	.3	1.6	3.7	7.4
Outside central cities	85.8	101.5	18.2	91.0	6.2	.4	1.6	2.3	5.4
Outside SMSA's	49.6	57.1	15.1	50.3	5.0	.7	.3	.8	1.8
PERCENT DISTRIBUTION									
Total	100.0	100.0	(x)	100.0	100.0	100.0	106.0	100.0	100.0
Inside SMSA's	75.6	74.8	(x)	73.3	81.1	49.0	91.4	88.7	87.6
Central cities	33.4	30.0	(x)	25.0	57.8	21.0	46.3	54.7	50.4
Outside central cities	42.2	44.8	(x)	48.3	23.3	26.1	45.0	34.0	37.3
Outside SMSA's	24.4	25.2	(x)	26.7	18.9	51.0	8.6	11.3	12.4

X Not applicable. ¹Includes revisions made since publication of 1970 census reports. ²Persons of Spanish origin may be of any race.

NO. 18. LAND AREA, POPULATION, AND DENSITY OF URBAN AND RURAL TERRITORY, BY METROPOLITAN AND NONMETROPOLITAN STATUS: 1970 AND 1980

[Areas as defined for the 1970 and 1980 censuses, respectively. Population as of April. Changes in land area between the censuses reflect (a) changes in the extent of urban territory and of standard metropolitan statistical areas (SMSA's) and (b) alterations resulting from remeasurement of land areas, including changes in the extent of inland water area]

RESIDENCE	1970 (243 SMSA's)					1980 (318 SMSA's)				
	Land area		Population			Land area		Population		
	Total (sq. mi.)	Per- cent of U.S.	Total (1,000)	Per- cent of U.S.	Per sq. mi.	Total (sq. mi.)	Per- cent of U.S.	Total (1,000)	Per- cent of U.S.	Per sq. mi.
Total	¹ 3,540,023	100.0	202,212	100.0	57	3,539,299	100.0	226,546	100.0	64
Urban	54,103	1.5	149,325	73.5	2,780	(NA)	(NA)	167,051	73.7	(NA)
In urbanized areas	35,081	1.0	118,447	58.3	3,376	(NA)	(NA)	139,171	61.4	(NA)
Central cities	14,324	0.4	63,922	31.5	4,463	(NA)	(NA)	67,035	29.6	(NA)
Urban fringe	20,757	.6	54,525	26.8	2,627	(NA)	(NA)	72,135	31.8	(NA)
Other urban	19,022	.5	30,878	15.2	1,623	(NA)	(NA)	27,680	12.3	(NA)
Rural	¹ 3,485,920	98.5	53,887	26.5	15	(NA)	(NA)	59,495	28.3	(NA)
Inside SMSA's	¹ 387,594	10.9	139,419	68.6	360	568,148	16.0	169,431	74.8	300
Urban	(NA)	(NA)	123,007	60.5	(NA)	(NA)	(NA)	145,443	64.2	(NA)
Rural	(NA)	(NA)	16,412	8.1	(NA)	(NA)	(NA)	23,988	10.6	(NA)
Outside SMSA's	¹ 3,152,429	89.1	63,793	31.4	20	2,973,142	84.0	57,115	25.2	19
Urban	(NA)	(NA)	26,318	13.0	(NA)	(NA)	(NA)	21,808	9.5	(NA)
Rural	(NA)	(NA)	37,475	18.4	(NA)	(NA)	(NA)	35,507	15.7	(NA)

NA Not available. ¹Revised since publication of 1970 census reports.
Source of tables 16-18: U.S. Bureau of the Census, *Census of Population: 1970*, vol. I, parts A and B; *1980 Census of Population*, vol. I, parts A and B and unpublished data.

NO. 19. METROPOLITAN AND NONMETROPOLITAN AREA POPULATION—STATES: 1960 TO 1980

(As of April. Excludes Armed Forces abroad. Refers to 318 SMSA's as defined in *Standard Metropolitan Statistical Areas, 1975, Revised Edition*, and amendments issued through June 30, 1981, see Appendix II. Minus sign (-) denotes decrease)

DIVISION AND STATE	METROPOLITAN AREA POPULATION							NONMETROPOLITAN AREA POPULATION						
	Total (1,000)			Percent change		Percent of State or division		Total (1,000)			Percent change		Percent of State or division	
	1960	1970	1980	1960- 1970	1970- 1980	1970	1980	1960	1970	1980	1960- 1970	1970- 1980	1970	1980
U.S.	131,318	153,894	188,431	17.0	10.2	75.6	74.8	47,892	48,808	57,115	3.4	15.1	24.4	25.2
N.E.	8,329	9,368	9,461	12.6	1.0	78.1	78.6	2,187	2,479	2,887	13.3	16.5	20.9	23.4
Maine	339	349	371	3.0	6.2	35.2	33.0	630	644	754	2.3	17.0	64.8	67.0
N.H.	296	377	467	27.7	23.8	51.1	50.7	312	361	454	15.7	25.6	48.9	49.3
Vt.	74	98	114	33.0	16.0	22.1	22.3	316	346	397	9.6	14.7	77.9	77.7
Mass.	4,583	4,980	4,892	8.1	- 1.8	87.5	85.3	586	709	845	21.1	19.1	12.5	14.7
R.I.	786	867	873	10.3	7	91.3	92.2	79	83	74	13.1	10.5	8.7	7.6
Conn.	2,265	2,697	2,744	19.1	1.8	88.6	88.3	270	335	363	24.1	8.4	11.1	11.7
M.A.	30,344	33,178	32,280	8.2	- 2.7	89.2	87.8	3,784	4,035	4,806	6.8	11.7	11.1	12.2
N.Y.	15,245	16,614	15,826	9.0	- 4.7	91.1	90.1	1,536	1,627	1,730	5.8	6.3	8.9	9.9
N.J.	5,807	6,756	6,733	16.3	- 3	94.2	91.4	260	415	632	59.8	52.1	5.8	8.6
Pa.	9,333	9,808	9,719	5.1	- 9	83.1	81.9	1,987	1,993	2,145	3	7.6	16.9	18.1
E.N.C.	26,365	31,954	32,558	12.7	1.9	78.4	78.1	7,881	8,306	9,124	5.7	6.8	20.6	21.9
Ohio	7,535	8,704	8,866	11.1	4	81.7	80.3	1,671	1,953	2,131	4.4	9.1	18.3	19.7
Ind.	3,226	3,660	3,632	13.5	- 4.7	70.5	69.6	1,436	1,535	1,656	6.9	8.0	29.5	30.2
Ill.	6,074	9,053	9,251	12.1	2.2	81.5	81.0	2,007	2,057	2,176	2.5	5.8	16.5	19.0
Mich.	6,590	7,519	7,864	14.1	1.9	84.6	82.8	1,233	1,364	1,508	10.6	17.1	15.4	17.2
Wis.	2,540	3,019	3,145	14.4	4.2	68.3	68.8	1,312	1,399	1,561	6.6	11.6	31.7	33.2
W.M.C.	7,582	8,674	9,154	14.7	5.5	83.1	83.3	7,832	7,653	8,029	- 2.3	4.8	46.9	46.7
Minn.	2,052	2,451	2,632	19.5	7.4	84.4	84.5	1,382	1,355	1,444	- 6	6.6	35.6	35.4
Iowa	990	1,105	1,169	11.6	5.8	39.1	41.1	1,767	1,720	1,745	- 2.7	1.4	60.9	58.9
Mo.	2,801	3,155	3,210	12.8	1.8	87.4	85.3	1,519	1,523	1,706	3	12.1	32.6	34.7
N. Dak.	171	196	234	14.7	19.7	31.7	35.9	462	422	416	- 8.6	9	68.3	64.1
S. Dak.	87	95	109	10.0	14.9	14.3	15.8	594	571	581	- 3.9	1.8	85.7	84.2
Nebr.	542	637	683	17.4	8.6	42.9	44.1	869	849	877	- 2.4	3.4	57.1	55.9
Kans.	220	1,035	1,107	12.5	7.0	46.0	46.8	1,259	1,214	1,257	- 3.5	3.6	54.0	53.2
S.A.	17,114	21,851	26,032	25.8	20.8	70.2	70.4	8,845	9,128	10,827	3.2	19.7	29.8	29.8
Del.	307	366	398	25.5	3.2	70.4	87.0	139	162	166	16.9	20.9	29.6	33.0
Md.	2,758	3,544	3,745	28.5	5.7	90.3	88.8	342	380	472	10.9	24.4	9.7	11.2
D.C.	764	757	636	- 1.0	- 15.6	100.0	100.0	-	-	-	(x)	(x)	-	-
Va.	2,617	3,268	3,721	24.6	13.9	70.2	69.6	1,337	1,384	1,626	3.5	17.5	29.8	30.4
W. Va.	704	687	723	- 2.4	5.2	39.4	37.1	1,157	1,057	1,227	- 8.6	16.0	60.8	62.9
N.C.	2,196	2,683	3,096	21.3	16.3	52.4	52.7	2,360	2,421	2,783	2.6	15.0	47.6	47.3
S.C.	1,295	1,504	1,865	16.1	24.0	58.0	59.8	1,087	1,067	1,256	- 1	16.8	42.0	40.2
Ga.	2,130	2,701	3,276	26.9	21.3	58.9	60.0	1,814	1,866	2,167	4.0	15.9	41.1	40.0
Fla.	4,343	6,041	8,568	39.1	41.8	69.0	87.9	609	750	1,179	23.3	57.1	11.0	12.1
E.S.C.	5,968	6,679	7,812	11.9	14.0	62.1	51.9	4,082	4,611	7,066	12.8	15.1	47.8	46.1
Ky.	1,324	1,511	1,626	14.1	7.8	46.9	44.5	1,714	1,710	2,032	2	18.9	53.1	55.5
Tenn.	2,216	2,497	2,884	12.7	15.5	63.6	62.8	1,351	1,429	1,707	5.7	19.4	36.4	37.2
Ala.	1,987	2,129	2,415	7.1	13.5	61.6	62.0	1,280	1,316	1,479	2.8	12.4	36.2	38.0
Miss.	441	543	684	23.0	26.1	24.5	27.1	1,737	1,674	1,836	- 3.6	9.7	75.5	72.8
W.S.C.	10,842	13,239	16,728	21.0	26.3	68.5	70.4	6,009	6,087	7,034	1.3	15.4	31.5	28.8
Ark.	622	724	896	18.0	22.1	38.2	39.2	1,164	1,189	1,380	2.1	16.9	61.6	60.8
La.	1,965	2,262	2,696	14.0	17.9	62.1	63.4	1,272	1,382	1,540	8.6	11.4	37.9	36.8
Okla.	1,232	1,466	1,770	19.1	20.6	57.4	58.5	1,096	1,091	1,255	- 4	15.0	42.6	41.5
Tex.	7,103	8,775	11,390	23.5	29.8	78.4	80.0	2,477	2,424	2,840	- 2.1	17.1	21.6	20.0
Mt.	3,782	5,072	7,173	34.1	41.4	61.2	63.1	3,073	3,217	4,200	4.7	30.5	38.8	38.9
Mont.	152	189	189	11.0	11.6	24.4	24.0	522	526	596	6	13.8	75.6	78.0
Idaho	83	112	173	20.1	54.2	15.7	18.3	574	601	771	4.7	28.3	84.3	81.7
Wyo.	50	51	72	3.3	40.2	15.4	15.3	280	281	396	3	41.5	84.6	84.7
Colo.	1,326	1,778	2,337	34.0	31.6	80.4	80.9	426	433	559	1.1	27.6	19.6	19.1
N. Mex.	336	403	561	19.8	36.7	39.6	42.3	615	614	762	- 1	22.5	60.4	57.7
Ariz.	929	1,323	2,040	42.4	54.2	74.5	75.1	373	453	678	21.3	49.8	25.5	24.9
Utah	683	843	1,154	23.4	36.9	79.6	79.0	207	218	307	4.3	42.0	20.4	21.0
Nev.	212	394	657	86.2	66.5	80.7	82.0	74	144	144	28.4	52.3	19.3	18.0
Pac.	18,880	23,977	29,436	27.0	18.5	80.3	88.4	2,318	2,572	3,364	10.9	30.5	9.7	19.6
Wash.	2,241	2,752	3,322	22.8	20.7	80.6	80.4	812	861	810	6.0	22.5	18.4	19.6
Oreg.	1,112	1,375	1,708	23.8	24.2	65.6	64.9	658	716	925	9.1	29.2	34.2	35.1
Calif.	14,943	19,092	22,409	27.8	17.7	95.6	94.9	774	879	1,169	13.5	36.5	4.4	5.1
Alaska	83	126	174	52.6	38.0	41.9	43.4	143	178	227	22.9	29.1	58.2	56.8
Hawaii	500	631	783	26.0	20.9	51.9	79.0	132	139	202	5.3	45.0	18.1	21.0

- Represents zero. X Not applicable.

Source: U.S. Bureau of the Census, 1980 Census of Population, vol. IV, Chapter A (PC80-1-A), and unpublished data.

NO. 20. LARGE METROPOLITAN AREAS—POPULATION, 1960 TO 1980, AND HOUSEHOLDS, 1980

[As of April 1. Covers 172 standard metropolitan statistical areas (SMSA's) with populations of 200,000 or more and 17 standard consolidated statistical areas (SCSA's) as defined by the Executive Office of the President, Office of Management and Budget. Figures for 1970 include corrections. Rank based on unrounded figures. For definitions and components of SMSA's and SCSA's, see Appendix II. Minus sign (—) reflects decrease]

METROPOLITAN AREA	POPULATION							HOUSEHOLDS, 1980	
	1980 (1,000)	1970 (1,000)	1980					Total (1,000)	Persons per house- hold
			Total (1,000)	Rank	Percent change, 1970- 1980	Black (1,000)	Span- ish origin ¹ (1,000)		
Akron, Ohio.....	605	679	660	57	-2.8	60	4	234	2.76
Albany-Schenectady-Troy, N.Y.....	715	776	785	50	2.2	29	8	287	2.68
Albuquerque, N. Mex.....	276	333	454	86	36.4	10	164	162	2.78
Allentown-Bethlehem-Easton, Pa.-N.J.....	545	594	635	62	6.9	9	15	230	2.69
Anaheim-Santa Ana-Garden Grove, Calif.....	704	1,421	1,933	18	36.0	25	286	666	2.78
Ann Arbor, Mich.....	172	234	265	145	13.1	28	4	93	2.62
Appleton-Oshkosh, Wis.....	232	277	291	129	5.2	(2)	2	99	2.86
Atlanta, Ga.....	1,169	1,596	2,030	16	27.2	499	23	720	2.77
Augusta, Ga.-S.C.....	230	276	327	113	18.7	100	5	109	2.87
Austin, Tex.....	267	360	537	70	48.9	50	94	196	2.61
Bakersfield, Calif.....	292	330	403	97	22.1	21	87	140	2.82
Baltimore, Md.....	1,804	2,071	2,174	14	5.0	557	21	757	2.80
Baton Rouge, La.....	300	376	494	80	31.6	138	8	164	2.92
Beaumont-Port Arthur-Orange, Tex.....	331	348	375	104	8.0	82	13	132	2.81
Binghamton, N.Y.-Pa.....	284	303	301	126	-.4	3	2	106	2.76
Birmingham, Ala.....	747	767	847	45	10.5	240	6	304	2.75
Boston, Mass.....	2,688	2,899	2,763	10	-4.7	160	66	991	2.69
Bridgeport, Conn.....	350	402	395	98	-1.6	35	31	137	2.83
Brownsville-Harlingen-San Benito, Tex.....	151	140	210	168	49.4	1	162	58	3.56
Buffalo, N.Y.....	1,307	1,349	1,243	31	-7.9	114	16	445	2.73
Canton, Ohio.....	361	394	404	96	2.7	24	3	143	2.78
Charleston-North Charleston, S.C.....	279	336	430	91	28.1	133	6	138	2.98
Charleston, W. Va.....	276	257	270	142	4.8	14	1	99	2.69
Charlotte-Gastonia, N.C.....	444	558	637	61	14.2	139	6	226	2.76
Chattanooga, Tenn.-Ga.....	340	371	427	92	15.0	60	3	151	2.77
Chicago, Ill.....	6,221	6,977	7,104	3	1.8	1,428	581	2,487	2.80
Cincinnati, Ohio-Ky.-Ind.....	1,268	1,387	1,401	27	1.0	174	8	499	2.76
Cleveland, Ohio.....	1,909	2,064	1,899	19	-8.0	346	26	694	2.70
Colorado Springs, Colo.....	146	239	317	120	32.7	19	25	111	2.73
Columbia, S.C.....	261	323	410	95	27.0	118	5	133	2.83
Columbus, Ga.-Ala.....	218	239	239	156	.3	84	6	78	2.82
Columbus, Ohio.....	845	1,018	1,093	35	7.4	135	8	397	2.66
Corpus Christi, Tex.....	267	285	326	114	14.5	13	158	105	3.08
Dallas-Ft. Worth, Tex.....	1,738	2,378	2,975	8	25.1	419	250	1,076	2.72
Davenport-Rock Island-Moline, Iowa-Ill.....	319	363	384	100	5.9	17	12	138	2.73
Dayton, Ohio.....	727	853	830	47	-2.6	105	6	300	2.71
Daytona Beach, Fla.....	125	169	259	149	52.7	29	4	106	2.39
Denver-Boulder, Colo.....	935	1,240	1,621	22	30.8	78	174	609	2.61
Des Moines, Iowa.....	287	314	338	111	7.8	14	5	126	2.61
Detroit, Mich.....	3,950	4,435	4,353	5	-1.8	891	72	1,509	2.85
Duluth-Superior, Minn.-Wis.....	277	265	267	143	.5	1	1	98	2.64
El Paso, Tex.....	314	359	480	82	33.6	18	297	141	3.32
Erie, Pa.....	251	264	280	135	6.1	12	2	97	2.81
Eugene-Springfield, Oreg.....	163	215	275	138	27.8	2	6	104	2.59
Evansville, Ind.-Ky.....	272	265	309	123	8.6	16	1	114	2.67
Fayetteville, N.C.....	148	212	247	153	16.6	76	9	75	2.98
Flint, Mich.....	428	509	522	77	2.5	79	8	178	2.91
Fort Lauderdale-Hollywood, Fla.....	334	620	1,018	37	64.2	114	40	418	2.42
Fort Myers-Cape Coral, Fla.....	55	105	205	168	95.1	16	6	83	2.48
Fort Smith, Ark.-Okla.....	135	160	204	169	26.9	7	2	73	2.73
Fort Wayne, Ind.....	306	362	383	101	5.8	26	6	134	2.81
Freano, Calif.....	366	413	515	78	24.5	25	151	179	2.83
Gary-Hammond-East Chicago, Ind.....	574	633	643	59	1.5	126	47	214	2.98
Grand Rapids, Mich.....	462	539	602	64	11.6	32	14	208	2.84
Greensboro-Winston-Salem-High Point, N.C.....	622	724	827	48	14.2	160	6	299	2.70
Greenville-Spartanburg, S.C.....	413	473	569	68	20.2	96	4	197	2.79
Hamilton-Middletown, Ohio.....	199	226	259	148	14.4	12	1	88	2.81
Harrisburg, Pa.....	372	411	447	88	8.8	34	5	163	2.65
Hartford, Conn.....	588	721	728	54	.8	62	34	258	2.74
Honolulu, Hawaii.....	500	631	763	52	20.9	17	55	230	3.15
Houston, Tex.....	1,430	1,999	2,905	9	45.3	529	425	1,027	2.79
Huntington-Ashland, W. Va.-Ky.-Ohio.....	284	267	311	122	8.5	7	1	111	2.76

See footnotes at end of table.

NO. 20. LARGE METROPOLITAN AREAS—POPULATION, 1960 TO 1990, AND HOUSEHOLDS, 1990—
Continued

See headnote, p. 17]

METROPOLITAN AREA	POPULATION							HOUSEHOLDS, 1990	
	1990 (1,000)	1970 (1,000)	1990					Total (1,000)	Persons per household
			Total (1,000)	Rank	Percent change, 1970- 1990	Black (1,000)	Spanish origin ¹ (1,000)		
Huntsville, Ala.	202	262	309	124	9.3	47	3	108	2.66
Indianapolis, Ind.	944	1,111	1,167	34	5.0	157	9	418	2.74
Jackson, Miss.	221	259	320	117	23.8	126	2	108	2.88
Jacksonville, Fla.	530	622	738	53	18.6	158	13	264	2.73
Jersey City, N.J.	611	608	557	69	-8.4	70	145	208	2.65
Johnson City-Kingsport-Bristol, Tenn.-Va.	347	374	■	90	18.1	9	2	154	2.76
Johnstown, Pa.	281	263	265	146	.6	3	1	92	2.81
Kalamazoo-Portage, Mich.	218	258	279	137	8.3	21	4	99	2.72
Kansas City, Mo.-Kans.	1,109	1,274	1,327	29	■	173	32	483	2.66
Killeen-Temple, Tex.	118	180	215	164	34.3	37	22	87	2.85
Knoxville, Tenn.	377	408	477	83	16.4	33	3	175	2.65
Lakeland-Winter Haven, Fla.	185	228	322	116	40.8	48	10	114	2.70
Lancaster, Pa.	278	320	362	108	13.2	7	9	124	2.83
Lansing-East Lansing, Mich.	342	424	472	84	11.1	25	14	159	2.80
Las Vegas, Nev.	127	273	463	85	69.5	45	35	174	2.84
Lawrence-Haverhill, Mass.-N.H.	218	259	282	133	9.1	2	13	99	2.81
Lexington-Fayette, Ky.	212	267	318	119	19.1	35	2	114	2.67
Lima, Ohio	197	210	218	162	3.9	11	3	75	2.67
Little Rock-North Little Rock, Ark.	272	323	394	99	21.8	83	4	142	2.71
Long Branch-Astbury Park, N.J.	334	462	503	79	8.9	43	13	170	2.90
Lorain-Elyria, Ohio	218	257	275	139	7.0	20	13	91	2.98
Los Angeles-Long Beach, Calif.	6,038	7,042	7,478	2	6.2	944	2,066	2,730	2.89
Louisville, Ky.-Ind.	754	867	906	43	4.5	118	5	324	2.75
Lowell, Mass.	167	218	233	157	5.9	2	5	74	3.06
Lubbock, Tex.	156	179	212	166	18.0	16	41	73	2.76
Macon, Ga.	197	227	254	150	11.9	84	2	86	2.88
Madison, Wis.	222	290	324	115	11.5	6	3	121	2.56
McAllen-Pharr-Edinburg, Tex.	181	182	283	132	56.0	1	230	76	3.71
Merbourne-Titusville-Cocoa, Fla.	111	230	273	140	18.7	24	5	102	2.64
Memphis, Tenn.-Ark.-Miss.	727	834	913	42	9.5	364	8	312	2.86
Miami, Fla.	836	1,288	1,626	21	29.2	280	581	610	2.83
Milwaukee, Wis.	1,278	1,404	1,397	28	-.5	151	34	501	2.73
Minneapolis-St. Paul, Minn.-Wis.	1,586	1,865	2,114	15	7.5	50	22	762	2.71
Mobile, Ala.	363	377	444	89	17.7	127	5	150	2.91
Modesto, Calif.	157	195	268	144	36.7	3	40	95	2.78
Montgomery, Ala.	218	226	273	141	20.7	94	3	93	2.96
Nashville-Davidson, Tenn.	597	698	851	44	21.6	137	6	302	2.73
Nassau-Suffolk, N.Y.	1,067	2,558	2,606	11	2.0	162	102	809	3.16
Newark, N.J.	1,833	2,057	1,986	17	-4.4	418	132	677	2.86
New Brunswick-Perth Amboy-Sayreville, N.J.	434	584	596	85	2.1	35	34	197	2.83
Newburgh-Middletown, N.Y.	184	222	280	147	17.1	■	11	84	2.95
New Haven-West Haven, Conn.	359	411	418	93	1.5	50	13	150	2.69
New London-Norwich, Conn.-R.I.	196	242	249	152	2.8	8	5	86	2.77
New Orleans, La.	907	1,048	1,187	33	13.4	387	48	418	2.79
Newport News-Hampton, Va.	255	333	364	107	9.4	104	5	124	2.81
New York, N.Y.-N.J.	9,540	9,974	9,120	1	-8.6	1,941	1,493	3,499	2.56
Norfolk-Virginia Beach-Portsmouth, Va.-N.C.	629	733	807	48	10.1	224	14	266	2.86
Northeast Pa.	621	622	640	60	3.0	4	3	233	2.88
Oklahoma City, Okla.	566	699	834	46	19.3	75	19	312	2.61
Omaha, Nebr.-Iowa	458	543	570	67	5.0	44	12	203	2.74
Orlando, Fla.	338	463	700	56	54.4	91	26	253	2.70
Oxnard-Simi Valley-Ventura, Calif.	199	378	529	75	36.6	11	113	173	3.00
Paterson-Cifton-Passaic, N.J.	407	461	■	87	-2.9	59	62	153	2.87
Pensacola, Fla.	203	243	290	131	19.2	48	5	100	2.82
Peoria, Ill.	313	342	366	■	7.0	22	3	131	2.74
Philadelphia, Pa.-N.J.	4,343	4,824	4,717	4	-2.2	684	118	1,839	2.81
Phoenix, Ariz.	684	971	1,509	26	55.4	48	199	545	2.73
Pittsburgh, Pa.	2,405	2,401	2,264	13	5.7	178	12	829	2.88
Portland, Oreg.-Wash.	822	1,007	1,243	32	23.4	33	24	478	2.56
Poughkeepsie, N.Y.	176	222	245	165	10.2	17	8	81	2.84
Providence-Warwick-Pawtucket, R.I.-Mass.	821	909	919	41	1.1	25	19	328	2.70
Provo-Orem, Utah	107	138	218	183	58.3	(2)	5	59	3.59
Raleigh-Durham, N.C.	324	419	531	73	26.7	134	4	189	2.63
Reading, Pa.	275	295	313	121	5.4	8	9	115	2.85
Richmond, Va.	462	548	632	63	15.4	175	5	227	2.70

See footnotes at end of table.

NO. 20. LARGE METROPOLITAN AREAS—POPULATION, 1960 TO 1980, AND HOUSEHOLDS, 1980—
Continued

[See headnote, p. 17]

METROPOLITAN AREA	POPULATION							HOUSEHOLDS, 1980	
	1980 (1,000)	1970 (1,000)	1960					Total (1,000)	Persons per house- hold
			Total (1,000)	Rank	Percent change, 1970- 1960	Black (1,000)	Span- ish origin ¹ (1,000)		
Riverside-San Bernardino-Ontario, Calif.....	810	1,139	1,558	25	36.8	79	290	552	2.76
Roanoke, Va.....	179	203	224	161	10.4	26	1	83	2.62
Rochester, N.Y.....	801	962	971	39	1.0	78	19	342	2.75
Rockford, Ill.....	230	272	280	136	2.7	21	7	99	2.78
Sacramento, Calif.....	626	804	1,014	38	26.2	61	102	384	2.58
Saginaw, Mich.....	191	220	228	160	3.8	36	12	76	2.96
St. Louis, Mo.-Ill.....	2,144	2,411	2,356	12	-2.3	408	22	838	2.77
Salem, Oreg.....	147	187	250	151	33.9	1	11	91	2.64
Salinas-Seaside-Monterey, Calif.....	196	247	290	130	17.4	19	75	96	2.85
Salt Lake City-Ogden, Utah.....	576	705	936	40	32.7	9	47	297	3.11
San Antonio, Tex.....	736	888	1,072	36	20.7	73	482	349	2.97
San Diego, Calif.....	1,033	1,358	1,862	20	37.1	104	275	670	2.62
San Francisco-Oakland, Calif.....	2,649	3,109	3,251	6	4.5	391	352	1,281	2.46
San Jose, Calif.....	642	1,065	1,295	30	21.6	44	227	459	2.76
Santa Barbara-Santa Maria-Lompoc, Calif.....	169	264	299	128	13.0	8	55	109	2.62
Santa Rosa, Calif.....	147	205	300	127	46.3	3	21	114	2.56
Sarasota, Fla.....	77	120	202	170	68.0	10	3	89	2.25
Savannah, Ga.....	205	208	231	158	10.9	83	2	80	2.82
Seattle-Everett, Wash.....	1,107	1,425	1,607	23	12.8	58	32	618	2.54
Shreveport, La.....	321	336	377	103	12.1	124	6	133	2.78
South Bend, Ind.....	271	280	281	134	.3	22	4	100	2.70
Spokane, Wash.....	278	287	342	110	18.9	4	5	128	2.58
Springfield-Chicopee-Holyoke, Mass.-Conn.....	504	542	531	74	-2.0	29	24	188	2.72
Springfield, Mo.....	126	168	208	167	23.6	3	1	77	2.57
Stockton, Calif.....	250	291	347	109	19.3	19	67	125	2.71
Syracuse, N.Y.....	564	637	643	58	1.0	31	6	224	2.77
Tacoma, Wash.....	322	412	486	81	17.8	30	13	174	2.66
Tampa-St. Petersburg, Fla.....	809	1,089	1,569	24	44.1	146	79	639	2.41
Toledo, Ohio-Mich.....	695	763	792	51	3.8	68	20	278	2.78
Trenton, N.J.....	266	304	308	125	1.2	56	11	106	2.77
Tucson, Ariz.....	266	352	531	72	51.1	15	111	195	2.66
Tulsa, Okla.....	475	549	689	56	25.5	51	10	258	2.63
Utica-Rome, N.Y.....	331	340	320	118	-6.0	8	3	112	2.77
Vallejo-Fairfield-Napa, Calif.....	200	251	334	112	33.2	29	33	117	2.74
Visalia-Tulare-Porterville, Calif.....	168	189	246	154	30.5	4	73	81	2.99
Washington, D.C.-Md.-Va.....	2,097	2,910	3,061	7	5.2	854	93	1,113	2.69
Waterbury, Conn.....	191	217	228	159	5.2	13	8	80	2.79
West Palm Beach-Boca Raton, Fla.....	228	349	577	66	65.3	78	29	234	2.42
Wichita, Kans.....	382	389	411	94	5.6	32	12	154	2.63
Wilmington, Del.-N.J.-Md.....	415	499	523	76	4.8	73	9	181	2.82
Worcester, Mass.....	354	372	373	105	.2	5	8	131	2.74
York, Pa.....	290	330	381	102	15.7	10	3	135	2.78
Youngstown-Warren, Ohio.....	509	537	531	71	-1.1	56	7	187	2.82
Ponce, Puerto Rico.....	192	214	253	(x)	18.4	(x)	(x)	65	3.87
San Juan, Puerto Rico.....	696	937	1,086	(x)	16.0	(x)	(x)	312	3.45
STANDARD CONSOLIDATED STATISTICAL AREA (SCSA) ²									
Boston-Lawrence-Lowell, Mass.-N.H.....	3,193	3,526	3,448	(x)	-2.2	170	87	1,220	2.73
Chicago-Gary-Kenosha, Ill.-Ind.-Wis.....	6,895	7,726	7,870	(x)	1.9	1,557	631	2,744	2.82
Cincinnati-Hamilton, Ohio-Ky.-Ind.....	1,468	1,613	1,660	(x)	2.9	186	9	587	2.77
Cleveland-Akron-Lorain, Ohio.....	2,732	3,000	2,834	(x)	-5.5	426	43	1,019	2.74
Dayton-Springfield, Ohio.....	888	1,040	1,014	(x)	-2.5	119	7	365	2.72
Detroit-Ann Arbor, Mich.....	4,122	4,669	4,618	(x)	-1.1	919	76	1,602	2.84
Houston-Galveston, Tex.....	1,571	2,169	3,101	(x)	43.0	565	448	1,096	2.79
Indianapolis-Anderson, Ind.....	1,070	1,250	1,306	(x)	4.5	167	10	468	2.73
Los Angeles-Long Beach-Anaheim, Calif.....	7,752	9,981	11,498	(x)	15.2	1,059	2,756	4,141	2.73
Miami-Fort Lauderdale, Fla.....	1,269	1,888	2,644	(x)	40.0	394	621	1,027	2.54
Milwaukee-Racine, Wis.....	1,421	1,575	1,570	(x)	-.3	165	42	560	2.74
New York-Newark-Jersey City, N.Y.-N.J.-Conn.....	15,405	17,035	16,121	(x)	-5.4	2,757	1,994	5,830	2.72
Philadelphia-Wilmington-Trenton, Pa.-Del.-Md.-N.J.....	5,024	5,628	5,548	(x)	-1.4	1,013	135	1,926	2.81
Providence-Fall River, R.I.-Mass.....	973	1,078	1,096	(x)	1.6	26	22	391	2.72
San Francisco-Oakland-San Jose, Calif.....	3,639	4,631	5,180	(x)	11.9	467	633	1,971	2.57
Seattle-Tacoma, Wash.....	1,429	1,837	2,093	(x)	13.9	88	45	792	2.57
San Juan-Caguas, Puerto Rico.....	805	1,078	1,260	(x)	16.9	(NA)	(NA)	358	3.49

X Not applicable. Z Less than 500. ¹Persons of Spanish origin may be of any race. ²See Appendix II for component SMSA's.

Source: U.S. Bureau of the Census, *Census of Population, 1970, Characteristics of the Population, Part 1, United States Summary*; and *1980 Census of Population*, vol. I, parts A and B.

NO. 21. POPULATION BY AGE-GROUP—SELECTED SMSA'S: 1980

[In thousands. As of April 1. Covers Standard Metropolitan Statistical Areas (SMSA's) with one million or more persons in 1980, as defined by U.S. Office of Management and Budget, June 30, 1981. See Appendix I.]

SMSA	Total	Under 5 yrs. old	5-17 yrs. old	18-64 yrs. old	65 yrs. old and over	SMSA	Total	Under 5 yrs. old	5-17 yrs. old	18-64 yrs. old	65 yrs. old and over
Anaheim-Santa Ana-Garden Groves, Calif.	1,833	130	396	1,246	161	Minneapolis-St. Paul, Minn.-Wis.	2,114	154	445	1,312	202
Atlanta, Ga.	2,030	148	450	1,278	155	Nassau-Suffolk, N.Y.	2,806	156	588	1,805	256
Baltimore, Md.	2,174	138	450	1,367	219	New Orleans, La.	1,187	97	261	719	110
Boston, Mass.	2,783	145	528	1,748	345	New York, N.Y.-N.J.	9,120	582	1,705	5,833	1,201
Buffalo, N.Y.	1,243	77	256	798	159	Newark, N.J.	1,986	121	414	1,214	218
Chicago, Ill.	7,104	525	1,509	4,358	713	Philadelphia, Pa.-N.J.	4,717	306	974	2,885	552
Cincinnati, Ohio-Ky.- Ind.	1,401	108	303	839	153	Phoenix, Ariz.	1,909	113	311	910	175
Cleveland, Ohio	1,899	126	388	1,162	223	Pittsburgh, Pa.	2,284	130	430	1,402	301
Columbus, Ohio	1,093	80	225	692	86	Portland, Oreg.- Wash.	1,243	92	246	789	136
Dallas-Fort Worth, Tex.	2,975	229	841	1,857	247	Riverside-San Bernardino- Ontario, Calif.	1,558	127	328	918	188
Denver-Boulder, Colo.	1,621	117	329	1,048	126	Sacramento, Calif.	1,014	72	196	648	97
Detroit, Mich.	4,353	310	977	2,652	415	St. Louis, Mo.-Ill.	2,366	172	504	1,408	275
Fort Lauderdale- Hollywood, Fla.	1,018	50	164	580	224	San Antonio, Tex.	1,072	90	251	635	97
Houston, Tex.	2,905	246	841	1,838	180	San Diego, Calif.	1,862	129	347	1,194	192
Indianapolis, Ind.	1,167	87	266	706	114	San Francisco- Oakland, Calif.	3,251	184	570	2,124	363
Kansas City, Mo.- Kansas	1,327	98	277	813	139	San Jose, Calif.	1,296	89	289	840	97
Los Angeles-Long Beach, Calif.	7,476	556	1,479	4,703	743	Seattle-Everett, Wash.	1,807	105	307	1,037	159
Miami, Fla.	1,828	85	295	980	255	Tampa-St. Petersburg, Fla.	1,589	81	269	882	337
Milwaukee, Wis.	1,397	101	294	847	155	Washington, D.C.- Md.-Va.	3,061	192	631	2,007	231

Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1, part B.

NO. 22. URBAN AND RURAL POPULATION—STATES AND PUERTO RICO: 1980

[In thousands, except percent. As of April 1. Excludes Armed Forces overseas.]

REGION AND STATE	Total	URBAN		Rural	REGION AND STATE	Total	URBAN		Rural
		Num- ber	Per- cent				Num- ber	Per- cent	
U.S.	226,648	167,051	73.7	58,495	South—Con:				
Northeast	49,135	38,906	79.2	10,230	Virginia	5,347	3,529	66.0	1,817
Maine	1,125	534	47.5	591	West Virginia	1,850	705	38.2	1,244
New Hampshire	921	480	52.2	440	North Carolina	5,882	2,823	48.0	3,059
Vermont	511	173	33.8	338	South Carolina	3,122	1,669	54.1	1,433
Massachusetts	5,737	4,808	83.8	929	Georgia	5,463	3,409	62.4	2,054
Rhode Island	947	824	87.0	123	Florida	9,748	8,212	84.3	1,534
Connecticut	3,108	2,450	78.8	658	Kentucky	3,661	1,662	50.9	1,799
New York	17,558	14,858	84.6	2,700	Tennessee	4,581	2,774	60.4	1,818
New Jersey	7,365	6,557	89.0	807	Alabama	3,894	2,338	60.0	1,556
Pennsylvania	11,864	8,221	69.3	3,643	Mississippi	2,521	1,193	47.3	1,328
North Central	64,866	41,520	70.5	17,346	Arkansas	2,286	1,180	51.6	1,107
Ohio	10,798	7,918	73.3	2,879	Louisiana	4,206	2,887	68.6	1,319
Indiana	5,490	3,525	64.2	1,965	Oklahoma	3,025	2,035	67.3	990
Illinois	11,427	9,518	83.3	1,908	Texas	14,228	11,333	79.6	2,895
Michigan	9,262	6,552	70.7	2,711	West:	43,172	36,211	83.9	6,961
Wisconsin	4,706	3,021	64.2	1,685	Montana	787	416	52.9	370
Minnesota	4,076	2,725	66.9	1,351	Idaho	944	510	54.0	434
Iowa	2,914	1,708	58.6	1,206	Wyoming	470	295	62.7	175
Missouri	4,917	3,350	68.1	1,567	Colorado	2,690	2,330	86.6	360
North Dakota	853	316	48.6	334	New Mexico	1,303	940	72.1	363
South Dakota	891	321	46.4	370	Arizona	2,718	2,279	83.8	439
Nebraska	1,570	968	62.9	582	Utah	1,481	1,233	84.4	228
Kansas	2,364	1,576	66.7	788	Nevada	800	663	85.3	118
South	75,372	60,414	80.9	24,958	Washington	4,132	3,037	73.5	1,095
Delaware	594	420	70.6	176	Oregon	2,633	1,788	67.9	845
Maryland	4,217	3,367	80.3	830	California	23,668	21,608	91.3	2,060
District of Columbia	638	638	100.0	-	Alaska	402	259	64.3	143
					Hawaii	965	836	86.6	130
					Puerto Rico	3,187	2,134	66.8	1,053

- Represents zero.

Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1.

No. 23. URBAN AND RURAL POPULATION, BY SIZE OF PLACE: 1960 TO 1980

[See text, p. 3, and *Historical Statistics, Colonial Times to 1970*, series A 43-72]

CLASS AND SIZE	PLACES			POPULATION (1,000)			PERCENT OF TOTAL POPULATION		
	1960	1970	1980	1960	1970	1980	1960	1970	1980
United States.....	(x)	(x)	(x)	179,323	203,212	226,548	100.0	100.0	100.0
Urban.....	5,041	7,062	8,765	125,269	148,325	167,051	69.9	73.5	73.7
Places of 1,000,000 or more.....	5	6	6	17,484	18,769	17,530	9.9	9.2	7.7
Places of 500,000-1,000,000.....	18	20	18	11,111	12,967	10,872	6.2	6.4	4.8
Places of 250,000-500,000.....	30	30	34	10,766	10,442	12,189	6.0	5.1	5.4
Places of 100,000-250,000.....	81	100	117	11,652	14,266	17,048	6.5	7.0	7.5
Places of 50,000-100,000.....	201	240	290	13,836	16,724	19,788	7.7	8.2	8.7
Places of 25,000-50,000.....	432	520	675	14,951	17,848	23,457	8.3	8.8	10.4
Places of 10,000-25,000.....	1,134	1,386	1,765	17,568	21,415	27,656	9.8	10.5	12.2
Places of 5,000-10,000.....	1,394	1,639	2,181	9,780	12,924	15,361	5.5	6.4	6.8
Places of 2,500-5,000.....	2,152	2,295	2,665	7,580	8,038	9,377	4.2	4.0	4.1
Places under 2,500.....	596	627	1,016	890	727	1,262	4	4	6
Other urban.....	(x)	(x)	(x)	8,851	16,166	12,502	5.5	7.5	5.5
Rural.....	13,749	13,706	13,780	54,054	53,887	59,495	30.1	26.5	26.3
Places of 1,000-2,500.....	4,151	4,191	4,434	8,497	6,666	7,038	3.6	3.3	3.1
Places under 1,000.....	9,598	9,515	9,326	3,694	3,652	3,653	2.2	1.9	1.7
Other rural.....	(x)	(x)	(x)	43,864	49,379	48,584	24.3	21.3	21.4

X Not applicable. ¹ See text, p. 1.Source: U.S. Bureau of the Census, *Census of Population: 1960, 1970, and 1980*, vol. 1.

No. 24. URBAN AND RURAL POPULATION, BY RACE: 1970 AND 1980

[In thousands, except percent. For data shown in this table, an urbanized area comprises at least one city (central city) plus contiguous, closely settled areas (urban fringe) with a combined population of 50,000 or more. For urban and rural definitions, see text, p. 3. See also *Historical Statistics, Colonial Times to 1970*, series A 73-90]

YEAR AND AREA	Total	White	BLACK AND OTHER RACES		PERCENT DISTRIBUTION			
			Total	Black	Total	White	Black and other	
							Total	Black
1970, total population.....	203,212	177,749	25,463	22,596	100.0	100.0	100.0	100.0
Urban.....	148,325	128,773	20,552	18,367	73.5	72.4	80.7	81.3
Inside urbanized areas.....	118,447	100,952	17,485	15,693	58.3	56.6	68.7	69.5
Central cities.....	63,622	49,547	14,375	13,145	31.5	27.9	56.5	58.2
Urban fringe.....	54,525	51,405	3,120	2,222	20.8	28.9	12.3	11.3
Outside urbanized areas.....	30,878	27,822	3,057	2,675	15.2	15.7	12.0	11.8
Rural.....	53,887	48,976	4,911	4,213	26.5	27.6	19.3	18.7
1980, total population.....	226,548	188,372	38,174	28,486	100.0	100.0	100.0	100.0
Urban.....	167,051	134,322	32,729	22,584	73.7	71.3	85.7	85.3
Inside urbanized areas.....	139,171	109,149	30,022	20,096	61.4	57.9	79.6	75.6
Central cities.....	67,035	48,409	20,627	15,144	29.6	24.6	54.0	57.2
Urban fringe.....	72,136	62,740	9,396	4,952	31.8	33.3	24.6	18.7
Outside urbanized areas.....	27,860	25,173	2,707	2,488	12.3	13.4	7.1	8.4
Rural.....	59,495	54,050	5,445	3,901	26.3	28.7	14.3	14.7

¹ See text, p. 1.Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1 and *1980 Census of Population*, vol. 1, chapter B, (PC80-1-B).

No. 25. CITIES, BY POPULATION SIZE: 1960 TO 1980

[Covers incorporated places of 10,000 population or more]

POPULATION SIZE	NUMBER OF CITIES			POPULATION (mil.)			PERCENT OF TOTAL			CUMULATIVE PERCENT		
	1960	1970	1980	1960	1970	1980	1960	1970	1980	1960	1970	1980
Total.....	1,894	2,831	2,306	91.0	107.7	112.2	100.0	100.0	100.0	(x)	(x)	(x)
1,000,000 or more.....	5	8	6	17.5	18.9	17.5	19.2	17.6	15.6	19.2	17.5	15.6
500,000-1,000,000.....	18	20	16	11.1	13.1	10.9	12.2	12.2	9.7	31.4	29.7	25.3
250,000-500,000.....	30	31	33	10.8	10.7	11.6	11.8	9.8	10.5	43.2	39.8	35.8
100,000-250,000.....	79	98	114	11.4	14.1	16.8	12.5	13.1	14.8	55.7	52.7	50.7
50,000-100,000.....	180	234	260	12.5	16.3	17.2	13.7	15.0	15.4	69.5	67.9	66.0
25,000-50,000.....	398	474	529	12.7	16.4	18.4	14.0	15.2	16.4	83.5	83.1	82.4
10,000-25,000.....	978	1,167	1,260	15.1	19.2	19.8	16.5	16.8	17.6	100.0	100.0	100.0

X Not applicable.

Source: U.S. Bureau of the Census, *Census of Population: 1970 and 1980*, vol. 1, and unpublished data.

No. 26. CITIES WITH 100,000 INHABITANTS OR MORE IN 1980—POPULATION, 1970 AND 1980, AND HOUSEHOLDS, 1980

(As of April 1. Data refer to municipal limits as of January. Minus (-) sign denotes decrease)

CITY	POPULATION										HOUSEHOLDS, 1980	
	1970		1980								Total (1,000)	Persons per household
	Total ¹ (1,000)	Percent Black ²	Total (1,000)	Rank	Percent change, 1970-1980	Black	Spanish origin ³	Under 18 years old	65 years old and over	Per square mile		
Akron, Ohio	275	17.5	237	59	-13.9	22.2	.6	26.4	13.5	4,125	91	2.56
Albany, N.Y.	116	12.2	102	164	12.1	16.1	1.6	20.5	16.5	4,710	41	2.29
Albuquerque, N. Mex.	245	2.2	332	44	35.7	2.5	33.8	27.6	6.4	3,485	124	2.65
Alexandria, Va.	111	14.1	103	160	-7.0	22.3	3.9	19.3	9.2	6,867	48	2.07
Allentown, Pa.	110	1.8	104	155	5.6	3.1	5.1	22.4	16.1	5,929	41	2.42
Amarillo, Tex.	127	5.3	149	107	17.5	5.5	9.2	29.0	10.1	1,863	56	2.63
Anaheim, Calif.	166	(x)	219	63	31.8	1.2	17.2	26.5	7.7	5,259	80	2.71
Anchorage, Alaska ⁴	48	6.9	174	78	262.6	5.3	3.0	31.5	2.0	101	60	2.80
Ann Arbor, Mich.	100	6.7	106	146	7.9	9.3	2.1	19.1	5.9	4,389	39	2.42
Arlington, Tex.	90	.6	180	94	77.5	2.9	4.1	26.5	4.5	2,024	59	2.69
Atlanta, Ga.	495	51.3	425	29	14.1	66.6	1.4	26.8	11.5	3,244	163	2.51
Aurora, Colo.	75	1.2	159	96	111.5	6.9	5.0	29.5	4.3	2,657	59	2.67
Austin, Tex.	254	11.8	345	42	36.3	12.2	18.7	24.6	7.5	2,978	134	2.45
Bakersfield, Calif.	70	13.3	106	152	51.9	10.6	15.0	29.1	9.2	1,435	40	2.62
Baltimore, Md.	805	46.4	787	10	-13.1	54.8	1.0	26.9	12.8	9,793	281	2.74
Baton Rouge, La.	186	27.8	219	62	32.2	36.5	1.8	27.3	8.7	3,562	79	2.67
Beaumont, Tex.	118	30.7	116	132	.5	36.8	3.5	28.3	11.4	1,620	43	2.66
Berkeley, Calif.	114	23.5	103	156	-9.4	20.1	5.1	15.4	10.8	9,458	45	2.11
Birmingham, Ala.	301	42.0	264	50	5.5	55.6	.8	26.6	13.9	2,867	107	2.61
Boise City, Idaho	75	4	102	162	36.6	5	2.3	26.6	10.2	2,607	40	2.50
Boston, Mass.	641	16.3	663	20	-12.2	22.4	6.4	21.6	12.7	11,928	216	2.40
Bridgeport, Conn.	157	16.3	143	110	-8.9	21.0	16.7	27.6	13.4	9,697	52	2.65
Buffalo, N.Y.	463	20.4	356	39	-22.7	26.8	2.7	25.2	15.0	8,561	141	2.46
Cedar Rapids, Iowa	111	1.6	110	141	.4	2.3	.9	27.6	11.0	2,045	42	2.58
Charlotte, N.C.	241	30.3	314	47	30.2	31.0	1.1	27.6	8.6	2,251	119	2.64
Chattanooga, Tenn.	120	35.8	170	87	41.4	31.7	.8	26.7	12.7	1,370	62	2.63
Chesapeake, Va.	90	23.1	114	137	27.8	27.6	.9	31.9	7.1	337	36	3.11
Chicago, Ill.	3,368	32.7	3,005	2	10.8	39.8	14.0	26.4	11.4	13,174	1,092	2.71
Cincinnati, Ohio	454	27.6	385	32	-15.0	33.8	.8	25.2	14.5	4,835	156	2.35
Cleveland, Ohio	751	38.3	574	16	23.6	43.6	3.1	27.8	13.0	7,264	216	2.56
Colorado Springs, Colo.	136	5.2	215	66	58.6	5.6	6.5	28.3	8.3	2,081	81	2.59
Columbia, S.C.	114	29.9	101	167	10.9	40.2	2.2	20.3	10.4	945	30	2.47
Columbus, Ga. ⁵	155	26.2	189	86	9.3	34.2	2.1	29.5	8.9	779	59	2.76
Columbus, Ohio	540	18.5	565	19	4.6	22.1	.8	25.8	8.9	3,123	217	2.48
Concord, Calif.	65	.3	103	159	21.2	1.7	7.2	27.8	7.3	3,515	36	2.68
Corpus Christi, Tex.	205	5.1	232	80	13.4	5.1	46.6	32.4	8.2	2,237	77	2.98
Dallas, Tex.	844	24.8	904	7	7.1	29.4	12.3	27.0	9.5	2,715	355	2.51
Dayton, Ohio	98	4.2	103	158	4.9	6.1	2.8	29.1	10.5	1,736	38	2.65
Dayton, Ohio	243	30.5	203	70	-16.2	36.9	.9	27.4	11.8	4,202	78	2.51
Denver, Colo.	515	9.1	492	24	4.3	12.0	18.8	22.5	12.8	4,452	212	2.27
Des Moines, Iowa	201	5.7	191	74	5.2	6.8	1.9	26.9	12.5	2,890	75	2.46
Detroit, Mich.	1,514	43.7	1,203	6	20.5	63.1	2.4	30.3	11.7	8,674	433	2.73
Durham, N.C.	95	36.6	101	168	5.7	47.1	.9	23.2	12.1	2,484	38	2.46
Elizabeth, N.J.	113	15.5	106	150	-5.7	18.2	26.7	25.7	13.2	9,060	39	2.69
El Paso, Tex.	322	2.3	425	28	32.0	3.2	62.5	35.0	6.9	1,776	126	3.29
Erie, Pa.	129	6.6	119	130	-7.8	9.7	1.1	27.3	13.4	5,480	44	2.69
Eugene, Oreg.	79	.8	106	151	33.7	1.1	2.1	22.4	9.5	3,260	42	2.36
Evansville, Ind.	139	7.3	130	121	-6.0	6.5	.5	24.6	15.2	3,486	51	2.46
Flint, Mich.	183	26.1	160	96	-17.4	41.4	2.5	31.9	10.0	4,911	58	2.74
Fort Lauderdale, Fla.	140	14.6	153	101	9.6	21.0	4.2	19.3	19.1	4,795	68	2.22
Fort Wayne, Ind.	178	10.6	172	80	-3.4	14.6	2.2	28.0	11.9	3,274	66	2.55
Fort Worth, Tex.	393	19.9	365	33	-2.1	22.6	12.6	27.1	11.8	1,604	144	2.60
Fremont, Calif.	101	(x)	132	119	30.8	2.5	14.0	30.1	5.2	1,863	44	2.66
Fresno, Calif.	186	9.6	216	65	31.7	9.5	23.6	27.9	10.9	3,326	62	2.59
Fullerton, Calif.	86	.8	102	163	18.7	1.6	13.5	24.2	6.0	4,620	39	2.64
Garden Grove, Calif.	121	(x)	123	127	1.8	.8	13.5	28.3	7.4	7,046	42	2.93
Garland, Tex.	81	3.7	139	115	70.5	5.3	6.3	33.7	4.1	2,495	46	3.01
Gary, Ind.	175	52.8	152	104	-13.4	70.6	7.1	34.9	8.2	3,857	49	3.06
Glendale, Calif.	133	(x)	139	114	4.6	.3	17.8	20.8	18.3	4,540	59	2.30
Grand Rapids, Mich.	198	11.3	182	75	-8.0	15.7	3.2	27.4	13.4	4,190	66	2.63
Greensboro, N.C.	144	28.2	156	100	8.0	33.0	.8	25.3	9.8	2,581	57	2.58
Hampton, Va.	121	25.4	123	128	1.5	34.3	1.4	29.1	7.0	2,390	42	2.83

See footnotes at end of table.

**NO. 26. CITIES WITH 100,000 INHABITANTS OR MORE IN 1980—POPULATION, 1970 AND 1980, AND
HOUSEHOLDS, 1980—CONTINUED**

[See headnote, p. 22]

CITY	POPULATION										HOUSEHOLDS, 1980	
	1970		1980								Total (1,000)	Per- sons per house- hold
	Total ¹ (1,000)	Per- cent Black ²	Total (1,000)	Rank	Percent change, 1970- 1980	Black	Span- ish ori- gin ³	Under 18 years old	65 years old and over	Per- sons per square mile		
Hartford, Conn.	158	27.9	136	117	-13.7	33.9	20.5	29.0	11.4	7,662	51	2.53
Hialeah, Fla.	102	1.1	145	108	41.8	1.5	74.3	24.2	11.4	7,482	48	2.99
Hollywood, Fla.	107	3.7	121	129	13.5	4.1	5.3	19.8	25.1	5,249	51	2.37
Honolulu, Hawaii ⁴	325	.7	365	38	12.4	1.2	5.2	23.1	10.4	4,196	127	2.79
Houston, Tex.	1,234	25.7	1,595	5	29.3	27.6	17.6	26.4	6.9	2,867	603	2.62
Huntington Beach, Calif.	116	(2)	171	85	47.0	7	7.9	27.9	5.9	6,291	61	2.78
Huntsville, Ala.	139	12.1	143	111	2.3	20.7	1.0	28.9	7.0	1,256	50	2.79
Independence, Mo.	112	.8	112	140	.2	7	1.4	27.2	10.9	1,389	42	2.62
Indianapolis, Ind.	737	18.0	701	12	4.9	21.8	.9	26.6	10.3	1,990	260	2.85
Irving, Tex.	97	1.0	110	142	13.0	1.5	7.4	29.1	4.7	1,635	40	2.70
Jackson, Miss.	154	39.7	203	71	31.8	47.0	7	29.6	9.7	1,910	71	2.76
Jacksonville, Fla.	504	22.3	541	22	7.3	25.4	1.8	26.8	9.6	712	197	2.70
Jersey City, N.J.	260	21.0	224	61	-14.1	27.7	18.6	29.4	11.8	16,934	81	2.74
Kansas City, Kans.	169	20.4	161	93	4.2	26.3	4.9	25.6	11.7	1,499	60	2.66
Kansas City, Mo.	507	22.1	448	27	-11.7	27.4	3.3	26.5	12.3	1,417	175	2.51
Knoxville, Tenn.	175	12.7	175	77	.3	14.6	7	21.9	13.8	2,270	69	2.40
Lakewood, Colo.	93	1	113	139	21.7	.5	5.9	27.6	7.2	3,174	41	2.70
Lansing, Mich.	131	9.3	130	122	-.8	13.9	6.3	26.2	8.7	3,694	50	2.61
Las Vegas, Nev.	126	11.2	185	89	30.9	12.9	7.8	27.9	6.3	2,994	82	2.63
Lexington-Fayette, Ky. ⁵	108	17.0	204	66	88.9	13.3	7	25.3	6.6	717	75	2.66
Lincoln, Nebr.	159	1.5	172	81	15.0	2.0	1.6	23.5	10.3	2,866	65	2.46
Little Rock, Ark.	132	25.0	156	96	19.8	32.2	.8	26.0	11.0	1,996	81	2.55
Livonia, Mich.	110	(2)	105	153	4.8	1	.9	26.4	7.8	3,018	33	3.16
Long Beach, Calif.	359	5.3	361	37	.7	11.3	14.0	22.9	14.0	7,256	152	2.31
Los Angeles, Calif.	2,612	17.9	2,987	3	5.5	17.0	27.5	25.1	10.6	6,384	1,135	2.55
Louisville, Ky.	362	23.8	296	49	17.5	28.2	7	25.0	15.3	4,974	117	2.48
Lubbock, Tex.	149	7.3	174	79	16.7	8.2	18.8	27.7	7.8	1,920	61	2.70
Macon, Ga.	122	37.3	117	134	-4.5	44.5	7	26.7	11.9	2,357	42	2.71
Madison, Wis.	172	1.5	171	84	.7	2.7	1.3	20.5	8.7	3,165	66	2.36
Memphis, Tenn.	624	36.9	646	14	3.6	47.6	.8	29.1	10.4	2,447	230	2.76
Mesa, Ariz.	63	1.2	152	102	141.6	1.2	.1	30.1	11.2	2,250	54	2.80
Miami, Fla.	335	22.7	347	41	3.6	25.1	55.9	21.4	17.0	10,113	134	2.54
Milwaukee, Wis.	717	14.7	836	18	-11.3	23.1	4.1	27.0	12.5	6,641	242	2.56
Minneapolis, Minn.	434	4.4	371	34	-14.6	7.7	1.3	20.0	15.4	6,732	162	2.19
Mobile, Ala.	190	35.4	200	72	5.5	36.2	1.1	29.0	11.1	1,630	71	2.75
Modesto, Calif.	82	1.9	107	149	72.7	2.1	10.5	29.5	9.7	4,281	39	2.68
Montgomery, Ala.	133	33.4	176	76	33.3	39.2	.9	30.2	10.1	1,366	63	2.76
Nashville-Davidson, Tenn.	426	19.6	456	25	7.0	23.3	.8	25.0	11.0	950	170	2.57
New Haven, Conn.	139	26.3	126	125	8.4	31.9	8.0	25.3	13.1	6,672	47	2.48
New Orleans, La.	593	45.0	556	21	6.1	55.3	3.4	26.6	11.7	2,796	206	2.63
New York, N.Y.	7,896	21.1	7,072	1	10.4	25.2	19.9	25.0	13.5	23,455	2,769	2.49
Bronx Borough	1,472	24.3	1,169	(0)	-20.6	31.6	33.9	29.2	12.9	26,006	429	2.66
Brooklyn Borough	2,602	25.2	2,231	(0)	-14.3	32.4	17.6	26.3	12.5	31,762	826	2.67
Manhattan Borough	1,539	24.7	1,426	(0)	-7.2	21.7	23.5	17.7	14.3	64,395	705	1.96
Queens Borough	1,967	13.0	1,691	(0)	-4.8	16.7	13.9	23.1	14.9	17,411	712	2.63
Staten Island Borough	295	5.3	352	(0)	19.2	7.8	5.4	29.1	10.0	5,995	115	3.00
Newark, N.J.	382	54.2	329	46	-13.8	58.2	18.6	34.1	8.8	13,662	111	2.93
Newport News, Va.	136	28.4	146	109	4.9	31.5	1.8	26.4	7.8	2,219	51	2.73
Norfolk, Va.	306	26.3	267	55	-13.3	35.2	2.3	24.6	9.2	5,037	66	2.65
Oakland, Calif.	362	34.5	339	43	6.1	46.9	9.6	24.3	13.2	6,296	142	2.34
Oldham City, Okla.	366	13.7	403	31	9.5	14.6	2.8	27.0	11.3	668	160	2.48
Omaha, Nebr.	347	9.9	314	48	-9.4	12.0	2.3	27.5	12.2	3,457	118	2.59
Orlando, Fla.	99	29.5	129	124	29.6	30.0	3.9	24.0	12.7	3,248	48	2.45
Oxnard, Calif.	71	6.0	106	145	51.9	6.1	44.4	33.2	6.6	4,506	33	3.21
Pasadena, Calif.	113	16.1	119	131	5.0	20.7	18.4	23.1	14.9	5,154	47	2.42
Pasadena, Tex.	90	1	113	139	25.1	.8	17.0	31.4	4.8	2,974	39	2.66
Paterson, N.J.	145	26.9	136	116	-4.7	34.1	26.7	32.9	10.3	16,623	46	2.96
Peoria, Ill.	127	11.5	124	126	-2.2	16.7	1.4	27.6	12.3	3,026	46	2.57
Philadelphia, Pa.	1,949	33.6	1,866	4	-13.4	37.6	3.8	25.9	14.1	12,413	620	2.66
Phoenix, Ariz.	564	4.8	790	9	35.2	4.8	14.8	29.0	6.3	2,437	285	2.74
Pittsburgh, Pa.	520	20.2	424	30	-18.5	24.0	.8	21.4	16.0	7,652	166	2.44
Portland, Oreg.	380	5.8	366	35	-3.6	7.6	2.1	21.6	15.3	3,547	169	2.25
Portsmouth, Va.	111	39.9	106	154	-5.8	45.1	1.0	28.7	10.7	3,486	37	2.79

See footnotes at end of table.

No. 26. CITIES WITH 100,000 INHABITANTS OR MORE IN 1980—POPULATION, 1970 TO 1980, AND HOUSEHOLDS, 1980—Continued

[See headnote, p. 22]

CITY	POPULATION										HOUSEHOLDS, 1980	
	1970		1980								Total (1,000)	Persons per household
	Total ¹ (1,000)	Per- cent Black ²	Total (1,000)	Rank	Percent change, 1970-1980	Percent—				Per square mile		
						Black	Span- ish origin ³	Under 18 years old	65 years old and over			
Providence, R.I.....	179	8.9	157	99	- 12.5	11.8	5.8	23.2	15.3	8,297	60	2.44
Pueblo, Colo.....	98	2.1	102	165	4.0	2.1	35.5	26.5	12.3	3,063	37	2.66
Raleigh, N.C.....	123	22.7	150	105	22.3	27.4	.9	22.3	8.3	2,793	55	2.46
Reno, Nev.....	73	2.2	101	169	38.3	2.7	5.1	20.1	10.5	3,250	44	2.24
Richmond, Va.....	249	42.0	219	64	- 12.1	51.3	1.0	22.4	14.1	3,650	86	2.43
Riverside, Calif.....	140	5.2	171	83	22.0	6.9	16.2	29.2	8.8	2,380	61	2.75
Roanoke, Va.....	92	19.3	100	170	8.8	22.0	.7	24.4	15.6	2,326	40	2.46
Rochester, N.Y.....	295	16.8	242	57	- 18.1	25.8	5.4	26.6	14.0	7,068	95	2.45
Rockford, Ill.....	147	8.3	140	113	- 5.2	13.2	2.9	27.8	12.6	3,601	52	2.61
Sacramento, Calif.....	257	10.7	276	52	7.2	13.4	14.2	24.6	13.6	2,869	113	2.39
St. Louis, Mo.....	622	40.9	453	26	- 27.2	45.6	1.2	26.1	17.6	7,379	178	2.49
St. Paul, Minn.....	310	3.5	270	54	- 12.8	4.9	2.9	24.1	15.0	5,157	106	2.44
St. Petersburg, Fla.....	216	14.8	239	58	10.4	17.2	1.8	20.4	25.8	4,300	104	2.24
Salt Lake City, Utah.....	176	1.2	163	90	- 7.3	1.5	7.6	24.2	14.7	2,168	68	2.35
San Antonio, Tex.....	654	7.6	786	11	20.1	7.3	53.7	32.2	9.5	2,992	259	2.97
San Bernardino, Calif.....	107	14.0	117	133	9.9	14.9	25.4	28.1	11.9	2,208	43	2.63
San Diego, Calif.....	697	7.6	876	8	25.5	8.9	14.9	24.1	9.7	2,736	321	2.53
San Francisco, Calif.....	716	13.4	679	13	- 5.1	12.7	12.3	17.2	15.4	14,636	299	2.19
San Jose, Calif.....	460	2.5	629	17	36.9	4.6	22.3	31.0	6.2	3,984	210	2.96
Santa Ana, Calif.....	156	4.3	204	69	30.8	4.0	44.5	30.6	7.4	7,435	64	3.12
Savannah, Ga.....	118	44.9	141	112	19.5	49.0	1.3	29.6	11.4	2,489	51	2.73
Seattle, Wash.....	531	7.1	494	23	- 7.0	9.5	2.6	17.6	15.4	3,415	219	2.15
Shreveport, La.....	182	34.1	206	67	13.0	41.1	1.3	30.3	11.7	2,544	75	2.72
South Bend, Ind.....	126	14.1	110	143	- 12.6	18.3	2.4	26.8	14.8	3,014	42	2.56
Spokane, Wash.....	171	1.3	171	82	.5	1.6	1.5	24.5	15.3	3,313	71	2.35
Springfield, Mass.....	164	12.6	152	103	- 7.1	16.6	9.1	27.5	13.8	4,805	55	2.66
Springfield, Mo.....	120	2.0	133	118	10.8	2.1	.7	23.2	13.2	2,051	52	2.40
Stamford, Conn.....	109	12.3	102	161	- 5.8	15.0	5.6	24.5	12.0	2,689	36	2.65
Sterling Heights, Mich.....	61	.1	109	144	77.6	.2	.9	34.5	4.5	2,978	34	3.20
Stockton, Calif.....	110	11.0	150	106	36.2	10.4	22.1	29.2	11.0	3,744	55	2.62
Sunnyvale, Calif.....	96	.8	107	148	11.1	2.4	11.5	23.0	8.2	4,650	43	2.46
Syracuse, N.Y.....	197	10.8	170	86	- 13.8	15.7	1.7	23.3	14.6	7,147	67	2.38
Tacoma, Wash.....	154	6.8	159	97	2.7	9.2	2.4	26.8	13.5	3,323	63	2.44
Tampa, Fla.....	278	19.7	272	53	- 2.2	23.5	13.3	25.1	14.8	3,217	106	2.51
Tempe, Ariz.....	64	.7	107	147	66.0	1.8	6.2	24.7	4.7	2,822	37	2.73
Toledo, Ohio.....	383	13.8	355	40	- 7.4	17.4	3.0	28.1	12.5	4,212	133	2.62
Topeka, Kans.....	125	8.4	115	136	- 7.8	9.5	4.6	25.2	13.9	2,333	46	2.39
Torrance, Calif.....	135	(z)	130	123	- 3.8	.7	6.3	23.8	8.5	6,341	50	2.60
Tucson, Ariz.....	263	3.5	331	45	25.7	3.7	24.9	25.5	11.7	3,346	125	2.57
Tulsa, Okla.....	330	10.6	361	38	9.3	11.8	1.7	25.8	10.8	1,945	145	2.43
Virginia Beach, Va.....	172	9.1	262	56	52.3	10.0	2.0	30.7	4.5	1,025	85	2.97
Waco, Tex.....	95	19.9	101	166	6.2	21.8	11.1	24.3	14.3	1,367	38	2.51
Warren, Mich.....	179	(z)	161	92	- 10.1	.2	.9	27.8	8.0	4,680	54	2.99
Washington, D.C.....	757	71.1	638	15	- 15.6	70.3	2.8	22.5	11.6	10,181	253	2.40
Waterbury, Conn.....	108	10.1	103	157	- 4.4	11.6	6.7	25.8	15.5	3,611	38	2.67
Wichita, Kans.....	277	9.7	279	51	1.0	10.8	3.5	26.3	10.6	2,754	110	2.49
Winston-Salem, N.C.....	134	34.3	132	120	- 1.3	40.2	.8	25.3	12.1	2,169	50	2.50
Worcester, Mass.....	177	1.9	162	91	- 8.4	2.9	4.3	23.6	16.3	4,326	59	2.56
Yonkers, N.Y.....	204	6.4	195	73	- 4.4	10.5	6.7	23.1	14.8	10,655	74	2.61
Youngstown, Ohio.....	141	25.2	115	135	- 18.1	33.3	3.3	26.3	14.6	3,346	42	2.70

X Not applicable. Z Less than .05 percent. ¹ 1970 population totals include corrections made after tabulations were completed. ² Based on uncorrected tabulated data. ³ Persons of Spanish origin may be of any race. ⁴ Anchorage city consolidated with Anchorage Borough September 15, 1975. ⁵ Columbus and the unincorporated balance of Muscogee County consolidated on January 1, 1971. ⁶ 1980 data are for census designated place (essentially the Honolulu Judicial District) which has same boundaries as Honolulu city did in 1960 and 1970. ⁷ Lexington and Fayette County consolidated January 1, 1974.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. I, parts A and B; and *1980 Census of Population*, vol. I, parts A and B.

NO. 27. TOTAL POPULATION, BY AGE AND SEX: 1960 TO 1961

[In thousands, except as indicated. As of July 1. Includes Armed Forces abroad. See text, p. 2 for derivation of estimates. For definition of median, see Guide to Tabular Presentation. See also Historical Statistics, Colonial Times to 1970, series A23-25 and A29-41]

YEAR AND SEX	Total, all ages	Under 5 years	5-13 years	14-17 years	18-21 years	22-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65 years and over	16 years and over	18 years and over	21 years and over	Median age (yr.)
Total															
1960	180,871	20,341	32,965	11,219	9,555	6,573	22,919	24,221	20,576	15,825	16,875	121,835	116,146	108,856	29.4
1970	206,052	17,166	36,672	15,924	14,719	9,902	26,324	23,150	23,315	18,082	20,107	143,070	136,290	124,127	27.9
1975	215,973	16,121	33,818	17,129	16,874	11,331	31,471	22,831	23,757	20,045	22,896	157,343	148,805	136,139	28.7
1976	218,036	15,817	33,516	17,119	16,995	11,650	32,759	23,094	23,622	20,396	23,276	160,319	151,784	138,062	28.9
1977	220,239	15,594	32,855	17,045	17,225	11,948	33,898	23,582	23,370	20,780	23,892	163,378	154,776	141,701	29.2
1978	222,585	15,735	32,094	16,946	17,405	12,216	34,863	24,437	23,174	21,112	24,502	166,422	157,810	144,719	29.5
1979	225,065	16,083	31,431	16,811	17,505	12,542	36,203	25,176	23,942	21,448	25,194	169,441	160,950	147,779	29.8
1980	227,858	16,448	31,076	16,136	17,524	12,813	37,567	25,878	22,734	21,753	25,708	172,366	163,997	150,839	30.0
1981	229,807	16,839	30,896	15,596	17,417	13,019	38,977	26,510	22,536	21,935	26,253	174,838	166,547	153,694	30.3
Male															
1960	89,320	10,339	18,672	5,683	4,810	3,284	11,327	11,872	10,142	7,559	7,542	59,413	56,536	52,859	26.5
1970	100,354	8,751	19,687	8,106	7,444	5,007	12,537	11,322	11,253	8,433	8,413	66,767	64,808	59,164	26.6
1975	105,368	8,240	17,303	8,722	8,454	5,083	15,836	11,198	11,449	8,416	9,265	75,444	71,102	64,876	27.5
1976	110,634	8,413	15,894	8,226	8,903	6,440	16,720	12,725	10,994	10,174	10,363	82,591	78,311	71,618	28.8
1977	111,878	8,567	15,871	7,941	8,656	6,561	19,426	13,041	10,894	10,256	10,660	83,769	79,597	72,991	29.1
1978	113,352	8,715	15,203	7,816	8,536	6,457	19,551	13,468	11,842	11,679	15,693	91,059	87,049	80,873	31.6
1979	114,608	8,415	16,816	7,816	8,220	6,445	19,551	13,468	11,842	11,679	15,693	91,059	87,049	80,873	31.6
1980	116,024	8,036	15,192	7,910	8,621	6,373	18,967	13,153	11,750	11,578	15,345	89,805	85,067	78,221	31.3
1981	117,931	8,272	14,964	7,626	8,558	6,457	18,551	13,468	11,842	11,679	15,693	91,059	87,049	80,873	31.6
Percent Distribution															
1960	100.0	11.3	18.2	6.2	5.3	3.6	12.7	13.4	11.4	8.6	9.2	67.4	64.3	60.3	(X)
1970	100.0	8.4	17.9	7.8	7.2	4.9	12.3	11.3	11.4	9.1	9.8	69.8	66.0	60.5	(X)
1975	100.0	7.2	13.7	7.1	7.7	5.6	16.5	11.4	10.0	9.6	11.3	76.7	72.0	66.3	(X)
1976	100.0	7.4	13.3	6.8	7.6	5.7	17.0	11.5	9.8	9.5	11.4	78.1	72.5	66.9	(X)
Male															
1960	100.0	11.6	18.8	6.4	5.4	3.7	12.7	13.3	11.4	8.5	8.4	68.5	63.2	59.2	(X)
1970	100.0	8.7	18.6	8.1	7.4	5.0	12.5	11.3	11.2	8.8	8.4	68.5	64.6	59.0	(X)
1975	100.0	7.6	18.4	8.3	8.0	5.4	14.8	10.6	10.9	8.8	8.8	71.6	67.5	61.4	(X)
1976	100.0	7.6	14.3	7.4	8.0	5.8	16.9	11.5	9.9	9.2	9.4	74.5	70.7	64.6	(X)
1977	100.0	7.7	14.0	7.1	7.9	5.9	17.4	11.7	9.7	9.2	9.4	74.9	71.1	65.2	(X)
Female															
1960	100.0	10.9	17.7	6.1	5.2	3.6	12.7	13.5	11.4	8.8	10.0	68.3	65.3	61.3	(X)
1970	100.0	8.0	17.2	7.5	6.9	4.8	12.3	11.3	11.5	9.4	11.2	71.0	67.3	62.0	(X)
1975	100.0	7.1	15.0	7.6	7.4	5.1	14.3	10.5	11.1	9.8	12.1	74.0	70.3	64.6	(X)
1976	100.0	6.9	13.0	6.8	7.4	5.5	16.1	11.3	10.1	9.9	13.1	76.9	73.3	67.8	(X)
1977	100.0	7.0	12.7	6.5	7.3	5.5	16.6	11.4	9.9	9.9	13.3	77.2	73.8	68.4	(X)

X Not applicable.

Source: U.S. Bureau of the Census, Current Population Reports, series P-25, Nos. 311, 519, and 917

NO. 28. POPULATION, BY SEX, RACE, RESIDENCE, AND MEDIAN AGE: 1790 TO 1961

[In thousands, except as indicated. Resident population excluding Armed Forces abroad. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A 73-81 and A 143-149]

DATE	SEX		RACE				RESIDENCE ¹		MEDIAN AGE (years)		
	Male	Female	White	Black		Other	Urban	Rural	All races	White	Black
				Number	Percent						
CONTINUOUS U.S. ²											
1790 (Aug. 2)	(NA)	(NA)	3,172	757	19.3	(NA)	202	3,728	(NA)	(NA)	(NA)
1800 (Aug. 4)	(NA)	(NA)	4,306	1,002	18.9	(NA)	322	4,988	(NA)	16.0	(NA)
1810 (Aug. 6)	(NA)	(NA)	5,862	1,378	19.0	(NA)	525	6,714	(NA)	16.0	(NA)
1820 (Aug. 7)	4,897	4,742	7,887	1,772	18.4	(NA)	693	8,945	16.7	16.5	17.2
1830 (June 1)	6,532	6,334	10,537	2,329	18.1	(NA)	1,127	11,739	17.2	17.2	16.9
1840 (June 1)	8,689	8,381	14,186	2,874	16.8	(NA)	1,845	15,224	17.8	17.9	17.3
1850 (June 1)	11,836	11,354	19,553	3,839	15.7	(NA)	3,544	19,648	18.9	19.2	17.3
1860 (June 1)	16,065	15,356	26,923	4,442	14.1	79	8,217	25,227	19.4	19.7	17.7
1870 (June 1)	19,494	18,065	33,589	4,980	12.7	89	9,902	28,658	20.2	20.4	18.5
1880 (June 1)	25,519	24,637	43,403	6,561	13.1	172	14,130	38,026	20.9	21.4	19.0
1890 (June 1)	32,237	30,711	55,101	7,469	11.9	358	22,106	40,841	22.0	22.5	17.8
1900 (June 1)	38,816	37,178	66,808	8,634	11.6	351	30,160	45,836	22.9	23.4	19.4
1910 (Apr. 15)	47,332	44,640	81,732	9,628	10.7	413	41,999	49,973	24.1	24.5	20.6
1920 (Jan. 1)	53,900	51,810	94,821	10,483	9.9	427	54,158	51,553	25.3	25.8	22.3
1930 (Apr. 1)	62,137	60,638	110,287	11,991	9.7	597	66,955	53,820	26.4	26.9	23.5
1940 (Apr. 1)	66,062	65,808	118,215	12,866	8.8	586	74,424	57,248	29.0	29.5	25.3
1950 (Apr. 1)	74,833	75,864	134,942	15,042	10.0	713	96,486	54,230	30.2	30.8	26.2
1960 (Apr. 1)	87,866	90,600	156,456	18,860	10.6	1,149	124,899	53,765	29.6	30.3	23.5
UNITED STATES											
1950 (Apr. 1)	75,187	78,139	135,150	15,045	9.9	1,131	98,847	54,479	30.2	30.7	26.2
1960 (Apr. 1)	88,331	90,982	156,832	18,672	10.5	1,820	125,289	54,054	29.5	30.3	23.5
1970 (Apr. 1) ³	98,928	104,309	178,098	22,581	11.1	2,557	149,325	53,867	28.0	28.9	22.4
1980 (Apr. 1) ⁴	110,032	118,473	194,779	26,824	11.8	5,102	166,965	59,539	30.0	30.9	24.9
1981 (July 1, est.)	111,423	117,884	196,627	27,170	11.8	5,510	(NA)	(NA)	30.3	31.2	25.2

NA Not available. ¹Beginning 1950, current definition. For explanation of change, see text, pp. 2 and 3. ²Excludes Alaska and Hawaii. ³The revised 1970 resident population count is 203,302,031, which incorporates changes due to errors found after tabulations were completed. The race and sex data shown here reflect the official 1970 census count while the residence data come from the tabulated count. See text, pp. 1-4. ⁴The data shown for April 1, 1980 are consistent with the 1980 Census of Population and Housing, Advance Reports, PHC80-V total count of 226,504,825. The race data shown for April 1, 1980 have been modified. See text, pp. 1-4, for explanation.

NO. 29. RATIO OF MALES TO FEMALES, BY AGE GROUP, 1910 TO 1981, AND BY RACE, 1981

[Represents number of males per 100 females. Total resident population]

AGE (years)	1910 (Apr. 15)	1920 (Jan. 1)	1930 (Apr. 1)	1940 (Apr. 1)	1950 (Apr. 1)	1960 (Apr. 1)	1970 (Apr. 1)	1980 (Apr. 1)	1981 (July 1)		
									Total ¹	White	Black
All ages	106.9	¹ 104.1	² 102.5	100.7	98.6	97.1	94.8	94.5	94.6	95.2	99.7
Under 14	102.1	102.1	102.6	103.0	103.7	103.4	103.8	³ 104.6	104.7	105.3	101.6
14-24	101.2	97.3	98.4	98.9	96.2	96.7	96.7	³ 101.7	102.3	103.1	97.0
25-44	110.2	105.1	101.8	98.5	96.4	95.7	95.5	97.4	97.7	99.6	85.7
45-64	114.4	115.2	109.1	105.2	100.1	95.7	91.6	90.7	90.7	91.9	80.4
65 and over	101.1	101.3	100.5	95.5	82.8	82.8	72.1	67.6	67.3	67.0	67.2

¹Includes other races, not shown separately. ²Includes "age not reported." ³Persons under 15 years old.
⁴Persons 15-24 years old.

NO. 30. RESIDENT POPULATION, BY SEX, RACE, AND AGE: 1970 TO 1981

[In thousands. Estimates as of July 1, except 1970 and 1980 enumerated as of April 1. Excludes Armed Forces overseas. See also *Historical Statistics, Colonial Times to 1970*, Series A119-134]

YEAR	Total ¹	Female	White	Black	Under 5 yrs. old	5-13 yrs. old	14-17 yrs. old	18-24 yrs. old	25-44 yrs. old	45-64 yrs. old	65 yrs. old and over	18 yrs. old and over
1970 ²	203,235	98,926	178,098	22,581	17,163	36,675	15,851	23,714	48,024	41,837	19,973	133,546
1971	206,827	100,738	180,938	23,143	17,244	36,236	16,326	25,346	48,647	42,484	20,662	137,021
1972	209,284	101,964	182,799	23,572	17,101	35,679	16,637	25,719	50,243	42,685	21,019	139,667
1973	211,357	102,982	184,316	23,954	16,851	35,046	16,864	26,318	51,528	43,227	21,525	142,597
1974	213,342	103,890	185,745	24,326	16,487	34,465	17,033	26,854	52,627	43,513	22,061	145,357
1975	215,465	104,676	187,216	24,696	16,121	33,919	17,125	27,735	54,074	43,794	22,696	148,300
1976	217,583	105,859	188,693	25,079	15,617	33,516	17,117	28,398	55,635	44,001	23,279	151,313
1977	219,760	106,880	190,271	25,472	15,584	32,855	17,042	28,924	57,341	44,142	23,892	154,299
1978	222,095	107,963	191,960	25,886	15,735	32,094	16,944	29,365	59,178	44,278	24,502	157,322
1979	224,587	109,132	193,736	26,310	16,063	31,431	16,810	29,794	61,152	44,384	25,134	160,483
1980 ³	226,505	110,032	194,779	26,824	16,344	31,156	16,244	30,013	62,707	44,497	25,545	162,761
1981	229,307	111,423	196,627	27,170	16,939	30,656	15,565	30,176	65,254	44,465	26,254	166,147

¹Includes other races not shown separately. ²See footnote 3, table 28. ³See footnote 4, table 28.

Source of tables 28-30: U.S. Bureau of the Census, *U.S. Census of Population: 1980*, vol. II; 1980, vol. II, part 1, and vol. IV, part 1, 1950, vol. II, part 1, 1960, vol. I; 1970, vol. I, part B; 1980 Census of Population and Housing, Advance Report, PHC 80-V; and Current Population Reports, series P-25, No. 917

No. 31. RESIDENT POPULATION, BY AGE, SEX, AND RACE: 1970 TO 1981

[In thousands, except as indicated. 1970 and 1980 data based on enumerated population as of April 1. Other years based on estimated population as of July 1. Excludes Armed Forces overseas. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A119-134]

YEAR, SEX, AND RACE	Total, all years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-74 years	75 years and over	5-13 years	14-17 years	18-24 years	16 years and over	16 years and over	Median age (yr.)
1970, total ¹	203,236	17,163	19,969	20,904	19,094	16,363	13,496	11,437	11,113	11,266	12,124	11,111	9,979	8,623	12,443	7,530	36,675	15,851	23,714	141,268	133,546	28.0
Male	98,926	8,750	10,175	10,596	9,641	7,925	6,626	5,599	5,416	5,823	5,655	5,351	4,769	4,030	5,440	2,927	18,697	8,069	11,563	67,347	63,419	26.8
Female	104,309	8,413	9,794	10,208	9,443	8,438	6,859	5,838	5,697	6,166	6,269	5,759	5,210	4,593	7,002	4,603	17,967	7,782	12,131	73,920	70,127	29.3
White	176,096	14,464	16,941	17,724	16,412	14,327	11,850	10,000	9,749	10,633	10,868	10,019	9,021	7,818	11,300	6,972	31,171	13,579	20,655	125,520	118,884	28.9
Male	88,906	7,396	8,656	9,056	8,314	6,966	5,669	4,942	4,796	5,207	5,270	4,642	4,319	3,655	4,925	2,690	15,929	6,931	10,133	60,034	56,650	27.6
Female	91,192	7,068	8,285	8,667	8,098	7,361	5,980	5,058	4,951	5,426	5,598	5,178	4,702	4,163	6,374	4,283	15,242	6,848	10,521	65,496	62,234	30.1
Black	22,581	2,434	2,749	2,812	2,425	1,816	1,429	1,254	1,198	1,199	1,124	990	874	734	1,043	501	5,009	2,073	2,721	14,063	13,065	22.4
Male	10,749	1,220	1,378	1,406	1,203	841	658	568	541	544	520	459	405	335	461	207	2,510	1,038	1,282	6,476	5,981	21.0
Female	11,832	1,214	1,371	1,404	1,222	975	771	685	656	655	603	531	469	400	582	293	2,499	1,035	1,438	7,577	7,084	23.6
1980, total ¹	228,506	16,344	16,697	16,241	21,162	21,313	19,518	17,558	13,963	11,668	11,066	11,709	11,614	10,086	16,578	9,967	(NA)	(NA)	(NA)	(NA)	(NA)	30.0
Male	110,032	8,360	8,538	9,315	10,752	10,860	9,703	8,676	8,860	5,706	5,386	5,620	5,481	4,669	6,755	3,547	(NA)	(NA)	(NA)	(NA)	(NA)	28.8
Female	116,473	7,984	8,159	8,926	10,410	10,652	9,814	8,882	7,103	5,961	5,701	6,089	6,133	5,416	8,822	6,419	(NA)	(NA)	(NA)	(NA)	(NA)	31.3
White	194,779	13,425	13,725	15,103	17,686	18,079	16,668	15,164	12,126	10,113	9,695	10,362	10,395	9,078	14,045	9,116	(NA)	(NA)	(NA)	(NA)	(NA)	30.9
Male	94,960	6,867	7,038	7,733	9,010	9,106	8,369	7,569	6,016	4,992	4,756	5,017	4,929	4,221	6,095	3,220	(NA)	(NA)	(NA)	(NA)	(NA)	29.6
Female	99,819	6,537	6,687	7,369	8,675	8,973	8,299	7,595	6,110	5,121	4,939	5,345	5,466	4,857	7,950	5,896	(NA)	(NA)	(NA)	(NA)	(NA)	32.2
Black	26,624	2,452	2,503	2,687	3,000	2,741	2,334	1,899	1,465	1,258	1,148	1,133	1,040	873	1,343	747	(NA)	(NA)	(NA)	(NA)	(NA)	24.9
Male	12,582	1,236	1,262	1,351	1,497	1,309	1,091	876	666	569	518	506	468	366	567	281	(NA)	(NA)	(NA)	(NA)	(NA)	23.6
Female	14,042	1,216	1,242	1,336	1,503	1,433	1,244	1,023	800	688	630	627	572	487	776	468	(NA)	(NA)	(NA)	(NA)	(NA)	26.2
1981, total	229,307	16,939	16,045	16,241	20,378	21,731	20,067	18,737	14,407	12,043	10,965	11,545	11,600	10,336	16,993	10,361	30,656	15,565	30,176	174,327	166,147	30.3
Male	111,423	8,667	8,204	9,321	10,363	10,914	9,995	9,273	7,087	5,896	5,342	5,546	5,474	4,782	6,892	3,668	15,671	7,940	15,191	83,316	79,146	29.1
Female	117,884	8,272	7,841	8,921	10,015	10,818	10,072	9,463	7,320	6,147	5,643	5,999	6,126	5,553	9,000	6,693	14,984	7,628	14,985	91,011	87,002	31.6
White	196,627	13,799	13,153	15,051	16,956	18,347	17,073	16,127	12,469	10,432	9,574	10,186	10,360	9,299	14,322	9,459	25,198	12,914	25,397	151,514	144,716	31.2
Male	95,877	7,061	6,745	7,710	8,842	9,268	8,584	8,062	6,205	5,156	4,701	4,939	4,917	4,322	6,221	3,325	12,916	6,601	12,848	72,751	69,279	29.9
Female	100,750	6,716	6,409	7,341	8,313	9,079	8,489	8,064	6,284	5,277	4,873	5,246	5,443	4,977	8,102	6,135	12,281	6,312	12,549	78,764	75,439	32.5
Black	27,170	2,624	2,405	2,695	2,927	2,855	2,443	2,061	1,512	1,268	1,146	1,130	1,046	887	1,363	785	4,570	2,263	4,049	18,895	17,712	25.2
Male	12,846	1,324	1,212	1,356	1,464	1,379	1,147	954	668	583	517	503	468	391	571	292	2,302	1,137	1,972	8,678	8,084	23.9
Female	14,323	1,300	1,193	1,339	1,463	1,477	1,296	1,107	824	706	631	628	579	486	791	493	2,268	1,126	2,077	10,217	9,628	26.5
Percent:																						
1970	100.0	8.4	9.8	10.2	9.4	8.1	6.6	5.6	5.5	5.9	6.0	5.5	4.9	4.2	6.1	3.7	18.0	7.8	11.7	69.5	65.7	(x)
1980	100.0	7.2	7.4	8.1	9.3	9.4	8.6	7.8	6.2	5.2	4.9	5.2	5.1	4.5	6.9	4.4	(NA)	(NA)	(NA)	(NA)	(NA)	(x)
1981, total	100.0	7.4	7.0	8.0	6.9	9.5	6.8	8.2	6.3	5.3	4.8	5.0	5.1	4.5	6.9	4.5	13.4	6.8	13.2	76.0	72.5	(x)
Male	100.0	7.8	7.4	8.4	9.3	9.8	9.0	8.3	6.4	5.3	4.8	5.0	4.9	4.3	6.2	3.3	14.1	7.1	13.6	74.8	71.0	(x)
Female	100.0	7.0	6.7	7.6	8.5	9.2	8.5	8.0	6.2	5.2	4.8	5.1	5.2	4.7	7.6	5.7	12.7	6.5	12.7	77.2	73.8	(x)
White	100.0	7.0	6.7	7.7	8.6	9.3	8.7	8.2	6.4	5.3	4.9	5.2	5.3	4.7	7.3	4.8	12.8	6.6	12.9	77.1	73.6	(x)
Black	100.0	9.7	8.9	9.9	10.8	10.5	9.0	7.6	5.6	4.7	4.2	4.2	3.8	3.3	5.0	2.9	16.8	8.3	14.9	69.5	65.2	(x)

NA Not available. X Not applicable. ¹Includes other races, not shown separately. ²The 1970 resident population count is 203,302,031; the difference of 66,733 is due to errors found after tabulations were completed. ³The data shown for April 1, 1980 are consistent with the 1980 Census of Population and Housing, Advance Reports, PHC80-V total count of 226,504,825. ⁴The race data shown for April 1, 1980 have been modified. See text, pp. 1-4, explanation.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1; and *Current Population Reports*, series P-25, No. 917.

No. 32. RESIDENT POPULATION.

(In thousands. As of April 1. See Historical Statistics, Colonial Times to 1970.)

DIVISION AND STATE	Total	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years
U.S.	226,546	16,348	16,708	18,242	21,168	21,319	19,521	17,661	13,986	11,869	11,080	11,710
New Eng.	12,348	768	832	1,005	1,173	1,148	1,031	888	767	616	607	884
Maine	1,125	79	84	94	107	88	92	87	67	56	55	57
N.H.	921	63	68	77	88	84	70	78	60	47	44	46
Vt.	511	36	38	43	51	49	45	42	32	25	24	24
Mass.	5,737	337	375	481	548	553	489	446	349	279	278	307
R.I.	847	57	61	74	90	90	78	70	54	44	45	53
Conn.	3,108	186	206	256	288	272	249	242	204	185	162	177
Mid. Atl.	36,787	2,347	2,498	2,844	3,560	3,185	2,848	2,783	2,288	1,928	1,908	2,125
N.Y.	17,558	1,136	1,185	1,408	1,589	1,520	1,428	1,352	1,107	938	912	997
N.J.	7,366	463	508	606	671	615	574	584	480	400	394	433
Pa.	11,864	747	805	932	1,081	1,060	945	848	682	592	600	696
E. No. Cent.	41,882	3,080	3,178	3,456	3,872	3,841	3,588	3,163	2,508	2,128	2,030	2,192
Ohio	10,788	787	821	887	1,008	1,005	908	816	641	559	539	588
Ind.	5,480	419	433	455	530	519	483	412	332	282	267	283
Ill.	11,427	842	850	919	1,067	1,073	986	889	701	593	559	602
Mich.	8,282	685	727	802	901	894	807	708	584	485	446	485
Wia.	4,706	347	345	392	487	450	402	348	272	230	220	233
W. No. Cent.	17,183	1,300	1,252	1,349	1,838	1,828	1,458	1,261	982	843	812	863
Minn.	4,078	307	296	333	400	394	383	313	246	203	187	193
Iowa.	2,914	222	211	232	278	272	243	208	181	141	136	146
Mo.	4,917	354	356	382	461	445	398	354	292	249	243	254
N. Dak.	653	55	49	51	64	69	59	46	34	29	29	30
S. Dak.	691	58	53	54	69	67	57	46	35	31	31	34
Nebr.	1,570	123	118	121	147	149	135	114	88	75	74	77
Kans.	2,384	161	168	175	218	233	203	172	135	114	113	119
S. Atl.	36,858	2,482	2,682	2,838	3,428	3,444	3,123	2,878	2,317	1,942	1,830	1,806
Del.	594	41	42	48	60	58	50	45	37	31	31	32
Md.	4,217	272	283	357	405	392	371	354	291	238	219	228
D.C.	638	34	37	42	56	70	66	56	41	33	30	33
Va.	5,347	381	388	431	508	531	478	450	386	297	272	274
W. Va.	1,950	146	153	157	174	173	161	145	110	98	83	105
N.C.	5,882	404	448	482	568	580	503	461	368	314	297	304
S.C.	3,122	239	254	266	317	314	273	244	192	158	150	149
Ge.	5,483	415	447	470	531	516	481	449	356	291	267	261
Fla.	9,746	570	622	685	811	811	740	672	554	485	471	518
E. So. Cent.	14,886	1,121	1,173	1,228	1,421	1,364	1,210	1,089	872	756	711	729
Ky.	3,661	263	289	302	354	348	309	276	218	187	174	180
Tenn.	4,591	326	350	370	430	423	388	357	288	246	231	234
Ala.	3,894	296	314	328	377	361	315	283	229	201	192	197
Miss.	2,521	215	219	226	258	234	197	172	138	122	114	116
W. So. Cent.	23,747	1,838	1,928	1,968	2,272	2,318	2,088	1,820	1,440	1,198	1,130	1,142
Ark.	2,286	178	180	185	214	194	174	161	134	114	107	110
La.	4,206	382	346	372	426	420	369	312	244	206	183	201
Okl.	3,025	233	230	231	279	284	253	223	182	155	149	150
Tex.	14,229	1,169	1,170	1,180	1,352	1,420	1,302	1,124	880	723	681	680
Mt.	11,373	884	918	926	1,067	1,138	1,048	825	708	578	523	517
Mont.	787	64	60	63	75	74	72	61	48	40	36	37
Idaho	844	64	63	78	88	88	82	73	58	47	41	40
Wyo.	470	45	39	37	43	51	49	39	29	24	21	21
Colo.	2,890	216	213	226	269	303	303	267	194	153	138	133
N. Mex.	1,303	115	110	114	132	125	115	101	78	67	62	60
Ariz.	2,718	214	211	220	252	264	236	208	163	135	125	127
Utah	1,481	180	146	126	138	158	135	106	79	64	57	56
Neu.	800	56	56	62	70	77	78	69	57	48	43	43
Pac.	31,800	2,328	2,244	2,430	2,849	3,145	3,020	2,718	2,892	1,880	1,641	1,584
Wash.	4,132	306	296	322	389	401	380	355	273	214	183	199
Oreg.	2,633	198	189	203	226	238	254	228	171	133	119	124
Calif.	23,668	1,708	1,650	1,796	2,130	2,386	2,233	2,010	1,562	1,262	1,164	1,198
Alaska	402	39	35	34	37	45	48	42	31	23	18	16
Hawaii	965	78	73	75	86	106	85	84	64	47	45	49

BY AGE—STATES: 1980

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55-59 years	60-64 years	65-74 years	75 years and over	5-13 years	14-17 years	18-24 years	25-44 years	45-64 years	18 years and over	Median age (yr.)	DIVISION AND STATE
11,815	19,909	15,581	9,909	31,156	18,247	30,022	62,717	44,503	162,791	30.0	U.S.
970	585	806	625	1,625	901	1,631	3,379	2,536	9,909	31.2	New Eng.
57	51	82	59	159	84	141	302	219	803	30.4	Maine.
45	40	62	41	129	67	121	264	175	663	30.1	N.H.
24	21	34	24	72	38	71	145	92	368	29.4	Vt.
311	277	423	304	736	415	784	1,563	1,173	4,247	31.1	Mass.
58	49	76	51	120	66	129	245	203	704	31.7	R.I.
179	157	220	145	407	231	365	860	674	2,285	32.0	Conn.
2,121	1,842	2,767	1,784	4,817	2,939	4,532	9,909	7,993	28,965	32.0	Mld. Atl.
979	841	1,292	868	2,291	1,261	2,158	4,823	3,728	12,870	31.8	N.Y.
430	366	531	329	966	542	872	2,018	1,624	5,374	32.2	N.J.
712	633	944	587	1,540	836	1,502	3,067	2,841	6,741	32.1	Pa.
2,154	1,833	2,706	1,788	5,916	3,070	5,560	11,356	8,209	29,616	29.5	E. No. Cent.
582	489	707	463	1,526	782	1,414	2,923	2,197	7,703	29.9	Ohio.
278	234	350	235	794	406	737	1,488	1,062	3,872	29.2	Ind.
563	510	761	500	1,578	823	1,508	3,149	2,265	8,163	29.9	Ill.
471	393	557	356	1,384	703	1,258	2,544	1,796	6,510	28.8	Mich.
229	207	330	234	654	357	643	1,252	889	3,348	29.4	Wis.
948	761	1,251	948	2,319	1,233	2,312	4,546	3,273	12,331	29.9	W. No. Cent.
189	171	270	209	560	305	558	1,126	740	2,904	29.2	Minn.
146	133	215	173	394	210	386	752	560	2,088	30.0	Iowa.
255	225	381	267	658	350	638	1,293	977	3,554	30.8	Mo.
29	28	47	33	89	47	97	168	116	462	28.1	N. Dak.
34	31	51	41	96	51	95	169	130	485	28.8	S. Dak.
75	68	114	92	214	110	211	413	293	1,123	29.7	Nebr.
120	108	173	133	308	160	327	624	457	1,715	30.1	Kans.
1,910	1,715	2,788	1,804	5,008	2,626	4,666	10,257	7,300	26,842	30.7	S. Atl.
32	27	37	23	60	45	83	163	122	428	29.7	Del.
223	160	247	148	574	322	552	1,253	850	3,049	30.3	Md.
34	29	46	28	70	39	97	197	127	495	31.0	D.C.
268	221	318	187	729	384	742	1,591	1,035	3,872	29.8	Va.
105	93	147	91	278	136	243	513	396	1,390	30.4	W. Va.
296	255	388	216	832	422	822	1,646	1,152	4,224	29.6	N.C.
150	129	190	98	464	239	447	867	578	2,180	28.0	S.C.
247	216	331	188	819	412	732	1,577	991	3,817	28.6	Ga.
555	565	1,059	628	1,182	627	1,140	2,450	2,109	7,387	34.7	Fla.
711	626	1,089	625	2,144	1,083	1,947	3,928	2,777	10,300	29.3	E. So. Cent.
178	154	249	161	526	272	492	990	686	2,578	29.1	Ky.
230	200	323	195	643	329	601	1,278	895	3,293	30.1	Tenn.
190	169	278	162	574	292	515	1,028	748	2,732	29.2	Ala.
113	104	160	109	399	200	339	630	446	1,708	27.6	Miss.
1,086	934	1,519	948	3,483	1,728	3,261	6,557	4,304	16,583	29.5	W. So. Cent.
114	110	192	120	327	168	278	583	442	1,615	30.6	Ark.
189	162	255	149	640	328	595	1,131	745	2,875	27.3	La.
150	131	225	151	413	208	402	813	580	2,170	30.1	Okla.
643	532	847	524	2,113	1,024	1,986	4,030	2,537	9,923	28.0	Tex.
508	446	672	389	1,658	886	1,582	3,277	1,994	7,915	28.0	Mt.
37	35	52	33	110	57	104	221	145	555	29.0	Mont.
41	38	58	35	146	67	123	260	161	637	27.5	Idaho.
19	16	23	14	69	32	69	142	76	324	27.0	Wyo.
126	103	149	99	394	196	418	916	499	2,081	28.6	Colo.
58	49	75	41	200	103	176	362	229	885	27.3	N. Mex.
133	124	202	105	366	192	369	742	509	1,927	29.2	Ariz.
53	46	66	41	248	102	216	384	212	921	24.2	Utah.
42	36	46	20	105	55	105	250	163	585	30.2	Nev.
1,086	1,336	1,976	1,280	4,178	2,150	4,339	9,511	9,909	23,142	29.8	Pac.
204	179	263	166	554	280	554	1,232	775	2,993	29.8	Wash.
130	116	185	119	351	174	331	785	491	1,910	30.2	Oreg.
1,202	992	1,471	943	3,079	1,602	3,252	7,058	4,555	17,279	29.9	Calif.
13	8	8	3	62	29	60	145	55	271	28.0	Alaska.
47	36	49	27	132	65	142	291	160	689	28.3	Hawaii.

Source: U.S. Bureau of the Census, 1980 Census of Population, vol. I, part B.

No. 33. RESIDENT POPULATION BY AGE—STATES: 1981

[In thousands, except percent. As of July 1. See *Historical Statistics, Colonial Times to 1870*, series A 204-209 for decennial census data.]

DIVISION AND STATE	Total	Under 5 years	5-13 years	14-17 years	18-24 years	25-44 years	45-64 years	65 years and over	18 years and over	PERCENT		
										Under 5 years	5 to 17 years	65 years and over
U.S.	229,307	18,930	30,606	15,546	30,176	65,254	44,406	26,253	106,147	7.4	20.2	11.4
N.E.	12,444	773	1,680	809	1,653	3,817	2,519	1,664	9,242	6.2	19.5	12.6
Maine	1,133	80	154	81	143	312	219	144	818	7.1	20.8	12.7
N.H.	836	65	125	65	122	276	175	106	680	6.9	20.4	11.4
Vt.	516	37	70	36	72	150	92	59	373	7.2	20.4	11.5
Mass.	5,773	344	706	400	790	1,631	1,163	739	4,323	6.0	19.2	12.6
R.I.	853	56	115	64	130	255	200	130	716	6.1	18.9	12.6
Conn.	3,134	189	390	222	394	693	670	376	2,333	6.0	18.5	12.0
M.A.	36,976	2,587	4,660	2,634	4,590	10,200	7,906	4,640	27,396	6.9	19.5	12.8
N.Y.	17,602	1,154	2,214	1,213	2,181	4,953	3,700	2,187	13,021	6.6	19.5	12.4
N.J.	7,404	471	950	521	887	2,081	1,612	893	5,462	6.4	19.9	11.9
Pa.	11,871	762	1,486	801	1,492	3,166	2,593	1,571	8,822	6.4	19.3	13.2
E.N.C.	41,666	3,146	5,739	2,808	5,520	11,899	8,673	4,806	29,867	7.5	20.8	11.1
Ohio	10,781	804	1,480	740	1,401	2,996	2,159	1,199	7,757	7.5	20.6	11.1
Ind.	5,468	422	771	382	730	1,520	1,043	599	3,893	7.7	21.1	11.0
Ill.	11,462	871	1,542	778	1,503	3,245	2,235	1,266	8,270	7.6	20.2	11.2
Mich.	9,204	691	1,306	665	1,240	2,605	1,754	940	6,539	7.5	21.4	10.2
Wis.	4,742	357	636	339	646	1,301	882	576	3,406	7.5	20.6	12.2
W.N.C.	17,237	1,337	2,279	1,154	2,296	4,899	3,235	2,235	12,466	7.8	19.9	12.6
Minn.	4,094	315	548	284	559	1,167	733	480	2,946	7.7	20.3	12.0
Iowa	2,899	224	385	197	379	771	550	394	2,093	7.7	20.1	13.6
Mo.	4,941	386	645	329	641	1,336	999	658	3,801	7.4	19.7	13.3
N. Dak.	658	57	90	44	94	176	116	62	496	8.6	20.3	12.4
S. Dak.	686	60	94	47	92	173	127	92	464	8.8	20.6	12.5
Nebr.	1,577	127	212	103	206	426	290	206	1,134	8.0	20.0	13.2
Kans.	2,363	188	307	150	324	649	454	311	1,736	7.9	19.2	13.1
S.A.	37,751	2,589	4,937	2,546	4,953	10,739	7,483	4,534	27,679	6.9	19.8	12.8
Del.	598	43	77	42	85	169	121	62	436	7.2	20.0	10.3
Md.	4,263	283	550	310	565	1,296	851	409	3,121	6.6	20.2	9.6
D.C.	631	37	66	37	94	200	123	74	492	5.8	16.2	11.5
Va.	5,430	371	712	370	759	1,653	1,042	523	3,977	6.8	19.9	9.6
W. Va.	1,852	146	275	131	237	529	391	243	1,400	7.5	20.9	12.4
N.C.	5,953	412	814	407	826	1,707	1,159	629	4,320	6.9	20.5	10.6
S.C.	3,187	246	457	226	452	904	679	300	2,235	7.8	21.7	9.6
Ga.	5,574	433	810	401	747	1,645	1,093	535	3,930	7.8	21.7	9.6
Fla.	10,183	618	1,176	620	1,187	2,637	2,186	1,759	7,769	6.1	17.6	17.3
E.S.C.	14,723	1,139	2,104	1,042	1,934	4,043	2,763	1,898	10,438	7.7	21.4	11.6
Ky.	3,662	266	518	257	487	1,017	679	418	2,602	7.6	21.2	11.4
Tenn.	4,612	332	629	315	596	1,315	893	533	3,336	7.2	20.5	11.5
Ala.	3,917	302	564	260	512	1,062	746	452	2,772	7.7	21.5	11.5
Miss.	2,531	220	393	191	336	650	445	295	1,726	8.7	23.1	11.7
W.S.C.	24,470	2,067	3,542	1,680	3,316	6,966	4,392	2,527	17,190	8.4	21.3	10.5
Ark.	2,296	178	324	160	279	600	437	320	1,634	7.8	21.1	13.9
La.	4,306	381	640	321	603	1,195	753	414	2,965	8.9	22.3	9.6
Okl.	3,100	246	421	196	406	856	699	382	2,235	7.9	20.0	12.3
Tex.	14,766	1,252	2,157	1,001	2,027	4,304	2,613	1,412	10,356	8.5	21.4	9.6
Mt.	11,694	1,060	1,690	779	1,587	3,458	2,099	1,111	6,164	9.0	21.8	9.6
Mont.	793	67	110	54	102	229	145	87	563	8.4	20.6	11.0
Idaho	959	96	149	65	121	270	161	98	650	10.0	22.2	10.2
Wyo.	492	49	72	31	66	154	80	38	340	9.9	21.1	7.6
Colo.	2,965	229	394	190	423	967	508	255	2,153	7.7	19.7	8.6
N. Mex.	1,326	121	199	96	160	376	232	121	910	9.1	22.4	8.1
Ariz.	2,794	227	387	187	370	783	515	326	1,993	8.1	20.5	11.7
Utah	1,516	200	283	101	214	409	217	114	954	13.2	23.9	7.5
Nev.	645	62	107	55	109	269	171	72	422	7.3	19.1	8.5
Pac.	32,456	2,463	4,164	2,054	4,365	9,873	6,097	3,346	23,774	7.6	19.2	10.9
Wash.	4,217	321	554	268	554	1,297	775	448	3,074	7.6	19.5	10.6
Oreg.	2,651	204	348	165	321	614	484	315	1,939	7.7	19.3	11.9
Calif.	24,196	1,814	3,069	1,530	3,278	7,411	4,802	2,493	17,784	7.5	19.0	10.3
Alaska	412	42	63	29	60	150	56	12	279	10.1	22.1	3.0
Hawaii	991	82	132	63	141	301	180	81	703	6.4	19.6	6.2

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 913.

Persons by Age

31

NO. 34. PERSONS 15 TO 44 YEARS OLD, BY AGE-GROUP AND SEX: 1960 TO 1981

[As of July 1. Resident population. Minus sign (-) denotes decrease]

AGE AND SEX	PERSONS (millions)					PERCENT OF TOTAL POPULATION				PERCENT CHANGE		
	1960	1970	1975	1980	1981	1960	1970	1980	1981	1960-1970	1970-1980	1980-1981
15 to 24 years old	24.2	25.8	40.5	42.5	42.1	13.4	17.8	18.7	18.4	48.0	18.6	.8
Male	12.0	17.7	20.4	21.4	21.3	13.5	17.9	19.4	19.1	48.0	20.7	-7
Female	12.2	18.1	20.1	21.0	20.8	13.4	17.3	18.0	17.7	48.0	18.5	-1.0
25 to 34 years old	22.7	25.1	31.3	37.4	38.8	12.6	12.3	16.6	16.6	10.3	48.0	3.7
Male	11.1	12.3	15.5	18.6	19.3	12.6	12.4	16.6	17.3	10.6	50.8	3.8
Female	11.6	12.8	15.8	18.9	19.5	12.7	12.2	16.1	16.6	10.3	47.5	3.6
35 to 44 years old	24.1	23.0	22.8	25.8	26.4	13.4	11.3	11.4	11.8	-4.5	12.0	2.6
Male	11.8	11.2	11.1	12.7	13.0	13.3	11.3	11.5	11.7	4.7	12.9	2.5
Female	12.3	11.8	11.6	13.2	13.5	13.5	11.3	11.3	11.4	-4.2	11.2	2.4

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 519 and 917

NO. 35. PERSONS 65 YEARS OLD AND OVER—CHARACTERISTICS, BY SEX: 1960 TO 1981

CHARACTERISTIC	1960		1970		1975		1980 ¹		1981	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total ² (million)	7.5	9.0	8.3	11.5	8.7	11.5	10.0	14.2	10.1	13.8
Percent of total population	8.6	9.9	8.5	11.1	8.8	11.5	9.2	12.4	9.3	12.8
White ³ (million)	6.9	8.4	7.6	10.6	7.9	11.3	9.0	12.0	9.1	13.2
Black ³ (million)	.5	.6	.7	.9	.8	1.1	.9	1.2	.8	1.2
Age: ³										
65-69 years (percent)	3.3	3.7	3.2	3.7	3.5	4.1	3.5	4.2	3.5	4.2
70-74 years (percent)	2.6	2.8	2.3	3.0	2.4	3.0	2.6	3.4	2.6	3.5
75-79 years (percent)	1.6	1.9	1.6	2.2	1.5	2.2	1.7	2.5	1.7	2.6
80 years and over (percent)	1.2	1.6	1.4	2.3	1.5	2.7	1.6	3.0	1.6	3.1
Median income: ⁴										
Family householders (dollars)	2,831		4,779	4,988	7,489	7,722	11,331	11,256	12,985	12,285
Unrelated individuals (dollars)	1,008		2,101	1,777	3,410	2,801	5,189	4,537	5,746	4,957
Percent below poverty level: ⁵										
Family householders	29.7	31.5	16.6	23.5	7.9	12.3	8.4	13.0	8.2	14.0
Unrelated individuals	58.5	69.1	40.0	49.9	25.6	31.7	25.3	30.5	24.4	32.3
PERCENT DISTRIBUTION										
Marital status: ⁶										
Single	7.3	8.5	7.5	7.7	4.7	5.8	4.9	5.9	4.5	5.7
Married	71.7	38.8	73.1	35.6	79.3	39.1	78.0	39.5	79.3	39.4
Spouse present	69.0	35.0	69.9	33.9	77.3	37.6	76.1	37.9	77.0	37.6
Spouse absent	2.7	1.8	3.2	1.7	2.0	1.5	1.8	1.7	2.3	1.8
Widowed	19.4	53.1	17.1	54.4	13.6	52.5	13.5	51.2	12.6	51.3
Divorced	1.7	1.5	2.3	2.3	2.5	2.6	3.6	9.4	3.4	3.6
Family status: ⁷										
In families	82.3	67.7	79.2	56.5	83.3	69.3	83.0	68.8	83.4	68.6
Nonfamily householders	12.8	28.8	14.9	35.2	15.4	39.4	15.7	42.0	15.2	42.4
Secondary individuals	2.4	3.0	2.4	1.9	1.2	1.3	1.3	1.1	1.3	.9
Residents of institutions ⁸	2.5	2.4	3.6	4.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Living arrangements: ⁹										
Living in household	97.4	97.0	95.5	95.0	99.8	99.8	99.9	99.7	100.0	99.9
Living alone	(NA)	(NA)	14.1	33.6	14.8	36.0	14.9	41.0	14.3	41.4
Spouse present ⁹	73.2	38.9	33.9	33.9	77.3	37.6	76.1	37.9	77.0	37.6
Living with someone else	(NA)	(NA)	11.5	27.4	7.7	24.2	8.9	20.8	8.7	20.7
Not in household ¹⁰	2.6	3.0	4.5	5.0	.2	.2	1	.3	-	.1
Years of school completed:										
8 years or less	72.5	66.4	61.5	56.1	52.6	46.0	45.3	41.6	43.0	41.1
1-3 years of high school	10.4	12.8	12.6	13.9	14.0	15.5	15.5	16.7	16.2	16.5
4 years of high school	7.8	11.6	12.6	16.1	16.8	21.8	21.4	25.8	21.7	26.4
1-3 years of college	4.9	6.1	5.6	6.7	7.2	8.4	7.5	8.6	6.1	8.3
4 years or more of college	4.3	3.2	7.8	5.2	9.4	6.3	10.3	7.4	11.0	6.8
Labor force participation: ¹¹										
Employed	30.9	9.9	26.2	10.0	21.1	7.6	16.5	7.9	17.8	7.7
Unemployed	1.7	.4	1.0	.3	1.2	.4	.8	.3	.5	.3
Not in labor force	67.3	89.7	72.8	89.7	77.7	91.8	80.9	91.9	81.6	92.0

- Represents or rounds to zero. NA Not available. ¹Population controls based on 1980 census; see text, p. 2.

²Resident population as of March. Beginning 1975, excludes institutional population. ³Estimated total resident population as of July 1.

⁴Income for preceding year. For definition of median, see Guide to Tabular Presentation. ⁵Poverty status based on income in preceding year.

⁶For 1960 includes a small number of "spouse present" in group quarters. ⁷In institutions and other group quarters. ⁸Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Source: Except as noted, U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 372 and earlier reports; series P-23, Nos. 57 and 58; series P-25, No. 917; and series P-80, No. 132 and earlier reports.

No. 36. RESIDENT POPULATION, BY RACE AND SPANISH ORIGIN, BY STATE: 1980

[In thousands. For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series A199-201]

REGION, DIVISION AND STATE	Total	White	Black	Ameri- can Indian ¹	Chi- nese	Filipi- no	Japa- nese	Asian Indian	Kore- an	Viet- namese	All other races	Span- ish origin ²
U.S.....	228,548	188,372	28,496	1,420.4	806.0	774.7	701.0	391.8	354.6	261.7	6,999.2	14,806
Regions:												
Northeast.....	49,135	42,326	4,848	79.0	217.7	75.1	46.9	120.8	68.2	24.9	1,328.0	2,604
No. Central.....	58,898	52,196	5,337	248.4	72.9	60.0	44.5	85.2	62.3	36.7	704.0	1,277
South.....	75,372	58,960	14,048	372.2	90.6	82.6	44.7	63.6	70.4	60.3	1,539.9	4,474
West.....	43,172	34,890	2,262	720.7	424.8	537.0	584.9	72.0	153.8	120.0	3,427.4	6,254
N. Eng.....	12,348	11,560	476	21.6	33.0	8.5	7.6	15.5	8.5	6.1	187.2	389
Maine.....	1,125	1,110	3	4.1	.5	.7	.3	.4	.5	.5	4.8	5
N.H.....	921	910	4	1.4	.8	.3	.4	.6	.5	.2	2.3	6
Vt.....	511	507	1	1.0	.3	.1	.2	.3	.3	.1	1.3	3
Mass.....	5,737	5,363	221	7.7	25.0	3.1	4.5	6.4	4.7	3.2	96.4	141
R.I.....	947	697	26	2.9	1.7	1.2	.5	.9	.6	.3	14.8	20
Conn.....	3,108	2,799	217	4.5	4.7	3.1	1.9	5.0	2.1	1.8	67.6	124
Md. Atl.....	36,787	30,741	4,374	67.4	184.8	66.6	39.1	106.2	59.5	16.9	1,140.8	2,306
N.Y.....	17,558	13,961	2,402	39.6	146.1	34.0	24.5	60.5	34.2	6.6	847.7	1,659
N.J.....	7,365	6,127	925	8.4	23.4	24.4	9.9	29.5	12.8	2.9	201.0	492
Pa.....	11,864	10,652	1,047	9.5	13.3	6.3	4.7	15.2	12.5	9.3	92.1	154
E. No. Cent.....	41,682	28,150	4,640	106.9	67.8	66.9	34.5	71.5	46.9	19.3	679.7	1,906
Ohio.....	10,796	9,597	1,077	12.2	9.9	7.4	5.5	13.1	7.3	3.5	64.5	120
Ind.....	5,490	5,004	415	7.8	4.0	3.6	2.4	4.3	3.3	2.3	43.3	87
Ill.....	11,427	9,233	1,675	16.3	26.6	43.9	18.6	36.7	24.0	7.0	343.7	638
Mich.....	9,262	7,872	1,199	40.0	11.0	11.2	5.9	14.7	6.7	4.2	96.1	162
Wis.....	4,706	4,443	163	29.5	4.1	2.7	2.2	3.7	2.6	2.2	33.1	63
W. No. Cent.....	17,183	16,044	788	142.5	16.3	11.2	6.9	13.7	16.3	17.3	124.3	289
Minn.....	4,078	3,936	53	35.0	4.8	2.7	2.8	3.7	6.3	5.9	25.7	32
Iowa.....	2,914	2,839	42	5.5	2.1	1.2	1.0	2.1	2.3	2.5	16.2	26
Mo.....	4,917	4,348	514	12.3	4.3	4.0	2.6	4.1	3.5	3.2	22.8	52
N. Dak.....	653	626	3	20.2	.3	.4	.2	.3	.3	.3	2.5	4
S. Dak.....	891	640	2	45.0	.3	.3	.3	.2	.3	.4	2.3	4
Nebr.....	1,570	1,490	46	9.2	1.1	.9	1.4	.9	1.0	1.4	15.1	26
Kans.....	2,364	2,166	126	15.4	2.4	1.7	1.6	2.4	2.6	3.7	39.6	63
So. Atl.....	36,969	36,969	7,652	116.7	50.5	59.5	25.1	46.2	44.7	28.5	277.5	1,194
Del.....	594	488	96	1.3	1.0	.8	.4	1.1	.5	.2	5.3	10
Md.....	4,217	3,158	958	8.0	14.5	11.0	4.8	13.7	15.1	4.1	28.8	65
D.C.....	636	172	449	1.0	2.5	1.3	.8	.9	.3	.5	10.3	18
Va.....	5,347	4,230	1,009	9.5	9.4	18.9	5.2	6.5	12.5	10.0	34.4	80
W. Va.....	1,950	1,875	65	1.6	.9	1.3	.4	1.6	.6	.3	3.2	13
N.C.....	5,882	4,458	1,319	84.7	3.2	2.5	3.2	4.7	3.6	2.4	21.2	57
S.C.....	3,122	2,147	949	5.8	1.4	3.7	1.4	2.2	1.4	1.1	9.1	33
Ga.....	5,463	3,947	1,485	7.6	4.3	2.8	3.4	4.3	6.0	2.3	20.1	61
Fla.....	9,746	6,185	1,343	19.3	13.4	14.2	5.6	9.1	4.7	7.6	145.2	858
E. So. Cent.....	14,666	11,702	2,839	22.5	7.8	6.7	4.3	8.6	6.7	6.1	34.2	120
Ky.....	3,661	3,379	259	3.6	1.3	1.4	1.1	2.2	2.1	1.1	9.4	27
Tenn.....	4,591	3,836	726	5.1	2.9	1.9	1.7	3.2	2.2	1.4	11.3	34
Ala.....	3,894	2,873	998	7.6	1.5	1.0	1.4	2.0	1.8	1.3	8.4	33
Miss.....	2,521	1,616	887	6.2	1.8	1.4	.7	1.2	.6	1.3	5.1	25
W. So. Cent.....	23,747	19,999	3,527	231.6	32.5	20.3	14.7	29.8	19.0	46.7	1,228.1	3,160
Ark.....	2,286	1,890	374	9.4	1.3	.9	.8	.8	.6	2.1	6.5	18
La.....	4,208	2,912	1,236	12.1	3.3	2.6	1.5	2.9	1.7	10.9	20.5	99
Okla.....	3,025	2,598	205	169.5	2.5	1.7	2.0	2.9	2.7	4.7	37.0	57
Tex.....	14,229	11,196	1,710	40.1	25.5	15.1	10.5	22.2	14.0	29.1	1,164.1	2,966
Mt.....	11,373	9,961	299	364.4	16.5	13.6	27.0	7.3	13.6	11.1	806.0	1,443
Mont.....	787	740	2	37.3	.3	.5	.8	.2	.3	.3	5.2	10
Idaho.....	944	902	3	10.5	.9	.7	2.6	.3	.6	.4	23.5	37
Wyo.....	470	448	3	7.1	.4	.3	.6	.2	.2	.2	10.8	24
Colo.....	2,890	2,571	102	18.1	3.9	2.9	9.9	2.3	5.3	4.0	170.4	340
N. Mex.....	1,303	978	24	108.1	1.4	1.2	1.3	.8	.7	1.0	186.7	477
Ariz.....	2,716	2,241	75	152.7	6.8	3.3	4.1	2.1	2.4	1.9	229.0	441
Utah.....	1,461	1,363	9	19.3	2.7	.9	5.5	.8	1.3	2.1	36.6	69
Nev.....	800	700	51	13.3	3.0	4.1	2.3	.6	2.1	1.1	22.7	54
Pac.....	31,800	24,929	1,906	366.4	406.3	523.2	538.0	64.7	140.8	166.6	2,740.8	4,811
Wash.....	4,132	3,779	105	60.8	18.1	24.4	26.4	4.0	13.1	9.8	90.8	120
Oreg.....	2,633	2,491	37	27.3	8.0	4.3	6.4	1.9	4.4	5.6	45.5	66
Calif.....	23,668	18,031	1,819	201.4	322.3	367.5	261.6	57.9	103.8	89.6	2,423.4	4,544
Alaska.....	402	310	14	64.1	.5	3.1	1.6	.2	1.5	.4	7.0	10
Hawaii.....	965	319	17	2.8	56.3	133.9	239.7	.6	18.0	3.5	173.8	71

¹ Includes Eskimo and Aleut. ² Persons of Spanish origin may be of any race.
Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter B.

NO. 37. RESIDENT POPULATION, BY SEX, RACE, AND SPANISH ORIGIN—STATES: 1980

[In thousands. As of April 1. See also *Historical Statistics, Colonial Times to 1970*, series A 197-200]

DIVISION AND STATE	WHITE		BLACK		SPANISH ORIGIN ¹		DIVISION AND STATE	WHITE		BLACK		SPANISH ORIGIN ¹	
	Male	Female	Male	Female	Male	Female		Male	Female	Male	Female	Male	Female
U.S.....	91,905	96,696	12,519	13,978	7,290	7,329	S.A.—Con.						
N.E.:							W. Va.....	910	965	30	35	6	6
Maine.....	539	571	2	1	3	2	N.C.....	2,177	2,281	628	693	30	27
N.H.....	443	467	2	2	3	3	S.C.....	1,057	1,090	448	501	17	16
Vt.....	247	260	1	(z)	2	2	Ga.....	1,929	2,019	688	779	31	30
Mass.....	2,551	2,812	105	116	66	73	Fla.....	3,928	4,256	637	708	414	444
R.I.....	427	470	13	14	10	10	E.S.C.:						
Conn.....	1,352	1,448	102	115	61	84	Ky.....	1,651	1,728	126	133	14	13
M.A.:							Tenn.....	1,862	1,973	339	387	17	17
N.Y.....	6,671	7,290	1,094	1,308	783	876	Ala.....	1,397	1,476	463	533	16	17
N.J.....	2,950	3,178	431	494	239	253	Miss.....	789	827	416	471	12	13
Pa.....	5,117	5,535	484	563	77	77	W.S.C.:						
E.N.C.:							Ark.....	919	971	175	199	9	9
Ohio.....	4,650	4,948	506	571	60	60	La.....	1,431	1,481	581	658	49	50
Ind.....	2,434	2,571	197	218	44	43	Okla.....	1,266	1,331	99	105	30	28
Ill.....	4,488	4,745	782	893	332	304	Tex.....	5,505	5,693	823	887	1,487	1,499
Mich.....	3,852	4,021	569	630	82	81	Mt.:						
Wis.....	2,178	2,265	87	95	33	30	Mont.....	369	371	1	1	5	5
W.N.C.:							Idaho.....	448	453	2	1	20	16
Minn.....	1,928	2,006	27	26	16	16	Wyo.....	229	218	2	1	13	12
Iowa.....	1,379	1,460	21	21	13	13	Colo.....	1,273	1,296	52	50	170	169
Mo.....	2,097	2,249	241	274	28	26	N. Mex.....	462	496	13	11	236	241
N. Dak.....	315	311	2	1	2	2	Ariz.....	1,009	1,142	39	36	220	220
S. Dak.....	315	324	1	1	2	2	Utah.....	684	698	5	4	31	30
Nebr.....	727	784	23	25	14	14	Nev.....	355	346	28	25	26	26
Kans.....	1,058	1,110	63	63	33	30	Pac.:						
S.A.:							Wash.....	1,871	1,909	57	48	64	57
Del.....	236	252	45	51	5	5	Oreg.....	1,223	1,268	19	18	35	30
Md.....	1,540	1,619	454	504	32	33	Calif.....	8,644	9,187	890	929	2,299	2,245
D.C.....	80	92	207	242	8	10	Alaska.....	166	144	8	6	5	4
Va.....	2,080	2,150	484	524	40	40	Hawaii.....	171	148	12	6	37	35

Z Fewer than 500. ¹ Persons of Spanish origin may be of any race.
Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. I, chapter B (PC 80-1-B).

NO. 38. BLACK POPULATION, BY AGE—STATES: 1980

[In thousands. As of April 1. Enumerated resident population. Excludes Armed Forces overseas. See text, pp. 1-3 for comments on 1980 census. For State totals, see table 36]

DIVISION AND STATE	Under 5 years	5-14 years	15-24 years	25-44 years	45-64 years	65 yr. and over	DIVISION AND STATE	Under 5 years	5-14 years	15-24 years	25-44 years	45-64 years	65 yr. and over
U.S.....	2,436	5,184	5,710	6,919	4,179	2,057	S.A.—Con.						
N.E.:							W. Va.....	5	11	14	14	12	10
Maine.....	(z)	1	1	1	(z)	(z)	N.C.....	114	258	296	330	207	114
N.H.....	(z)	1	1	1	(z)	(z)	S.C.....	80	193	214	235	140	77
Vt.....	(z)	(z)	(z)	(z)	(z)	(z)	Ga.....	142	296	319	384	206	119
Mass.....	19	43	50	64	32	13	Fla.....	134	277	286	343	202	101
R.I.....	3	5	6	7	4	2	E.S.C.:						
Conn.....	20	45	47	61	33	11	Ky.....	24	46	62	61	40	28
M.A.:							Tenn.....	67	140	160	177	110	71
N.Y.....	204	439	478	691	427	164	Ala.....	96	201	215	224	152	105
N.J.....	60	187	190	257	153	58	Miss.....	97	194	195	185	121	94
Pa.....	82	169	214	267	196	96	W.S.C.:						
E.N.C.:							Ark.....	41	78	79	76	53	48
Ohio.....	97	203	223	277	193	84	La.....	130	254	272	296	179	108
Ind.....	42	83	90	105	66	30	Okla.....	21	39	48	48	28	20
Ill.....	163	343	356	441	263	109	Tex.....	160	332	378	443	254	143
Mich.....	111	251	242	319	195	83	Mt.:						
Wis.....	20	43	41	49	22	7	Mont.....	(z)	(z)	1	1	(z)	(z)
W.N.C.:							Idaho.....	(z)	(z)	1	1	(z)	(z)
Minn.....	6	11	11	16	7	3	Wyo.....	(z)	1	1	1	(z)	(z)
Iowa.....	5	8	10	11	6	3	Colo.....	9	19	25	31	14	5
Mo.....	46	100	111	128	82	48	N. Mex.....	2	5	6	6	3	1
N. Dak.....	(z)	(z)	1	1	(z)	(z)	Ariz.....	7	14	18	20	10	5
S. Dak.....	(z)	(z)	1	1	(z)	(z)	Utah.....	1	1	3	2	1	(z)
Nebr.....	5	10	11	12	7	3	Nev.....	5	11	12	15	6	2
Kans.....	13	23	32	31	17	10	Pac.:						
S.A.:							Wash.....	10	19	27	30	15	5
Del.....	9	19	21	25	15	7	Oreg.....	4	7	8	10	5	2
Md.....	77	180	207	269	149	58	Calif.....	156	327	401	535	285	115
D.C.....	29	66	92	125	92	43	Alaska.....	2	2	4	5	1	(z)
Va.....	82	162	222	264	173	87	Hawaii.....	2	2	7	5	1	(z)

Z Fewer than 500.
Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. I, chapter B (PC80-1-B).

NO. 39. POPULATION OF SPANISH ORIGIN, BY AGE AND TYPE OF SPANISH ORIGIN—STATES: 1980

[In thousands. As of April 1. See also headnote, table 36]

DIVISION AND STATE	Total	AGE						TYPE OF SPANISH ORIGIN			
		Under 5 years	5-14 years	15-24 years	25-44 years	45-64 years	65 yr and over	Mexican	Puerto Rican	Cuban	Other Spanish
U.S.	14,808	1,883	3,012	3,192	4,071	1,981	708	8,740	2,014	803	3,051
M.E.	299	37	86	86	83	33	11	17	172	13	87
Maine	5	1	1	1	1	1	(2)	2	1	(2)	3
N.H.	6	1	1	1	2	1	(2)	1	1	(2)	3
Vt.	3	(2)	1	1	1	(2)	(2)	1	(2)	(2)	2
Mass.	141	18	32	32	39	15	5	7	76	7	51
R.I.	20	2	4	4	6	3	1	1	5	1	13
Conn.	124	16	29	27	35	14	4	4	88	6	26
N.E.	2,306	239	458	485	693	344	106	71	1,322	163	748
N.Y.	1,659	170	322	333	505	253	77	39	906	77	557
N.J.	492	51	101	99	147	72	21	13	244	81	154
Pa.	154	16	35	33	41	19	8	19	92	6	37
E.N.C.	1,088	138	231	240	288	128	36	673	197	29	169
Ohio	120	14	26	26	31	17	6	53	32	3	31
Ind.	87	11	19	19	22	12	4	58	13	2	15
Ill.	636	84	134	144	186	71	17	406	129	19	79
Mich.	182	20	38	36	42	20	7	112	12	4	34
Wis.	63	9	14	15	16	6	2	41	10	1	10
W.N.C.	208	27	44	48	54	25	10	148	9	4	48
Minn.	32	5	7	7	9	3	1	20	2	1	9
Iowa	26	3	6	6	6	3	1	18	1	(2)	6
Mo.	52	5	10	12	13	7	4	32	3	2	16
N. Dak.	4	1	1	1	1	(2)	(2)	2	(2)	(2)	1
S. Dak.	4	1	1	1	1	(2)	(2)	2	(2)	(2)	1
Nebr.	28	4	6	6	7	3	1	22	1	(2)	6
Kans.	63	9	13	15	16	7	3	50	3	1	10
S.A.	1,194	88	182	242	332	238	116	200	140	493	361
Del.	10	1	2	2	3	1	(2)	2	5	1	3
Md.	65	6	12	14	21	10	3	12	9	5	38
D.C.	18	1	2	4	7	3	1	3	1	1	12
Va.	80	7	14	16	26	11	4	24	10	5	41
W. Va.	13	1	2	2	3	2	1	6	1	(2)	6
N.C.	57	5	10	16	15	8	4	28	7	3	18
S.C.	33	3	6	9	9	5	2	18	4	2	10
Ga.	61	6	11	15	17	8	4	26	6	6	20
Fla.	668	54	124	161	233	191	96	79	■	470	214
E.S.C.	120	11	22	28	29	18	11	86	8	5	40
Ky.	27	2	5	7	7	4	2	14	3	1	10
Tenn.	34	3	6	8	9	6	3	19	2	2	12
Ala.	33	3	6	8	8	5	3	19	2	2	11
Miss.	25	2	5	6	6	3	2	15	1	1	8
W.S.C.	3,160	371	707	689	629	403	161	2,831	31	24	276
Ark.	18	2	4	4	4	2	1	11	1	1	6
La.	99	9	16	22	27	15	7	29	5	8	58
Okla.	57	6	12	14	15	6	2	39	3	1	16
Tex.	2,968	352	673	646	783	379	150	2,752	23	14	196
Mt.	1,443	170	310	321	384	186	72	898	14	7	463
Mont.	10	1	2	2	3	1	(2)	6	(2)	(2)	3
Idaho	37	5	8	9	9	3	1	26	(2)	(2)	8
Wyo.	24	3	5	6	7	3	1	16	(2)	(2)	8
Colo.	340	39	73	78	94	42	16	207	4	1	127
N. Mex.	477	51	99	105	125	67	30	234	2	1	241
Ariz.	441	55	99	97	115	56	20	396	4	1	39
Utah	60	8	14	14	15	6	2	38	1	(2)	21
Nev.	54	8	10	12	16	7	2	33	2	4	■
Pac.	4,811	584	989	1,083	1,369	687	198	2,777	129	84	960
Wash.	120	17	26	29	33	11	3	81	5	1	33
Oreg.	88	9	14	16	19	6	2	45	2	1	18
Calif.	4,544	547	932	1,029	1,295	581	180	3,837	93	61	753
Alaska	10	1	2	2	3	1	(2)	5	1	(2)	4
Hawaii	71	10	15	17	19	8	3	9	19	(2)	■

Z Fewer than 500.

Source: U.S. Bureau of the Census, 1980 Census of Population, vol. I, chapter B (PC80-1-B).

NO. 40. SPANISH-ORIGIN POPULATION, BY AGE AND SEX: 1980

[In thousands, except percent. As of April. See headnote, table 31]

ITEM	Total, all years	Under 5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65 years and over
Total	14,908	1,863	1,537	1,478	1,806	1,586	1,376	1,128	854	712	622	554	464	321	708
Male	7,280	848	783	747	827	819	697	558	416	345	300	270	217	147	305
Female	7,328	815	754	728	780	767	679	570	438	367	321	284	237	174	404
PERCENT DISTRIBUTION															
Total	100.0	11.4	10.5	10.1	11.0	10.8	8.4	7.7	6.5	4.8	4.3	3.8	3.1	2.2	4.9
Male	100.0	11.6	10.8	10.3	11.4	11.3	9.6	7.7	5.7	4.7	4.1	3.7	3.0	2.0	4.2
Female	100.0	11.1	10.3	9.9	10.6	10.5	8.3	7.8	6.0	5.0	4.4	4.0	3.2	2.4	5.5

Source: U.S. Bureau of the Census, 1980 Census of Population, vol. I, chapter B (PC80-1-B).

NO. 41. SOCIAL AND ECONOMIC CHARACTERISTICS OF POPULATION, BY RACE AND SPANISH ORIGIN: 1980

[In thousands, except as indicated. As of April. Provisional data based on the Early National Sample from the 1980 census; see text, p. 2 and Appendix H]

CHARACTERISTICS	RACE			Spanish origin ¹	CHARACTERISTICS	RACE			Spanish origin ¹
	White	Black	Asian and Pacific Islander			White	Black	Asian and Pacific Islander	
FAMILY TYPE					YEARS OF SCHOOL COMPLETED				
Total families.....	50,448	6,093	828	3,288	Persons 25 years and over.....	114,301	13,169	2,110	8,727
With own children ²	24,926	3,714	509	2,229	Elementary: 0-8 years.....	19,013	3,651	360	2,749
Married couple.....	43,327	3,488	700	2,483	High school:				
With own children ²	21,222	2,000	449	1,682	1-3 years.....	16,736	2,867	185	1,087
Female householder ³	5,590	2,273	90	651	4 years.....	40,628	3,802	508	1,607
With own children ²	3,136	1,565	51	472	College:				
Male householder ³	1,531	354	38	174	1-3 years.....	18,307	1,783	371	788
With own children ²	568	149	10	64	4 or more years.....	19,817	1,106	666	515
Percent distribution:					Percent distribution:				
Total families.....	100.0	100.0	100.0	100.0	Elementary: 0-8 years.....	16.8	27.7	17.1	40.9
With own children ²	49.4	61.0	61.5	67.8	High school:				
Married couple.....	85.9	56.9	84.5	74.9	1-3 years.....	14.6	21.7	8.8	15.9
With own children ²	42.1	32.8	54.2	51.5	4 years.....	35.5	28.8	24.1	23.9
Female householder ³	11.1	37.3	10.9	19.8	College:				
With own children ²	6.2	25.7	6.2	14.4	1-3 years.....	16.0	13.4	17.6	11.7
Male householder ³	3.0	5.8	4.6	5.3	4 or more years.....	17.2	8.4	32.5	7.7
With own children ²	1.1	2.4	1.2	1.9	LABOR FORCE STATUS				
FAMILY INCOME, 1979					Persons 16 yr old and over.....	145,447	18,307	2,688	9,580
Total families.....	50,448	6,093	828	3,288	In labor force.....	90,507	10,838	1,788	6,075
Less than \$5,000.....	2,787	1,183	88	454	Percent.....	62.2	59.2	66.3	63.4
\$5,000-\$9,999.....	8,057	1,251	91	822	In civilian labor force.....	89,340	10,574	1,751	5,974
\$10,000-\$14,999.....	7,223	1,020	103	600	Employed.....	84,134	9,301	1,666	5,421
\$15,000-\$19,999.....	7,780	817	104	500	Unemployed.....	5,205	1,273	86	553
\$20,000-\$24,999.....	7,516	813	106	399	Percent.....	5.8	12.0	4.9	9.3
\$25,000-\$34,999.....	10,258	720	182	447	Male 16 yr old and over.....	89,705		1,290	4,719
\$35,000-\$49,999.....	5,724	344	122	186	In labor force.....	52,949	5,494	884	3,701
\$50,000 or more.....	3,122	115	71	78	Percent.....	78.0	68.7	78.3	78.4
Median income ⁴ (dol.).....					In civilian labor force.....	51,881	5,363	850	3,807
Total.....	20,840	12,618	22,075	14,711	Employed.....	48,837	4,675	807	3,294
Percent distribution:					Unemployed.....	3,044	688	42	314
Total.....	100.0	100.0	100.0	100.0	Percent.....	5.9	12.8	4.4	8.7
Less than \$5,000.....	5.5	19.4	8.2	13.8	Females 16 yr old and over.....				
\$5,000-\$9,999.....	12.0	21.0	11.0	18.9	In labor force.....	75,742	9,919	1,408	4,861
\$10,000-\$14,999.....	14.3	16.7	12.4	18.2	Percent.....	37,558	5,244	804	2,375
\$15,000-\$19,999.....	15.4	13.4	12.6	15.2	In civilian labor force.....	49.6	52.9	57.1	48.9
\$20,000-\$24,999.....	14.9	10.1	13.0	12.1	Employed.....	37,459	5,211	802	2,367
\$25,000-\$34,999.....	20.3	11.8	19.6	13.6	Unemployed.....	35,298	4,626	758	2,126
\$35,000-\$49,999.....	11.3	5.6	14.7	5.7	Percent.....	2,181	585	43	239
\$50,000 or more.....	6.2	1.9	6.6	2.4		5.8	11.2	5.4	10.1
Total persons.....	189,079	28,505	3,888	14,589					

¹ Persons of Spanish origin may be of any race. ² Children under 18 years old. ³ With no spouse present. ⁴ For definition of median, see Guide to Tabular Presentation.

Source: U.S. Bureau of the Census, 1980 Census of Population and Housing, Supplementary Report, series PHC 80-S1-1.

NO. 42. POPULATION, BY RACE, NATIVITY, AND SEX, 1920 TO 1970, AND BY URBAN AND RURAL RESIDENCE, 1970

[In thousands, except percent. Prior to 1960, excludes Alaska and Hawaii. In some instances, breakdown does not add to total because data are derived from different tabulations. See *Historical Statistics, Colonial Times to 1970*, series A 105-118 for foreign born and A 135-142 for native born]

RACE, NATIVITY, AND SEX	1920	1930	1940	1950	1960 ¹	1970 ¹		
						Total	Urban	Rural
Total	105,711	122,778	131,888	150,897	179,328	303,210	149,332	63,878
Native	91,780	108,571	120,074	139,888	169,588	193,581	140,612	52,879
Percent of total	86.8	88.4	91.2	92.8	94.8	95.3	94.2	88.3
Foreign born	13,921	14,204	11,595	10,347	9,738	9,619	8,720	899
Percent of total	13.2	11.6	8.8	6.9	5.4	4.7	5.8	1.7
White	94,821	110,287	118,215	134,942	158,838	178,119	129,077	49,042
Native	81,108	98,303	106,796	124,781	149,544	189,385	121,187	48,188
Foreign born	13,713	11,983	11,419	10,161	9,294	8,734	7,890	844
Other races ²	10,890	12,488	13,455	15,755	20,488	25,091	20,255	4,836
Male	53,800	62,137	66,082	74,833	88,303	98,882	71,838	26,842
Native	(NA)	(NA)	59,940	68,842	83,543	94,478	(NA)	(NA)
Foreign born	(NA)	(NA)	6,122	5,256	4,780	4,404	(NA)	(NA)
White	48,431	55,923	59,449	67,129	78,348	88,893	62,352	24,541
Native	40,602	48,420	53,438	61,952	73,840	82,910	58,789	24,141
Foreign born	7,528	7,502	6,011	5,176	4,508	3,983	3,563	399
Other races ²	5,470	6,215	6,813	7,704	9,856	11,889	9,587	2,401
Female	51,810	60,638	65,606	75,864	91,022	104,326	77,393	26,836
Native	(NA)	(NA)	60,134	70,927	86,045	98,113	(NA)	(NA)
Foreign born	(NA)	(NA)	5,473	5,089	4,978	5,216	(NA)	(NA)
White	48,390	54,864	58,786	67,813	80,490	91,226	66,725	24,501
Native	40,208	47,883	53,358	62,826	75,703	86,475	62,419	24,057
Foreign born	6,184	6,481	5,408	4,965	4,786	4,751	4,307	444
Other races ²	5,420	6,274	6,841	8,052	10,533	13,102	10,686	2,436

NA Not available. ¹Based on sample. ²Blacks, American Indians, Aleuts, Eskimos, Hawaiians, Koreans, and other races not shown separately.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1930*, vol. II; *1950*, vol. II, part 1, and vol. IV, part 3; *1960*, vol. I and vol. II, part 1A; and *1970*, vol. I, part 1C.

NO. 43. FOREIGN STOCK, BY COUNTRY OF ORIGIN: 1960 AND 1970

[In thousands, except as indicated. 1960 based on 25-percent sample; 1970 on 15-percent sample. See source for sampling variability. See also *Historical Statistics, Colonial Times to 1970*, series C 195-295]

COUNTRY OF ORIGIN	1960		1970						
	Total	Per- cent	Total	Per- cent	For- eign born	Native of foreign or mixed parentage	Percent high school gradu- ates ¹	Number of families	Median family income ²
All countries	34,060	100.0	33,575	100.0	8,618	23,958	48.1	11,786	\$18,719
United Kingdom	2,865	8.5	2,485	7.3	688	1,779	60.0	810	11,120
Ireland (Eire)	1,773	5.2	1,450	4.3	251	1,199	54.6	506	11,509
Norway	775	2.3	615	1.8	97	517	48.7	238	8,618
Sweden	1,047	3.1	806	2.4	127	679	52.4	326	10,036
Denmark	399	1.2	326	1.0	61	264	52.8	129	8,711
Netherlands	399	1.2	384	1.1	111	273	55.1	141	10,730
Switzerland	283	.8	219	.7	80	139	(NA)	(NA)	(NA)
France	352	1.0	343	1.0	105	238	55.6	95	10,369
Germany ³	4,321	12.7	3,822	10.8	833	2,789	42.3	1,221	8,505
Poland	2,780	8.2	2,374	7.1	646	1,826	41.4	961	11,787
Czechoslovakia	818	2.7	760	2.3	181	599	42.6	300	10,578
Austria	1,089	3.2	975	2.9	214	761	49.0	389	11,733
Hungary	702	2.1	604	1.8	183	420	48.3	236	11,846
Yugoslavia	449	1.3	447	1.3	154	294	44.8	170	11,388
Soviet Union	2,290	6.7	1,943	5.8	483	1,460	60.0	617	13,165
Lithuania	403	1.2	331	1.0	76	255	52.0	133	12,317
Greece	379	1.1	330	1.0	177	257	53.6	154	11,132
Italy	4,544	13.3	4,241	12.6	1,009	3,232	40.1	1,740	11,115
Other Europe	1,173	3.4	1,214	3.6	405	809	(NA)	(NA)	(NA)
Asia ⁴	1,142	3.4	1,745	5.2	825	920	(NA)	(NA)	(NA)
Western Asia ⁵	335	1.0	369	1.2	174	225	(NA)	(NA)	(NA)
China (incl. Taiwan)	208	.6	339	1.0	172	167	57.5	84	10,883
Japan	322	.9	394	1.2	120	274	68.1	106	12,772
Other Asia	278	.8	613	1.8	368	265	(NA)	(NA)	(NA)
Canada	3,161	9.3	3,111	9.0	812	2,222	54.6	950	10,794
Mexico	1,736	5.1	2,339	7.0	780	1,579	24.1	637	7,863
Cuba	124	.4	581	1.7	439	122	44.8	143	8,728
Other America	458	1.3	963	2.9	605	358	(NA)	(NA)	(NA)
Other ⁶ and not reported	462	1.4	1,111	4.1	465	914	(NA)	(NA)	(NA)

NA Not available. ¹Persons 25 years old and over. ²Income received during 1969; for definition of median, see Guide to Tabular Presentation. ³German Democratic Republic and Federal Republic of Germany. ⁴For 1960, United Arab Republic included in Asia; for 1970, in "Other." ⁵Includes Turkey in Europe.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960*, vol. I, and *1970*, vol. I and vol. II, PC(2)-1A.

NO. 44. NATIVE POPULATION, BY PLACE OF BIRTH: 1900 TO 1980

[In thousands, except percent. 1950 based on 20-percent sample; 1960 on 25-percent sample; 1970 on 15-percent sample. See source for sampling variability. 1960 data are provisional data based on the Early National Sample from the 1960 census; see text, p. 2 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series C 1-10]

YEAR	Total	Born in State of residence	BORN IN OTHER STATES		State of birth not reported	Born in outlying areas ¹	Born abroad or at sea of American parents
			Number	Percent			
1900	65,653	51,902	13,501	20.6	160	3	67
1910	78,456	61,185	16,910	21.6	286	7	68
1920	91,790	71,071	20,274	22.1	314	38	93
1930	106,571	82,678	25,368	23.4	236	136	131
1940	120,074	92,610	26,908	22.4	260	157	122
1950	139,869	102,788	35,284	25.2	1,370	330	96
1950	169,588	119,293	44,891	26.4	4,541	860	402
1970	193,591	131,718	50,639	26.2	8,973	891	1,370
1980	212,590	144,558	65,826	31.0	(²)	1,066	1,119

¹Through 1950, includes Alaska and Hawaii. Includes Puerto Rico, a U.S. possession from 1898 to 1952 and a commonwealth since 1952. ²Place of birth was allocated to those who did not report.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960*, vol. II, part 2A, 1970, vol. I, parts C and D; 1960 *Census of Population, Supplementary Reports*, series PHC80-S1-1 and unpublished data.

NO. 45. POPULATION, BY ANCESTRY—SELECTED CHARACTERISTICS: 1979

[As of November. Based on Current Population Survey; see text, pp. 2-4. Covers civilian noninstitutional population. Families are classified by ancestry group of householder. For definition of median, see Guide to Tabular Presentation]

ANCESTRY	Total (1,000)	Median age (years)	Percent foreign born	Percent native of foreign or mixed parentage	Percent high school graduates ¹	Percent completed 1 year or more of college ¹	Number of families (1,000)	Median family income
Total population ²	216,613	30.3	5.4	10.9	68.7	31.5	56,001	\$15,784
Total, reported at least one specific ancestry	179,078	30.3	6.2	12.6	70.7	33.2	48,552	16,224
Reported single ancestry group ³	96,496	34.6	10.4	16.9	66.0	29.5	31,243	15,456
English	11,501	40.4	3.8	6.2	75.7	37.8	4,039	16,891
French	3,047	36.2	5.1	15.3	66.4	26.6	1,080	15,571
German	17,160	37.1	4.0	10.7	72.2	30.2	6,198	17,531
Irish	9,760	39.0	2.7	10.4	69.5	30.4	3,174	16,092
Italian	6,110	42.3	13.1	44.1	61.5	22.4	2,134	16,993
Polish	3,496	48.0	10.8	40.3	61.6	25.4	1,205	16,977
Scottish	1,615	43.5	10.5	14.2	79.9	45.9	736	20,018
Spanish	9,762	23.5	30.3	25.1	41.4	16.6	2,453	10,607
Reported multiple ancestry groups ⁴	82,582	24.5	1.2	7.6	78.2	39.0	17,309	17,810
American Indian and other group(s)	7,847	23.4	.4	2.4	61.7	20.6	1,706	13,641
Dutch and other group(s)	6,759	27.3	1.0	4.2	68.2	28.1	1,457	15,866
English and other group(s)	28,503	27.1	.9	5.7	81.4	43.7	6,344	18,680
French and other group(s)	11,000	24.5	1.0	6.8	76.8	38.1	2,244	17,048
German and other group(s)	34,469	23.0	.6	5.9	80.2	38.8	6,889	18,375
Irish and other group(s)	33,992	25.7	.5	4.5	75.1	34.7	7,112	16,860
Italian and other group(s)	5,622	17.7	.6	9.9	84.5	41.8	733	17,833
Polish and other group(s)	4,923	20.3	1.6	13.9	84.3	46.0	897	19,968
Scottish and other group(s)	12,590	32.2	1.0	6.1	81.2	44.2	3,088	19,148

¹Covers persons 25 years old and over. ²Includes responses indicating "American," religious groups, and persons who did not report or whose ancestry is not shown separately. ³Includes other single ancestry groups not shown separately.

⁴Includes other multiple ancestry groups not shown separately. Persons reporting multiple ancestry groups may be included in more than one multiple ancestry category; total is the number of persons reporting multiple ancestry groups.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 116, and unpublished data.

NO. 46. CURRENT LANGUAGES OTHER THAN ENGLISH SPOKEN AT HOME: 1979

(See headnote, table 45)

CURRENT LANGUAGE SPOKEN	PERSONS 5 TO 17 YEARS OLD		PERSONS 18 YRS. OLD AND OVER		CURRENT LANGUAGE SPOKEN	PERSONS 5 TO 17 YEARS OLD		PERSONS 18 YRS. OLD AND OVER	
	Total (1,000)	Difficult-ly with Eng-lish ¹ (per-cent)	Total (1,000)	Difficult-ly with Eng-lish ¹ (per-cent)		Total (1,000)	Difficult-ly with Eng-lish ¹ (per-cent)	Total (1,000)	Difficult-ly with Eng-lish ¹ (per-cent)
Total persons.....	45,389	(X)	154,443	(X)	Polish.....	30	(B)	701	18.5
Speaking language other than English.....	3,826	12.2	14,158	24.1	Chinese.....	84	10.6	420	32.4
Spanish.....	2,538	13.9	8,231	34.1	Greek.....	79	-	395	28.8
Italian.....	188	.6	1,185	15.3	Filipino.....	87	(B)	351	18.2
French.....	134	-	853	5.4	Portuguese.....	60	(B)	185	20.8
German.....	155	.6	1,103	4.4	Japanese.....	36	(B)	227	25.9
					Korean.....	42	(B)	149	47.9
					All other.....	415	17.3	2,490	15.9

- Represents zero or rounds to zero. B Base less than 75,000. X Not applicable. ¹ Persons reported as speaking English "not well" or "not at all".

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 118.

NO. 47. MARITAL STATUS OF THE POPULATION, BY SEX: 1940 TO 1981

(In millions, except percent. 1940-1980, persons 14 years old and over; thereafter, 18 and over. As of March, except as noted. Prior to 1950, excludes Alaska and Hawaii. Beginning 1980, based on Current Population Survey and excludes Armed Forces except those living off post or with their families on post; see text, p. 2. See *Historical Statistics, Colonial Times to 1870*, series A 160-171, for decennial data.)

SEX AND MARITAL STATUS	1940 ¹	1950	1960	1965	1970	1975	1977	1978	1979	1980 ²	1981 ³	1981
Total	181.1	111.7	128.5	121.8	132.5	143.2	148.3	159.7	153.5	166.2	169.5	162.1
Single	31.5	25.5	27.7	18.2	21.4	25.1	27.5	29.1	30.6	31.4	32.3	33.2
Married	90.3	74.9	84.4	89.2	95.0	99.7	100.8	101.0	101.5	102.6	104.6	105.3
Widowed	7.8	9.3	10.6	10.9	11.8	11.9	11.9	12.0	12.4	12.5	12.7	12.8
Divorced	1.4	2.1	2.8	3.5	4.3	6.5	8.0	8.6	8.8	9.7	9.8	10.8
Percent of total	100.0	100.0	100.0	100.0	100.0	105.8	100.0	100.0	100.0	100.0	100.0	100.0
Single	31.2	22.8	22.0	14.9	16.2	17.5	18.5	18.9	20.0	20.1	20.3	20.6
Married	50.8	67.0	67.3	73.2	71.7	69.6	68.0	67.0	66.2	65.7	65.5	64.8
Widowed	7.8	8.3	8.4	9.0	8.9	8.3	8.0	8.0	8.1	8.0	8.0	7.9
Divorced	1.4	1.9	2.3	2.9	3.2	4.6	5.4	5.7	5.8	6.2	6.2	6.7
Males, total	95.8	54.8	66.8	68.0	72.8	87.8	78.3	71.8	72.7	74.1	78.7	78.9
Single	17.6	14.3	15.4	10.3	11.8	14.1	15.4	16.1	17.0	17.4	18.0	18.4
Married	30.2	37.2	41.8	44.2	47.1	49.4	49.9	50.1	50.3	50.8	51.8	52.1
Widowed	2.1	2.3	2.3	2.1	2.1	1.8	1.9	1.9	1.9	2.0	2.0	1.9
Divorced	.6	.9	1.1	1.4	1.6	2.5	3.2	3.4	3.5	3.9	3.9	4.4
Percent of total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Single	34.8	26.2	25.3	17.7	16.9	20.8	21.9	22.5	23.3	23.5	23.8	23.9
Married	59.7	68.0	69.1	78.2	75.3	72.8	70.9	70.1	69.2	68.6	68.4	67.8
Widowed	4.2	4.2	3.7	3.7	3.3	2.7	2.7	2.7	2.7	2.7	2.6	2.5
Divorced	1.2	1.7	1.9	2.5	2.5	3.7	4.5	4.7	4.8	5.2	5.2	5.7
Percent standardized for age⁴												
Single	30.7	26.2	25.3	16.4	16.5	16.6	17.2	17.9	18.6	18.7	18.7	18.9
Married	62.6	67.4	68.1	77.5	77.6	76.6	75.1	74.3	73.5	72.8	72.9	72.3
Widowed	5.4	4.7	3.7	3.6	3.3	2.8	2.8	2.8	2.8	2.9	2.7	2.7
Divorced	1.3	1.7	1.9	2.5	2.6	4.0	4.8	5.0	5.1	5.6	5.6	6.2
Females, total	85.5	57.0	61.8	53.8	70.0	75.3	77.9	79.3	80.8	82.1	83.8	84.2
Single	13.9	11.1	12.3	7.9	9.6	11.0	12.2	13.0	13.6	14.0	14.3	14.8
Married	30.1	37.8	42.6	45.0	47.9	50.3	50.9	50.9	51.2	51.8	52.9	53.2
Widowed	5.7	7.0	8.3	8.6	9.7	10.1	10.0	10.1	10.4	10.5	10.8	10.8
Divorced	.8	1.2	1.7	2.1	2.7	4.0	4.8	5.3	5.4	5.8	6.0	6.4
Percent of total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Single	27.6	19.6	19.0	12.4	13.7	14.6	15.6	16.4	16.9	17.0	17.1	17.4
Married	58.5	66.1	69.6	70.5	68.5	66.7	65.3	64.2	63.5	63.1	63.0	62.4
Widowed	11.3	12.2	12.8	13.8	13.9	13.4	12.9	12.7	12.6	12.8	12.8	12.7
Divorced	1.6	2.2	2.6	3.3	3.9	5.3	6.2	6.6	6.8	7.1	7.1	7.6
Percent standardized for age⁴												
Single	24.2	20.0	18.0	11.6	12.1	12.4	13.1	13.6	14.3	14.5	14.5	14.6
Married	58.3	63.8	65.6	71.8	70.8	68.2	66.0	67.0	66.3	65.9	65.9	65.2
Widowed	14.8	14.0	12.8	13.3	13.0	12.8	12.2	12.1	12.3	12.0	12.1	11.9
Divorced	1.9	2.1	2.6	3.3	4.1	5.6	6.7	7.1	7.1	7.6	7.8	8.1

As of April. ¹ Population controls based on 1970 census, see text, p. 2. ² Population controls based on 1980 census, see text, p. 2. ³ 1981 age distribution used as standard. Standardization improves comparability over time by removing effects of changes in age distribution of population.

Source: U.S. Bureau of the Census, *U.S. Census of Population 1980*, vol. 3, part 1, and *Current Population Reports*, series P-20, for 1972 and earlier reports.

NO. 48. MARITAL STATUS OF THE BLACK AND SPANISH ORIGIN POPULATION: 1960 TO 1981

[Black population: 1960 and 1965, persons 14 years old and over; thereafter 18 and over. Spanish origin population: 1970 and 1975, persons 14 years old and over; thereafter, 15 and over. Except as noted, as of March and based on Current Population Survey, which includes members of Armed Forces living off post or with their families on post, but excludes all other members of Armed Forces]

SEX AND YEAR	NUMBER OF PERSONS (1,000)					PERCENT DISTRIBUTION				
	Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
BLACK										
Total: 1960 ¹	12,088	3,078	7,461	1,174	376	100.0	25.5	61.7	9.7	3.1
1965.....	13,273	3,601	7,996	1,194	482	100.0	27.1	60.2	9.0	3.6
1970.....	12,972	2,668	8,310	1,427	567	100.0	20.6	64.1	11.0	4.4
1975.....	14,262	3,449	8,373	1,521	920	100.0	24.2	58.7	10.7	6.5
1980 ²	16,638	5,070	8,545	1,627	1,396	100.0	30.5	51.4	9.8	8.4
1981.....	17,041	5,229	8,601	1,616	1,594	100.0	30.7	50.5	9.5	9.4
Male: 1960 ¹	5,713	1,692	3,619	264	139	100.0	29.6	63.3	4.6	2.4
1965.....	6,211	1,960	3,795	245	191	100.0	31.9	61.1	3.9	3.1
1970.....	5,898	1,435	3,944	307	212	100.0	24.3	66.9	5.2	3.6
1975.....	6,368	1,733	3,990	319	327	100.0	27.2	62.7	5.0	5.1
1980 ²	7,416	2,540	4,051	308	517	100.0	34.3	54.6	4.2	7.0
1981.....	7,590	2,606	4,058	309	618	100.0	34.3	53.5	4.1	8.1
Female: 1960 ¹	6,375	1,386	3,842	910	237	100.0	21.7	60.3	14.3	3.7
1965.....	7,062	1,621	4,201	949	291	100.0	23.0	59.5	13.4	4.1
1970.....	7,074	1,233	4,366	1,120	355	100.0	17.4	61.7	15.8	5.0
1975.....	7,894	1,716	4,383	1,202	593	100.0	21.7	55.5	15.2	7.5
1980 ²	9,222	2,530	4,494	1,319	878	100.0	27.4	48.7	14.3	9.5
1981.....	9,451	2,623	4,544	1,307	976	100.0	27.8	48.1	13.8	10.3
SPANISH ORIGIN ³										
Total: 1970 ¹	5,872	1,718	3,666	287	201	100.0	29.3	62.4	4.9	3.4
1975.....	7,264	2,293	4,376	298	296	100.0	31.6	60.3	4.1	4.1
1980 ²	8,697	2,683	5,202	350	461	100.0	30.8	59.8	4.0	5.3
1981.....	9,163	2,738	5,530	354	541	100.0	29.9	60.4	3.9	5.9
Male: 1970 ¹	2,638	914	1,801	56	67	100.0	32.2	63.5	2.0	2.3
1975.....	3,520	1,277	2,103	42	96	100.0	36.3	59.7	1.2	2.8
1980 ²	4,196	1,439	2,546	60	151	100.0	34.3	60.7	1.4	3.6
1981 ⁴	4,429	1,508	2,672	71	176	100.0	34.0	60.3	1.6	4.0
Mexican.....	2,738	937	1,647	46	109	100.0	34.2	60.1	1.7	4.0
Puerto Rican.....	465	172	262	11	20	100.0	37.1	56.4	2.3	4.2
Female: 1970 ¹	3,033	804	1,864	231	134	100.0	26.5	61.5	7.6	4.4
1975.....	3,744	1,016	2,275	256	198	100.0	27.1	60.8	6.8	5.3
1980 ²	4,501	1,244	2,656	291	310	100.0	27.6	59.0	6.5	6.9
1981 ⁴	4,734	1,230	2,858	283	363	100.0	26.0	60.4	6.0	7.7
Mexican.....	2,743	725	1,686	151	180	100.0	26.4	61.5	5.5	6.6
Puerto Rican.....	635	209	333	31	62	100.0	32.9	52.4	4.9	9.8

¹ As of April. ² Population controls based on 1980 census, see text, p. 2. ³ Persons of Spanish origin may be of any race.

⁴ Includes persons of Cuban, Central or South American, and other Spanish origin, not shown separately.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960*, PC(2)1C, *Nonwhite Population by Race*; and *1970*, PC(2)1C, *Persons of Spanish Origin*; *Current Population Reports*, series P-20, No. 372 and earlier issues; and unpublished data.

NO. 49. MARITAL STATUS OF THE POPULATION, BY SEX AND AGE: 1981

[Persons 18 years old and over. As of March. Based on Current Population Survey, which includes members of Armed Forces living off post or with their families on post, but excludes all other members of the Armed Forces. See text, p. 2 and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series A 160-171, for decennial census data]

SEX AND AGE	NUMBER OF PERSONS (1,000)					PERCENT DISTRIBUTION				
	Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
Male	76,876	18,400	52,136	1,949	4,391	100.0	23.9	67.8	2.5	5.7
18-19 years.....	4,067	3,892	172	-	3	100.0	95.7	4.2	-	.1
20-24 years.....	10,300	7,163	2,943	4	190	100.0	69.5	28.6	-	1.8
25-29 years.....	9,713	3,278	5,899	9	527	100.0	33.8	60.7	.1	5.4
30-34 years.....	8,912	1,463	6,657	13	780	100.0	16.4	74.7	.1	8.8
35-44 years.....	12,807	1,064	10,519	61	1,141	100.0	8.5	82.1	.5	8.9
45-54 years.....	10,839	548	9,343	156	792	100.0	5.1	86.2	1.4	7.3
55-64 years.....	10,131	520	8,585	410	615	100.0	5.1	84.7	4.1	6.1
65-74 years.....	6,732	333	5,588	551	261	100.0	4.9	83.0	8.2	3.9
75 years and over.....	3,375	119	2,429	745	63	100.0	3.5	72.0	22.1	2.5
Female	86,237	14,800	53,153	10,845	6,438	100.0	17.4	62.4	12.7	7.6
18-19 years.....	4,163	3,524	610	-	29	100.0	84.7	14.7	-	.7
20-24 years.....	10,686	5,543	4,718	22	401	100.0	51.9	44.2	.2	3.8
25-29 years.....	9,978	2,179	6,871	49	880	100.0	21.8	68.9	.5	8.8
30-34 years.....	9,225	960	7,111	83	1,070	100.0	10.4	77.1	.9	11.6
35-44 years.....	13,361	727	10,803	294	1,555	100.0	5.4	80.7	2.2	11.6
45-54 years.....	11,653	546	9,159	795	1,153	100.0	4.7	78.6	6.8	9.9
55-64 years.....	11,575	486	8,133	2,128	827	100.0	4.2	70.3	18.4	7.1
65-74 years.....	8,790	475	4,401	3,524	389	100.0	5.4	50.1	40.1	4.4
75 years and over.....	5,788	359	1,347	3,949	133	100.0	6.2	23.3	66.2	2.3

- Represents zero or rounds to zero.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 372.

NO. 50. EVER-MARRIED PERSONS 25-54 YEARS OLD WHO WERE DIVORCED OR SEPARATED AT TIME OF SURVEY, BY AGE, RACE, AND SEX: 1960 TO 1981
[As of March. Based on Current Population Survey; see text, p. 1]

AGE AND SEX	EVER MARRIED (1,000)			PERCENT DIVORCED			PERCENT SEPARATED		
	Total ¹	White	Black	Total ¹	White	Black	Total ¹	White	Black
1960: Male, total	29,074	26,267	² 2,807	2.4	2.4	³ 3.1	2.1	1.4	³ 8.2
25-34 yr	9,162	8,282	² 880	1.9	1.8	³ 3.2	1.9	1.4	³ 6.4
35-44 yr	10,623	9,582	² 1,041	2.3	2.4	³ 1.7	2.1	1.6	³ 6.4
45-54 yr	9,289	8,403	² 886	3.1	2.9	³ 4.5	2.2	1.2	³ 12.1
Female, total	32,024	28,550	² 3,474	3.8	3.4	³ 6.5	2.8	1.7	³ 12.4
25-34 yr	10,639	9,389	² 1,250	3.1	2.7	³ 5.8	3.1	1.6	³ 14.4
35-44 yr	11,532	10,307	² 1,225	3.8	3.4	³ 7.3	2.7	1.7	³ 11.1
45-54 yr	9,853	8,854	² 999	4.4	4.1	³ 6.5	2.7	1.7	³ 11.4
1970: Male, total	31,304	28,189	2,817	3.3	3.1	5.5	1.8	1.1	9.4
25-34 yr	10,402	9,318	975	3.0	2.9	3.9	1.6	1.2	5.1
35-44 yr	10,518	9,464	953	3.0	2.6	5.8	2.1	1.1	11.6
45-54 yr	10,384	9,407	889	3.9	3.7	6.7	1.9	1.0	11.7
Female, total	34,299	30,401	3,505	5.2	5.0	7.7	3.3	1.8	16.3
25-34 yr	11,590	10,220	1,236	5.0	4.7	6.6	3.8	2.1	17.6
35-44 yr	11,264	9,917	1,188	5.6	5.3	8.8	3.1	1.6	16.3
45-54 yr	11,445	10,264	1,081	5.1	4.9	7.6	3.1	1.9	14.9
1975: Male, total	33,009	29,590	2,872	5.4	5.2	8.5	2.6	1.6	12.4
25-34 yr	12,237	11,003	1,021	5.5	5.6	6.1	3.0	2.0	14.2
35-44 yr	10,122	9,001	925	5.5	5.3	8.2	2.7	1.9	10.4
45-54 yr	10,650	9,586	926	5.3	4.7	11.4	2.0	1.0	12.5
Female, total	36,348	31,984	3,727	7.6	7.1	12.4	4.4	2.8	18.6
25-34 yr	13,644	11,984	1,379	7.6	7.2	12.1	5.2	3.5	20.5
35-44 yr	11,047	9,638	1,220	7.9	7.3	12.5	4.6	2.8	19.7
45-54 yr	11,657	10,364	1,128	7.2	6.7	12.5	3.2	1.9	15.2
1980 ¹ : Male, total	35,326	31,422	3,062	8.2	7.9	12.6	3.0	2.3	10.4
25-34 yr	13,550	12,021	1,154	8.6	8.6	10.8	3.3	2.7	9.5
35-44 yr	11,505	10,239	1,020	8.8	8.1	16.2	2.9	2.2	10.2
45-54 yr	10,271	9,162	888	7.1	6.7	10.7	2.6	1.7	11.8
Female, total	39,169	34,093	4,088	11.0	10.5	16.5	4.5	2.9	18.7
25-34 yr	15,694	13,650	1,591	11.6	11.2	16.5	5.4	3.6	21.2
35-44 yr	12,271	10,625	1,320	11.5	10.9	17.5	4.5	2.7	19.2
45-54 yr	11,204	9,818	1,155	9.7	9.0	15.5	3.4	2.1	14.8
1981: Male, total	35,898	31,814	3,161	9.0	8.6	15.1	3.1	2.3	10.9
25-34 yr	13,864	12,320	1,206	9.4	9.2	13.5	3.3	2.7	10.4
35-44 yr	11,723	10,345	1,047	9.7	9.4	15.5	3.3	2.4	12.4
45-54 yr	10,291	9,149	908	7.7	6.9	16.6	2.5	1.7	9.6
Female, total	39,825	34,587	4,162	11.7	11.0	18.3	4.9	3.2	19.3
25-34 yr	16,064	13,929	1,672	12.1	11.5	17.5	5.6	3.9	20.5
35-44 yr	12,654	10,953	1,345	12.3	11.5	19.9	5.0	3.2	20.8
45-54 yr	11,107	9,705	1,145	10.4	9.6	17.6	3.7	2.3	15.6

¹ Includes other races not shown separately. ² Black and other races. ³ Population controls based on 1960 census; see text, p. 2.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 372 and earlier reports.

NO. 51. DIVORCED PERSONS PER 1,000 MARRIED PERSONS WITH SPOUSE PRESENT, BY RACE, AGE, AND SEX: 1960 TO 1981
[As of March. 1960-1979, persons 14 years old and over; 1980 and 1981, 15 and over. See headnote, table 49]

YEAR	Total	Male	Female	YEAR AND SEX	RACE		AGE			
					White	Black	15-29 years	30-44 years	45-64 years	65 years and over
1960	35	28	42	Male: 1960	27	² 45	³ 16	25	39	24
1965	41	34	49	1970	32	62	³ 28	33	40	32
1970	47	35	60	1975	51	98	³ 51	61	57	32
1975	69	54	84	1980 ¹	74	149	78	104	70	46
1976	75	58	92	1981	82	178	85	118	82	44
1977	84	66	101	Female: 1960	38	² 78	³ 28	41	53	44
1978	90	71	110	1970	56	104	³ 46	61	66	69
1979	92	72	111	1975	77	178	³ 75	93	86	69
1980 ¹	100	79	120	1980 ¹	110	258	108	147	112	89
1981	109	88	129	1981	118	289	116	158	121	96

¹ Population controls based on 1960 census; see text, p. 2. ² Black and other races. ³ 14-29 years.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 372 and earlier reports.

**NO. 52. PERCENT MARRIED AND DIVORCED OF THE POPULATION, 18 YEARS OLD AND OVER:
1960 TO 1961**

[As of March. Based on Current Population Survey and excludes Armed Forces except those living off post or with their families on post; see text, p. 2]

SEX AND RACE	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980 ¹	1980 ²	1981
Percent married:												
Male	75.4	75.2	75.9	73.7	72.6	72.2	70.9	70.1	69.2	68.6	68.4	67.6
White	77.3	76.9	78.1	74.9	73.9	73.4	72.3	71.7	70.7	70.1	70.0	69.6
Black and other	68.4	70.2	65.4	63.1	63.5	62.0	60.8	58.4	57.5	57.1	56.3	55.2
Female	71.6	70.5	69.5	67.6	66.7	66.2	65.3	64.2	63.5	63.1	63.0	62.4
White	72.2	70.9	69.9	68.6	68.0	67.6	66.7	65.9	65.2	64.8	64.7	64.1
Black and other	66.9	67.6	62.6	58.9	57.3	56.2	55.4	52.6	51.6	51.5	51.6	50.9
Percent divorced:												
Male	2.0	2.6	2.5	3.5	3.7	4.0	4.5	4.7	4.8	5.2	5.2	5.7
White	2.0	2.4	2.4	3.3	3.6	3.6	4.4	4.5	4.5	5.0	5.0	5.5
Black and other	2.2	3.4	3.4	4.8	4.6	5.5	5.0	6.3	6.6	6.6	6.4	7.0
Female	2.9	3.3	3.9	4.9	5.3	5.7	6.2	6.6	6.6	7.1	7.1	7.8
White	2.7	3.1	3.6	4.7	5.0	5.5	6.0	6.3	6.4	6.8	6.8	7.2
Black and other	4.6	4.5	4.8	6.3	7.1	7.4	6.2	8.8	8.3	8.9	8.8	9.8

¹Population controls based on 1970 census; see text, p. 2.

²Population controls based on 1980 census; see text, p. 2.

**NO. 53. SINGLE (NEVER-MARRIED) PERSONS 18 YEARS OLD AND OVER AS PERCENT OF TOTAL
POPULATION, BY AGE AND SEX: 1960 TO 1961**

[1960, as of April; thereafter based on Current Population Survey as of March. See headings, table 48]

AGE	MALE					FEMALE				
	1960	1970	1975	1980 ¹	1981	1960	1970	1975	1980 ¹	1981
Total	17.3	16.9	20.8	23.9	23.9	11.9	13.7	14.6	17.1	17.4
16 years	94.6	95.1	96.6	97.4	97.6	75.6	82.0	83.7	88.0	89.6
16 years	87.1	89.8	88.3	80.8	83.4	68.7	69.8	71.4	77.6	80.5
20-24 years	53.1	54.7	59.9	66.6	69.5	28.4	35.8	40.3	50.2	51.9
25-29 years	20.8	19.1	22.3	33.1	33.8	10.5	10.5	13.5	20.9	21.8
30-34 years	11.8	8.4	11.1	15.9	16.4	6.9	6.2	7.5	9.5	10.4
35-39 years	6.8	7.2	6.6	7.6	8.6	6.1	5.4	5.0	6.2	6.2
40-44 years	7.3	6.3	7.2	7.1	8.3	6.1	4.9	4.6	4.8	4.5
45-54 years	7.4	7.5	6.3	6.1	5.1	7.0	4.8	4.6	4.7	4.7
55-64 years	6.0	7.6	6.5	5.3	5.1	8.0	6.8	6.1	4.5	4.2
65 years and over	7.7	7.5	4.7	4.9	4.5	6.5	7.7	5.6	5.8	5.7

¹Population controls based on 1980 census; see text, p. 2.

**NO. 54. MARITAL STATUS OF POPULATION, 15 YEARS OLD AND OVER, BY HOUSEHOLDER STATUS,
SEX AND AGE: 1961**

[In thousands, except percent. As of March. Based on Current Population Survey; see text, p. 2, and Appendix III]

ITEM	Total ¹	MALE					FEMALE				
		Total ¹	20-24 years	25-44 years	45-64 years	65 yr. and over	Total ¹	20-24 years	25-44 years	45-64 years	65 yr. and over
Total persons	174,081	82,948	10,300	31,451	29,870	16,107	91,133	10,886	32,584	23,238	14,676
Householder ²	82,366	58,685	4,052	25,870	19,143	9,226	23,684	1,862	7,647	5,255	7,083
Single	10,021	5,205	1,430	2,670	629	309	4,816	1,290	2,145	617	578
Married, spouse present	49,294	47,473	2,466	20,860	16,615	7,390	1,821	187	605	555	256
Widowed	10,785	1,582	-	58	441	1,083	9,203	12	370	2,600	6,220
Divorced	8,239	2,965	77	1,840	992	273	5,254	212	2,849	1,741	440
Not householder ²	91,713	24,264	6,248	5,482	1,626	679	67,449	8,823	24,937	16,973	6,696
Single	34,936	19,219	5,732	3,156	440	143	15,717	4,264	1,722	416	257
Married, spouse present	50,498	2,423	281	1,064	643	363	48,075	4,140	22,151	15,863	5,255
Widowed	2,009	366	4	25	124	213	1,642	10	56	322	1,253
Divorced	2,602	1,406	113	608	416	69	1,194	189	656	240	83
PERCENT DISTRIBUTION											
Total persons	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Householder ²	47.3	70.7	39.3	82.6	91.3	91.3	26.0	17.4	23.5	26.9	62.7
Single	5.8	6.3	13.9	8.5	3.0	3.1	5.3	12.0	6.8	2.7	4.0
Married, spouse present	28.3	57.2	23.9	66.4	79.2	73.1	2.0	1.8	2.5	2.4	1.6
Widowed	6.2	1.9	-	.2	2.1	10.7	10.1	.1	1.1	11.2	42.7
Divorced	4.7	3.6	.7	5.2	4.7	2.7	6.8	2.0	6.7	7.5	3.0
Not householder ²	52.7	29.3	60.7	17.4	8.7	8.7	74.0	82.6	76.5	73.1	47.3
Single	20.1	23.2	55.7	10.0	2.1	1.4	17.2	39.8	5.3	1.8	1.8
Married, spouse present	29.0	2.9	2.7	3.4	3.1	3.9	52.8	36.7	66.0	68.3	36.0
Widowed	1.2	.4	-	.1	.6	2.1	1.8	.1	.2	1.4	8.8
Divorced	1.5	1.7	1.1	2.6	2.0	.7	1.3	1.8	2.0	1.0	.8

- Represents zero or rounds to zero.

¹Includes 15-19 year olds.

²Includes other marital status not shown separately.

Source of tables 52-54: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 372 and earlier reports.

NO. 55. INTERRACIAL MARRIED COUPLES: 1970 TO 1981

[In thousands. As of March. See headnote, table 56]

ITEM	1970	1980	1981	ITEM	1970	1980	1981
Total married couples	64,587	68,714	69,886	Other interracial married couples	245	484	607
Interracial married couples	310	661	639	Husband Black	8	20	17
All Black-White married couples	65	187	132	Wife Black	4	14	6
Husband Black, wife White	41	122	104	Husband White	139	287	289
Wife Black, husband White	24	45	28	Wife White	94	163	215

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-29, No. 77, series P-20, No. 371, and unpublished data.

NO. 56. NONFAMILY HOUSEHOLDERS, BY MARITAL STATUS: 1970 TO 1981

[In thousands of persons. 1970, 14 years old and over; 1980 and 1981, 15 years old and over. As of March. "Married" represents spouse absent. Data for 1980 were revised using population controls based on 1980 census; see text, p. 2. Based on Current Population Survey; see headnote, table 48]

MARITAL STATUS	1970	1980	1981				MARITAL STATUS	1970	1980	1981			
			Total	Under 35 yr	35-64 yr	65 yr and over				Total	Under 35 yr	35-64 yr	65 yr and over
Males	4,062	6,807	9,279	4,532	3,207	1,540	Females	7,893	12,419	12,780	2,610	3,783	6,187
Single	1,765	4,371	4,586	3,381	983	243	Single	1,806	3,302	3,341	2,169	718	454
Married	545	1,051	1,131	380	585	156	Married	618	675	725	167	388	180
Widowed	998	1,177	1,184	4	285	895	Widowed	4,815	6,569	6,739	19	1,513	5,206
Divorced	756	2,209	2,376	756	1,374	246	Divorced	844	1,673	1,975	455	1,152	368

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 372 and earlier reports; and unpublished data.

NO. 57. NONFAMILY HOUSEHOLDS, BY AGE OF HOUSEHOLDER AND PRESENCE OF NONRELATIVES: 1970 TO 1981

[1970, persons 14 years old and over; 1980 and 1981, 15 years old and over. See headnote, table 49]

ITEM	NONFAMILY HOUSEHOLDS		MALE HOUSEHOLDER (1,000)					FEMALE HOUSEHOLDER (1,000)				
	Total (1,000)	Pct	Total	15-24 yr	25-44 yr	45-64 yr	65 and over	Total	15-24 yr	25-44 yr	45-64 yr	65 and over
1970 (April), total	12,430	100.0	4,628	1,571	1,346	1,396	1,318	7,801	1,512	816	2,577	3,907
1-person (living alone)	11,115	89.4	3,985	1,345	1,134	1,283	1,224	7,150	1,328	685	2,421	3,706
Nonrelatives present	1,315	10.6	644	226	212	132	64	651	184	120	156	191
1980 (March), total ²	21,228	100.0	8,807	1,587	3,654	1,822	1,866	12,419	1,188	2,198	3,048	5,983
1-person (living alone)	18,296	86.2	6,866	847	2,920	1,613	1,486	11,330	779	1,809	2,901	5,842
Nonrelatives present	2,930	13.8	1,841	620	934	209	78	1,089	410	389	147	141
1981 (March), total	22,069	100.0	9,279	1,543	4,281	1,906	1,548	12,780	1,129	2,368	3,088	6,187
1-person (living alone)	18,938	85.8	7,253	889	3,180	1,715	1,450	11,683	752	1,940	2,948	6,034
Nonrelatives present	3,129	14.2	2,026	644	1,102	180	90	1,097	377	417	160	153

¹ Persons 14-24 years of age. ² Population controls based on 1980 census; see text, p. 2.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. II, part 4B; *Current Population Reports*, series P-20, Nos. 371 and 372; and unpublished data.

NO. 58. UNMARRIED COUPLES, BY SEX AND AGE OF PARTNERS: 1981

[In thousands. As of March. An "unmarried couple" is two unrelated adults of the opposite sex sharing the same household]

AGE OF MAN	All ages	AGE OF WOMAN				
		15-24 years	25-34 years	35-44 years	45-64 years	65 yr and over
All ages	1,808	688	688	161	182	89
15-24 years	434	363	70	9	1	2
25-34 years	780	297	442	32	5	2
35-44 years	252	31	132	60	23	5
45-64 years	232	5	43	47	106	31
65 years and over	110	-	2	3	46	59

- Represents zero.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 372.

No. 59. HOUSEHOLDS, BY RACE OF HOUSEHOLDER, AND POPULATION PER HOUSEHOLD:
1930 TO 1980

[As of April 1. Prior to 1980, excludes Alaska and Hawaii. For definition of household, see text, p. 3. See also *Historical Statistics, Colonial Times to 1970*, series A 288, A 304, and A 320-322]

ITEM	1930	1940	1950	1960	1970	1980
All households (1,000).....	29,905	34,949	42,857	53,021	63,450	80,390
Average annual change from prior year shown (1,000)	¹ 642	504	791	1,016	1,043	1,694
Percent ²	¹ 2.02	1.56	2.06	2.15	1.80	2.37
Population per household ³	4.11	3.77	3.52	3.38	3.20	2.82
White households (1,000).....	26,983	31,880	⁴ 39,044	47,868	56,529	68,810
Percent of total.....	90.2	90.6	91.2	90.3	89.1	85.6
Black households (1,000).....	2,804	3,142	⁴ 3,633	5,153	6,180	8,382
Other-race households (1,000).....	118	127	⁴ 149			

¹Change from 1920. ²Computed using the formula for continuous compounding; see Guide to Tabular Presentation.
³Obtained by dividing resident population by number of households; hence, not strictly average size of household because resident population includes members of group quarters. See table 1 for population 1930-1980. ⁴Occupied housing units from U.S. Census of Housing reports.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1930, 1950, 1970, and 1980*.

No. 60. HOUSEHOLDS, FAMILIES, SUBFAMILIES, MARRIED COUPLES, AND UNRELATED INDIVIDUALS:
1950 TO 1981

[In thousands, except as indicated. As of March. Prior to 1980, excludes Alaska and Hawaii. Based on Current Population Survey; includes members of Armed Forces living off post or with their families on post, but excludes all other members of Armed Forces; see text, pp. 1 and 2. Minus sign (-) denotes decrease. For definition of terms, see text, pp. 3 and 4. See also *Historical Statistics, Colonial Times to 1970*, series A 288-319]

TYPE OF UNIT	1960	1960	1965 ¹	1970 ¹	1975	1980 ²	1980 ³	1981	PERCENT CHANGE	
									1960-1970	1970-1981
Households.....	43,554	52,799	57,436	63,401	71,120	79,108	80,776	82,368	20.1	29.9
Family households.....	38,838	44,905	47,838	51,456	55,563	58,426	59,550	60,309	14.6	17.2
Nonfamily households.....	4,716	7,895	9,598	11,945	15,557	20,682	21,226	22,059	51.3	84.7
Average size of household.....	3.37	3.33	3.29	3.14	2.94	2.75	2.76	2.73	(x)	(x)
Families ⁴	39,303	45,111	47,956	51,586	55,712	58,426	59,550	60,309	14.4	16.9
Married couple ⁴	34,440	39,329	41,749	44,755	46,971	48,180	49,112	49,294	13.8	10.1
Male householder ^{4 5}	1,184	1,275	1,181	1,239	1,499	1,706	1,733	1,933	-2.8	56.0
Female householder ^{4 5}	3,679	4,507	5,026	5,591	7,242	8,540	8,705	9,082	24.1	62.4
Average size of family.....	3.54	3.67	3.70	3.58	3.42	3.28	3.29	3.27	(x)	(x)
White families.....	(NA)	3.61	3.64	3.52	3.36	3.22	3.23	3.20	(x)	(x)
Black families ⁶	(NA)	4.39	4.37	4.13	3.90	3.67	3.67	3.66	(x)	(x)
Family households.....	38,838	44,905	47,838	51,456	55,563	58,426	59,550	60,309	14.6	17.2
Married couple.....	34,075	39,254	41,689	44,728	46,951	48,180	49,112	49,294	13.9	10.2
With own children under 18.....	(NA)	(NA)	(NA)	25,532	25,165	24,568	24,961	24,927	(NA)	-2.4
Male householder ⁵	1,169	1,228	1,167	1,228	1,485	1,706	1,733	1,933	-	57.4
With own children under 18.....	(NA)	(NA)	(NA)	341	478	609	616	666	(NA)	95.3
Female householder ⁵	3,594	4,422	4,982	5,500	7,127	8,540	8,705	9,082	24.4	65.1
With own children under 18.....	(NA)	(NA)	(NA)	2,858	4,301	5,340	5,445	5,634	(NA)	97.1
Unrelated subfamilies.....	465	207	118	130	149	348	360	393	-37.2	202.3
Married couple.....	365	75	60	27	20	19	20	22	-64.0	(B)
Male reference person ⁵	16	47	14	11	14	36	36	36	(B)	(B)
Female reference person ⁵	85	85	44	91	115	294	304	334	7.1	267.0
Related subfamilies.....	2,402	1,514	1,293	1,150	1,349	1,115	1,150	1,226	-24.0	7.5
Married couple.....	1,651	871	729	617	576	567	582	580	-29.2	-6.0
Male reference person ⁵	113	115	72	46	69	55	54	78	-58.3	62.5
Female reference person ⁵	638	528	492	464	705	494	512	578	-8.3	19.4
Married couples.....	36,091	40,200	42,478	45,373	47,547	48,765	49,714	49,808	12.9	10.0
With own household.....	34,075	39,254	41,689	44,728	46,951	48,180	49,112	49,294	13.9	10.2
Without own household.....	2,016	946	789	645	596	585	602	602	-31.8	-6.7
Percent without.....	5.6	2.4	1.9	1.4	1.3	1.2	1.2	1.2	(x)	(x)
Unrelated individuals.....	9,136	11,092	12,333	14,966	19,100	25,838	29,426	27,346	35.1	82.5
Nonfamily householder.....	4,716	7,895	9,598	11,945	15,557	20,682	21,226	22,059	61.3	84.7
Male.....	1,668	2,716	3,277	4,083	5,912	8,594	8,807	9,279	49.6	128.4
Female.....	3,048	5,179	6,321	7,862	9,645	12,088	12,419	12,780	52.2	62.1
Secondary individuals.....	4,420	3,198	2,735	3,043	3,543	5,156	5,200	5,268	-4.8	73.8
Male.....	2,541	1,746	1,432	1,631	2,067	3,011	3,006	2,942	-6.6	80.4
Female.....	1,879	1,451	1,303	1,412	1,456	2,145	2,194	2,346	-2.7	66.1

- Represents zero. B Not shown; base less than 75,000. NA Not available. X Not applicable. ¹Data revised using population controls based on the 1970 census; therefore, figures do not agree with table 61. (The latter used population controls based on the 1960 census.) ²Population controls based on 1970 census; see text, p. 2. ³Population controls based on 1960 census; see text, p. 2. ⁴Beginning 1980, data are not comparable with prior years due to definitional change. ⁵No spouse present. ⁶Through 1965, data are for races other than White.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 371 and earlier issues.

No. 61. HOUSEHOLDS, BY NUMBER OF PERSONS: 1950 TO 1981

[In millions, except percent. As of March. For 1960-1979, data were not revised using population controls from subsequent census. Based on Current Population Survey; see headnote, table 60. See also *Historical Statistics, Colonial Times to 1970*, series A 335-348]

SIZE OF HOUSEHOLD	1950 ¹	1960	1969 ²	1970 ³	1975	1977	1978	1979	1980 ⁴	1981 ⁵
Total	43.5	52.8	57.9	62.9	71.1	74.1	75.0	77.3	78.1	80.8
1 person	4.7	6.0	6.6	10.7	13.9	15.5	16.7	17.2	17.6	18.3
Male	1.8	2.3	2.9	3.5	4.9	5.6	6.4	6.5	6.8	7.0
Female	3.0	4.6	5.7	7.2	9.0	9.9	10.4	10.7	11.0	11.3
2 persons	12.5	14.6	16.1	18.1	21.6	22.8	23.3	23.9	24.7	25.8
3 persons	9.8	9.9	10.2	10.9	12.4	12.8	13.0	13.4	13.6	14.1
4 persons	7.7	9.3	9.2	9.9	11.1	11.6	12.0	12.3	12.5	12.7
5 persons	4.4	6.1	6.3	6.5	6.4	6.3	6.4	6.2	6.0	6.1
6 persons	2.2	3.0	3.3	3.5	3.1	2.9	2.7	2.6	2.5	2.5
7 or more	2.1	2.9	3.5	3.2	2.5	2.3	1.9	1.8	1.7	1.6
Percent of total:										
1 person	10.8	13.1	15.0	17.0	19.6	20.9	22.0	22.2	22.5	22.7
2 persons	28.8	27.8	28.1	28.6	30.6	30.7	30.7	30.9	31.3	31.4
3 persons	22.6	18.9	17.9	17.3	17.4	17.3	17.2	17.3	17.5	17.7
4 persons	17.8	17.6	16.1	15.6	15.6	15.7	15.7	15.9	15.8	15.7
5 persons	10.0	11.5	11.0	10.4	9.0	8.6	8.4	8.0	7.6	7.4
6 persons	5.1	5.7	5.8	5.6	4.3	3.9	3.6	3.3	3.2	3.1
7 or more	4.9	5.4	6.1	5.1	3.5	3.1	2.5	2.3	2.2	2.0

¹Covers related persons only; therefore, not strictly comparable with later years. ²See footnote 1, table 60. ³Population controls based on 1970 census; see text, p. 2. ⁴Population controls based on 1980 census; see text, p. 2.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 371 and earlier reports.

No. 62. PERSONS LIVING ALONE, BY AGE AND SEX: 1960 TO 1981

[1960, census data as of April; thereafter, based on Current Population Survey as of March. See headnote, table 60]

SEX AND AGE	NUMBER OF PERSONS (1,000)							PERCENT DISTRIBUTION				
	1960	1969 ¹	1970	1975	1980 ²	1980 ³	1981	1960	1970	1975	1980 ⁴	1981
Both sexes	7,084	8,802	10,851	13,930	17,816	18,296	18,896	100.0	100.0	100.0	100.0	100.0
14-24 years ⁵	234	305	558	1,111	1,670	1,726	1,851	3.3	5.1	8.0	9.4	8.7
25-44 years	1,212	1,281	1,804	2,744	4,807	4,729	5,136	17.2	14.6	19.7	25.8	27.1
45-64 years	2,720	3,073	3,622	4,076	4,400	4,514	4,883	38.5	33.4	29.2	24.7	24.8
65 years and over	2,898	3,843	5,071	6,006	7,139	7,328	7,464	41.0	46.7	43.1	40.1	38.5
Male	3,628	3,823	3,532	4,948	6,793	6,986	7,253	37.2	32.6	30.9	30.1	30.3
14-24 years ⁵	124	141	274	610	918	947	899	1.6	2.5	4.4	5.2	4.7
25-44 years	686	737	933	1,689	2,848	2,920	3,189	9.7	8.6	12.1	18.0	16.8
45-64 years	985	1,013	1,152	1,329	1,569	1,613	1,715	13.7	10.6	9.5	8.8	8.1
65 years and over	853	1,033	1,174	1,290	1,437	1,486	1,450	12.1	10.8	9.3	6.1	7.7
Female	4,456	5,879	7,319	9,021	11,022	11,310	11,643	62.8	67.4	69.1	69.9	69.7
14-24 years ⁵	110	164	282	501	751	779	752	1.6	2.6	3.6	4.3	4.0
25-44 years	526	544	871	1,055	1,759	1,809	1,948	7.4	8.2	7.8	9.9	10.3
45-64 years	1,755	2,080	2,470	2,747	2,809	2,901	2,948	24.8	22.6	19.7	15.9	15.6
65 years and over	2,045	2,910	3,897	4,718	5,703	5,842	6,034	28.9	35.9	33.6	31.9	31.9

¹Data were not revised using population controls from 1970 census; see text, p. 2. ²Population controls based on 1970 census; see text, p. 2. ³Population controls based on 1980 census. ⁴Beginning 1980, persons 15-24 years old.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1980*, Subject Report, PC(2)-4B; *Current Population Reports*, series P-20, No. 372 and earlier reports; and unpublished data.

No. 63. HOUSEHOLDS, BY SELECTED CHARACTERISTICS OF HOUSEHOLDER: 1968 TO 1981

[As of March. Based on Current Population Survey; see headnote, table 60]

CHARACTERISTIC	1968	1970	1975	1974	1975	1978	1977	1978	1979	1980 ¹	1980 ²	1981
Total (million)	80.8	83.4	88.5	88.5	71.1	72.8	74.1	75.0	77.8	78.1	80.8	82.4
PERCENT DISTRIBUTION												
Male	79.6	78.9	77.4	77.1	75.4	75.8	75.4	74.6	74.2	71.8	71.8	71.2
Female	20.4	21.1	22.6	22.9	23.8	24.2	24.6	25.4	25.6	28.1	28.2	28.8
White	89.6	88.5	88.6	88.7	88.5	88.4	88.1	88.0	88.0	87.8	87.8	87.3
Black	9.5	9.8	10.0	10.1	10.2	10.3	10.5	10.5	10.4	10.6	10.6	10.7
Age of householder (years):												
14-24	6.3	6.6	6.0	6.4	6.2	5.1	5.1	6.2	6.2	16.1	16.1	17.8
25-34	17.5	16.5	19.9	20.5	21.0	21.3	21.6	22.1	22.0	22.6	22.9	23.3
35-44	19.7	18.6	17.2	16.8	16.7	16.6	16.6	17.1	17.2	17.8	17.3	17.6
45-54	19.8	19.5	18.6	18.5	18.2	17.6	17.4	17.4	16.9	15.8	15.7	15.4
55-64	17.1	17.1	16.4	16.0	15.9	16.0	15.9	16.0	15.9	15.4	15.5	15.4
65 and over	19.5	19.5	19.7	19.9	20.1	20.3	20.0	20.0	20.4	20.4	20.5	20.5

¹Population controls based on 1970 census. ²Population controls based on 1980 census. ³Persons 15 to 24 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 371 and earlier reports; and unpublished data.

No. 64. HOUSEHOLD CHARACTERISTICS, BY RACE AND SPANISH ORIGIN: 1981

[As of March. Based on Current Population Survey, see headnote, table 60. Persons of Spanish origin may be of any race. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	ALL HOUSEHOLDS			BLACK HOUSEHOLDS			SPANISH-ORIGIN HOUSEHOLDS		
	Number (1,000)	Per- cent	Persons per house- hold	Number (1,000)	Per- cent	Persons per house- hold	Number (1,000)	Per- cent	Persons per house- hold
Total	82,366	100.0	2.73	8,847	100.0	2.96	3,906	100.0	3.47
Northeast	17,781	21.6	2.73	1,883	19.0	2.86	723	18.5	3.20
North Central	21,200	25.7	2.73	1,816	20.5	3.00	299	7.7	3.44
South	27,220	33.0	2.75	4,488	50.7	3.06	1,325	33.9	3.53
West	16,167	19.6	2.68	859	9.7	2.74	1,559	39.9	3.55
Nonfarm	80,527	97.8	2.72	8,766	99.3	2.97	3,877	99.3	3.46
Farm	1,841	2.2	3.07	82	.7	4.29	29	.7	4.08
In metropolitan areas (SMSA's) ¹	66,072	80.1	2.71	6,972	78.8	2.93	3,280	84.0	3.42
In central cities	24,473	29.7	2.53	5,209	58.9	2.86	1,834	46.9	3.33
Outside central cities	31,599	38.4	2.84	1,763	19.9	3.16	1,346	34.5	3.56
One million population or more	31,956	38.8	2.70	4,523	51.1	2.87	2,178	55.8	3.37
In central cities	12,910	15.7	2.49	3,363	38.0	2.82	1,245	31.9	3.23
Outside central cities	19,046	23.1	2.84	1,160	13.1	3.01	932	23.9	3.56
Under 1 million population	24,117	29.3	2.72	2,448	27.7	3.06	1,103	28.2	3.52
In central cities	11,563	14.0	2.57	1,846	20.9	2.93	689	17.6	3.50
Outside central cities	12,554	15.2	2.85	603	6.8	3.45	414	10.6	3.57
Outside metropolitan areas	26,296	31.9	2.77	1,876	21.2	3.15	626	16.0	3.72
Nonfarm	24,783	30.1	2.76	1,816	20.5	3.11	605	15.5	3.70
Farm	1,514	1.9	3.06	60	.7	4.43	21	.5	4.27
Relationship to householder									
All members related	78,132	94.9	2.72	8,330	94.2	2.96	3,668	93.9	3.47
All members unrelated	3,124	3.8	2.34	311	3.5	2.37	138	3.5	2.52
Some members unrelated	1,114	1.4	4.46	206	2.3	4.78	100	2.6	4.73
Marital status									
Male householder	68,666	71.2	3.01	4,674	52.8	3.10	2,806	71.8	3.70
Married, wife present	47,479	57.8	3.35	3,137	35.5	3.66	2,254	57.7	4.12
Married, wife absent	1,440	1.7	1.81	341	3.9	1.54	117	3.0	2.10
Separated	1,067	1.3	1.65	291	3.3	1.58	67	1.7	2.10
Other	373	.5	1.49	51	.6	1.42	49	1.3	2.10
Widowed	1,582	1.9	1.52	227	2.6	1.56	53	1.4	2.15
Divorced	2,965	3.6	1.62	371	4.2	1.56	114	2.9	1.97
Single (never married)	5,205	6.3	1.53	598	6.8	1.58	268	6.9	1.93
Female householder	23,694	28.8	2.03	4,174	47.2	2.84	1,101	28.2	2.88
Married, husband present	1,821	2.2	3.09	255	2.9	3.73	111	2.8	3.72
Married, husband absent	2,680	3.1	2.81	950	10.7	3.31	272	7.0	3.30
Separated	2,139	2.6	2.94	870	9.8	3.34	241	6.2	3.39
Other	451	.5	2.22	79	.9	2.80	32	.8	2.61
Widowed	9,203	11.2	1.56	1,100	12.4	2.41	191	4.9	2.39
Divorced	5,254	6.4	2.33	815	9.2	2.84	297	7.6	2.92
Single (never married)	4,816	5.8	1.77	1,053	11.9	2.58	229	5.9	2.35
Age of householder									
15-24 years	6,443	7.8	2.25	791	8.9	2.47	452	11.6	2.70
25-34 years	19,153	23.3	2.92	2,268	25.6	3.11	1,187	30.4	3.53
35-44 years	14,482	17.6	3.65	1,851	19.7	3.83	845	21.6	4.32
45-54 years	12,894	15.4	3.30	1,422	16.1	3.49	630	16.1	3.81
55-64 years	12,704	15.4	2.36	1,228	13.9	2.71	441	11.3	2.96
65 years and over	16,911	20.5	1.74	1,489	16.8	2.06	352	9.0	2.24
Size of household									
One person	19,936	23.0	(x)	2,219	25.1	(x)	533	13.6	(x)
Two persons	26,787	31.3	(x)	2,136	24.1	(x)	843	21.6	(x)
Three persons	14,589	17.7	(x)	1,574	17.8	(x)	783	20.0	(x)
Four persons	12,788	15.5	(x)	1,304	14.7	(x)	759	19.4	(x)
Five persons	6,117	7.4	(x)	769	8.7	(x)	488	12.0	(x)
Six persons	2,549	3.1	(x)	430	4.9	(x)	265	6.8	(x)
Seven persons or more	1,843	2.0	(x)	415	4.7	(x)	258	6.6	(x)
Employment status of householder									
In labor force	59,227	71.9	2.89	5,796	65.5	3.13	2,941	75.3	3.62
Civilian labor force	58,532	71.1	2.89	5,714	64.6	3.12	2,900	74.2	3.62
Employed	55,272	67.1	2.98	5,074	57.4	3.12	2,862	68.2	3.63
Unemployed	3,260	4.0	3.00	640	7.2	3.14	238	6.1	3.62
Not in labor force	23,142	28.1	2.06	3,052	34.5	2.70	965	24.7	3.00
Employed	55,272	67.1	2.98	5,074	57.4	3.12	2,862	68.2	3.63
White-collar	28,156	34.2	2.83	1,779	20.1	2.77	846	21.6	3.27
Blue-collar	20,088	24.4	3.23	2,024	22.9	3.46	1,344	34.4	3.88
Farm workers	1,600	1.9	3.34	62	.9	4.07	105	2.7	4.73
Service workers	5,460	6.6	2.79	1,189	13.4	3.01	368	9.4	3.25

X Not applicable. ¹ 243 standard metropolitan statistical areas as of the 1970 census.

Source: U.S. Bureau of the Census, Current Population Reports, series P-80, No. 132, and series P-20, No. 371

No. 65. HOUSEHOLDS AND FAMILIES, BY RACE OF HOUSEHOLDER: 1960 TO 1981

[As of March. Based on Current Population Survey; see headnote, table 60. See also *Historical Statistics, Colonial Times to 1970*, series A 292-295 and A 320-334]

RACE OF HOUSEHOLDER	NUMBER (1,000)					PERCENT				
	1960	1970	1975	1980 ¹	1981	1960	1970	1979	1980 ¹	1981
Households, total	52,780	² 63,401	² 71,120	² 80,776	² 82,368	(x)	(x)	(x)	(x)	(x)
White	47,865	56,802	62,945	70,780	71,872	100.0	100.0	100.0	100.0	100.0
Married couple	36,175	41,029	42,951	44,751	44,860	78.2	72.5	68.2	63.2	62.4
Male householder ³	3,365	4,444	6,295	8,940	9,404	6.8	7.9	10.0	12.6	13.1
Female householder ³	8,125	11,129	13,700	17,075	17,608	17.0	19.7	21.8	24.1	24.5
Black	⁴ 5,134	⁴ 6,223	⁴ 7,262	⁴ 8,966	⁴ 8,847	⁴ 100.0	100.0	100.0	100.0	100.0
Married couple	⁴ 3,079	3,317	3,343	3,433	3,392	⁴ 60.3	53.3	46.0	40.0	38.3
Male householder ³	⁴ 579	745	1,002	1,402	1,536	⁴ 11.0	12.0	13.8	16.3	17.4
Female householder ³	⁴ 1,476	2,161	2,917	3,751	3,919	⁴ 28.7	34.7	40.2	43.7	44.3
Families, total ⁵	45,111	² 51,565	² 55,712	² 59,550	² 60,309	(x)	(x)	(x)	(x)	(x)
White	46,399	48,261	49,451	52,243	53,719	100.0	100.0	100.0	100.0	100.0
Married couple	36,212	41,049	42,969	44,751	44,860	88.7	88.7	88.9	85.7	85.1
Male householder ³	1,100	1,048	1,270	1,441	1,584	2.6	2.3	2.6	2.8	3.0
Female householder ³	3,557	4,165	5,212	6,052	6,266	8.7	9.0	10.5	11.6	11.9
Black	⁴ 4,242	⁴ 4,887	⁴ 5,498	⁴ 6,184	⁴ 6,317	⁴ 100.0	100.0	100.0	100.0	100.0
Married couple	⁴ 3,117	3,323	3,348	3,433	3,392	⁴ 73.6	68.0	60.9	55.5	53.7
Male householder ³	⁴ 175	162	212	256	291	⁴ 4.0	3.7	3.9	4.1	4.6
Female householder ³	⁴ 950	1,382	1,940	2,495	2,634	⁴ 22.4	28.3	35.3	40.3	41.7

X Not applicable. ¹Population controls based on 1980 census, see text, p. 2. ²Includes other races, not shown separately. ³No spouse present. ⁴Black and other races. ⁵See footnote 4, table 80.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 371 and earlier reports; and unpublished data.

No. 66. HOUSEHOLDS BY TYPE, RACE AND METROPOLITAN—NONMETROPOLITAN RESIDENCE: 1981

[As of March. Based on Current Population Survey; see headnote, table 60. Persons of Spanish origin may be of any race. Covers 243 standard metropolitan statistical areas as defined in 1970 census publications]

TYPE OF HOUSEHOLD	Unit	ALL RACES ¹			WHITE		BLACK		SPANISH ORIGIN	
		Total	Metro. area	Non-metro. area	Metro. area	Non-metro. area	Metro. area	Non-metro. area	Metro. area	Non-metro. area
HOUSEHOLDS										
Total	1,000	82,368	55,072	26,296	47,540	24,032	6,972	1,876	3,280	626
Family households	1,000	60,309	40,203	20,105	34,336	18,374	4,898	1,419	2,693	542
Married couple	1,000	49,294	32,157	17,137	28,803	16,057	2,555	837	1,932	433
Male householder ²	1,000	1,933	1,389	544	1,113	471	232	59	135	29
Female householder ²	1,000	9,082	6,658	2,424	4,420	1,846	2,111	523	626	79
Nonfamily households	1,000	22,059	15,868	6,191	13,504	5,658	2,074	456	587	84
Male householder	1,000	9,279	6,860	2,419	5,676	2,144	1,017	228	341	47
Female householder	1,000	12,780	9,008	3,772	7,626	3,515	1,058	229	246	36
PERCENT DISTRIBUTION										
Total	Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Family households	Percent	73.2	71.7	76.5	71.8	76.5	70.3	75.6	62.1	86.6
Married couple	Percent	59.8	57.3	65.2	60.2	68.8	36.6	44.6	58.9	69.2
Male householder ²	Percent	2.3	2.5	2.1	2.3	2.0	3.3	3.1	4.1	4.6
Female householder ²	Percent	11.0	11.9	9.2	9.2	7.7	30.3	27.9	19.1	12.6
Nonfamily households	Percent	26.8	28.3	23.5	28.2	23.5	29.7	24.3	17.9	13.4
Male householder	Percent	11.3	12.2	9.2	11.9	8.9	14.6	12.2	10.4	7.5
Female householder	Percent	15.5	16.1	14.3	16.4	14.6	15.1	12.2	7.5	6.1
PERSONS IN HOUSEHOLDS										
All households ³	1,000	224,723	151,764	72,959	127,020	55,737	20,453	5,904	11,224	2,328
Married couple family households	1,000	184,743	107,967	56,756	94,877	52,499	9,776	3,280	7,845	1,846
Female householder ⁴	1,000	42,427	30,828	11,599	21,573	9,175	8,701	2,200	2,446	315
PERSONS PER HOUSEHOLD										
All households ³	Number	2.73	2.71	2.77	2.98	2.74	2.98	3.15	3.42	3.72
Married couple family households	Number	3.34	3.36	3.31	3.29	3.27	3.83	3.92	4.08	4.26
Female householder ⁴	Number	1.94	1.97	1.87	1.76	1.71	2.75	2.93	2.80	2.89

¹Includes other races not shown separately. ²No spouse present. ³Includes other types of households, not shown separately. ⁴Covers female family householders with no spouse present and female nonfamily householders.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 371.

No. 67. HOUSEHOLDS, BY TYPE—SELECTED SMSA'S: 1980

[In thousands, except percent. As of April 1. Covers Standard Metropolitan Statistical Areas (SMSA's) with one million or more persons in 1980, as defined by U.S. Office of Management and Budget, June 30, 1981. See Appendix II. Provisional data based on the Early National Sample from the 1980 census; see text, p. 1 and Appendix III]

SMSA	FAMILIES							NONFAMILY HOUSEHOLDS	
	Total ¹	Married couple, total	Female householder, total ²	With own children under 18 years				Total	One-person
				Total ¹	Married couple		Female householder ²		
					Number	Per-cent of all fami-lies with chil-dren			
Anaheim-Santa Ana-Garden Grove, Calif.....	493	412	59	257	210	81.7	38	193	143
Atlanta, Ga.....	535	425	91	296	233	78.4	58	187	152
Baltimore, Md.....	565	431	108	288	216	75.1	62	196	163
Boston, Mass.....	669	527	118	326	258	79.3	61	321	260
Buffalo, N.Y.....	324	261	51	160	129	80.9	27	121	106
Chicago, Ill.....	1,799	1,382	339	937	706	75.4	207	698	604
Cincinnati, Ohio-Ky.-Ind.....	364	300	53	194	157	81.0	32	136	120
Cleveland, Ohio.....	499	402	80	247	195	78.9	46	191	170
Columbus, Ohio.....	277	227	41	147	115	78.4	28	118	97
Dallas-Fort Worth, Tex.....	763	649	104	424	345	81.4	68	291	243
Denver-Boulder, Colo.....	408	340	55	218	177	81.0	37	199	154
Detroit, Mich.....	1,120	881	200	586	456	76.5	128	384	329
Fort Lauderdale-Hollywood, Fla.....	293	248	35	108	84	78.9	19	126	104
Houston, Tex.....	750	620	99	426	350	82.2	65	282	233
Indianapolis, Ind.....	311	258	44	167	132	79.0	30	108	93
Kansas City, Mo.-Kans.....	354	294	49	185	146	80.1	33	137	118
Los Angeles-Long Beach, Calif.....	1,815	1,399	310	943	704	74.6	198	911	743
Miami, Fla.....	418	330	71	186	143	77.0	37	188	159
Milwaukee, Wis.....	361	296	54	191	151	79.0	36	141	118
Minneapolis-St. Paul, Minn-Wis.....	531	451	65	294	246	83.4	42	230	183
Nassau-Suffolk, N.Y.....	663	576	73	351	306	87.3	40	151	131
New Orleans, La.....	303	227	63	163	119	73.1	38	119	103
New York, N.Y.-N.J.....	2,304	1,657	547	1,105	749	87.8	327	1,201	1,062
Newark, N.J.....	509	394	95	258	183	74.5	59	165	144
Philadelphia, Pa.-N.J.....	1,206	947	209	604	473	78.3	115	431	371
Phoenix, Ariz.....	393	335	45	194	160	82.4	29	156	124
Pittsburgh, Pa.....	615	511	81	279	236	84.5	37	216	194
Portland, Oreg.-Wash.....	327	274	42	170	136	80.0	29	152	121
Riverside-San Bernardino-Ontario, Calif.....	416	351	52	216	175	80.9	36	135	111
Sacramento, Calif.....	266	217	39	137	104	76.1	28	119	93
St. Louis, Mo.-Ill.....	621	504	95	322	259	80.3	55	219	193
San Antonio, Tex.....	267	218	41	151	121	60.3	26	81	71
San Diego, Calif.....	458	369	71	230	175	76.3	47	211	160
San Francisco-Oakland, Calif.....	801	637	128	387	299	77.1	77	480	377
San Jose, Calif.....	325	267	44	176	142	80.2	29	134	100
Seattle-Everett, Wash.....	412	345	52	207	165	79.5	36	205	161
Tampa-St. Petersburg, Fla.....	451	378	60	174	134	77.3	34	190	163
Washington, D.C.-Md.-Va.....	757	590	134	410	315	76.8	82	356	286

¹ Includes male family householders with no spouse present.
² With no spouse present.

Source: U.S. Bureau of the Census, 1980 Census of Population and Housing, Supplementary Report, series PHC 80-S1-1.

No. 68. HOUSEHOLDS—STATES: 1960 TO 1980

[As of April 1. For definition of household, see text, p. 3. For composition of regions, see fig. 1, inside front cover. Minus sign (—) denotes decrease]

REGION, DIVISION, AND STATE	HOUSEHOLDS (1,000)			PERSONS IN HOUSEHOLDS (1,000)		PERSONS PER HOUSEHOLD		PERCENT CHANGE			
	1960	1970	1980	1970	1980	1970	1980	Households		Per- sons in house- holds, 1970- 1980	Per- sons per house- hold, 1970- 1980
								1960- 1970	1970- 1980		
U.S.	53,021	53,480	66,380	197,400	220,798	3.11	2.75	19.7	28.7	11.9	- 11.8
Regions:											
Northeast	13,521	15,483	17,471	47,701	47,841	3.06	2.74	14.5	12.8	.3	- 11.0
North Central	15,377	17,537	20,859	55,037	57,368	3.14	2.75	14.0	16.9	4.2	- 12.4
South	15,503	19,258	26,486	60,911	73,440	3.18	2.77	24.2	37.5	20.6	- 12.3
West	8,619	11,172	15,574	33,751	42,147	3.02	2.71	29.6	39.4	24.9	- 10.3
N. Eng.	3,118	3,845	4,362	11,412	11,836	3.13	2.74	17.9	19.7	4.6	- 12.5
Maine	280	303	365	857	1,088	3.16	2.75	8.2	30.5	13.7	13.0
N.H.	180	225	323	707	891	3.14	2.75	25.0	43.6	26.0	- 12.4
Vt.	111	132	178	424	491	3.21	2.75	18.9	36.0	15.8	- 14.3
Mass.	1,536	1,780	2,033	5,482	5,537	3.12	2.72	14.7	15.5	1.0	12.8
R.I.	257	292	339	896	913	3.07	2.70	13.6	16.0	1.8	- 12.1
Conn.	753	933	1,084	2,846	3,019	3.18	2.78	23.9	17.2	2.5	- 12.7
Mid. Atl.	10,406	11,837	13,109	36,289	36,803	3.07	2.74	13.6	10.7	- 1.1	- 10.7
N.Y.	5,248	5,914	6,340	17,775	17,108	3.01	2.70	12.7	7.2	- 3.8	- 10.3
N.J.	1,806	2,218	2,549	7,021	7,228	3.17	2.84	22.6	14.9	2.9	- 10.4
Pa.	3,351	3,705	4,220	11,482	11,688	3.10	2.74	10.6	13.9	6	11.6
E. No. Cent.	10,710	12,363	14,684	36,263	40,719	3.17	2.76	13.3	18.3	3.7	- 12.3
Ohio	2,852	3,289	3,834	10,407	10,869	3.18	2.78	15.3	16.5	1.6	- 12.7
Ind.	1,388	1,609	1,927	5,057	5,345	3.14	2.77	15.9	19.7	5.7	- 11.8
Ill.	3,086	3,502	4,045	10,830	11,156	3.09	2.76	13.5	15.5	3.0	- 10.7
Mich.	2,239	2,653	3,195	8,575	9,084	3.27	2.84	18.5	20.4	4.5	13.1
Wis.	1,146	1,329	1,652	4,284	4,577	3.22	2.77	16.0	24.3	6.6	- 14.0
W. No. Cent.	4,888	5,154	6,295	15,785	16,658	3.06	2.68	10.4	20.4	5.5	- 12.4
Minn.	992	1,154	1,445	3,682	3,958	3.20	2.74	16.3	25.2	7.2	- 14.4
Iowa	841	896	1,053	2,734	2,817	3.06	2.68	6.5	17.5	3.0	12.1
Mo.	1,360	1,521	1,793	4,538	4,768	2.98	2.67	11.8	17.9	5.5	- 10.4
N. Dak.	173	182	228	591	626	3.25	2.75	5.2	25.4	5.9	- 15.4
S. Dak.	195	201	243	638	665	3.18	2.74	3.1	20.8	4.2	13.8
Nebr.	433	474	571	1,431	1,521	3.02	2.66	9.5	20.8	8.3	- 11.8
Kans.	673	727	872	2,181	2,283	2.97	2.62	6.0	19.9	5.6	- 11.8
So. Atl.	7,388	8,438	13,189	28,571	35,865	3.14	2.73	23.9	39.4	21.2	- 13.1
Del.	129	165	207	532	578	3.23	2.79	27.9	25.7	8.6	- 13.6
Md.	663	1,175	1,461	3,818	4,123	3.25	2.82	38.2	24.3	8.0	- 13.2
D.C.	252	263	253	715	808	2.72	2.40	4.4	3.6	- 15.2	11.8
Va.	1,074	1,391	1,883	4,452	5,170	3.20	2.79	29.5	34.0	16.1	- 12.8
W. Va.	521	547	686	1,705	1,915	3.12	2.79	5.0	25.4	12.3	- 10.6
N.C.	1,205	1,510	2,043	4,893	5,867	3.24	2.78	25.3	35.4	18.2	- 14.2
S.C.	604	734	1,030	2,486	3,018	3.39	2.93	21.5	40.3	21.3	- 13.6
Ge.	1,070	1,369	1,872	4,452	5,320	3.25	2.84	27.9	36.7	19.5	- 12.6
Fla.	1,550	2,285	3,744	6,818	9,550	2.90	2.61	47.4	63.9	44.3	- 12.1
E. So. Cent.	3,307	3,868	5,061	12,466	14,308	3.22	2.63	17.0	30.6	14.8	- 12.1
Ky.	852	964	1,263	3,119	3,558	3.17	2.82	15.5	29.4	14.1	11.0
Tenn.	1,003	1,213	1,819	3,824	4,479	3.15	2.77	20.9	33.4	17.1	- 12.1
Ala.	864	1,034	1,342	3,364	3,818	3.25	2.84	17.0	29.6	13.4	- 12.6
Miss.	568	637	827	2,158	2,455	3.39	2.97	12.1	29.9	13.7	- 12.4
W. So. Cent.	4,828	5,962	8,276	18,774	23,167	3.15	2.80	20.8	38.0	23.4	11.1
Ark.	524	615	816	1,878	2,235	3.05	2.74	17.4	32.6	19.0	- 10.2
La.	892	1,062	1,412	3,541	4,110	3.37	2.91	17.9	34.2	18.1	13.6
Okla.	735	851	1,119	2,468	2,936	2.90	2.62	15.8	31.5	18.9	- 9.7
Tex.	2,778	3,424	4,929	10,888	13,886	3.17	2.82	23.6	43.5	27.6	- 11.0
Int.	1,978	2,519	3,986	8,044	11,198	3.19	2.79	27.4	68.3	36.5	12.5
Mont.	202	217	284	674	767	3.10	2.70	7.4	30.6	13.8	- 12.9
Idaho	194	219	324	694	925	3.17	2.85	12.9	48.0	33.9	- 10.1
Wyo.	99	105	166	323	461	3.09	2.78	6.1	58.3	42.7	- 10.0
Colo.	529	691	1,081	2,125	2,818	3.08	2.85	30.6	53.6	32.5	- 14.0
N. Mex.	251	289	441	692	1,280	3.43	2.90	15.1	52.6	29.0	- 15.5
Ariz.	367	539	857	1,726	2,799	3.20	2.79	48.9	77.5	54.5	12.6
Utah	242	298	449	1,031	1,436	3.46	3.20	23.1	50.6	39.3	- 7.5
Nev.	92	180	304	479	789	2.99	2.59	73.9	90.1	64.5	13.4
Pac.	6,844	8,643	11,887	25,708	31,008	2.87	2.68	36.3	33.9	20.8	8.8
Wash.	894	1,106	1,541	3,291	4,023	2.98	2.61	23.7	39.3	22.2	- 12.4
Oreg.	558	692	992	2,034	2,575	2.94	2.60	24.0	43.4	26.6	11.6
Calif.	4,981	6,574	8,830	19,374	23,100	2.95	2.68	32.0	31.3	19.2	- 9.2
Alaska	57	79	131	278	388	3.52	2.93	38.6	65.3	38.8	- 18.8
Hawaii	153	203	294	730	925	3.80	3.15	32.7	44.8	26.7	- 12.3

Sources: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1, part B, and *1980 Census of Population*, vol. 1, part B.

No. 69. HOUSEHOLDS, BY TYPE—STATES: 1960

[In thousands. As of April 1. Provisional data based on the Early National Sample from the 1960 census; see text, p. 2 and Appendix III. For composition of regions, see figure 1, inside front cover]

REGION, DIVISION, AND STATE	FAMILIES				Non- family	REGION, DIVISION, AND STATE	FAMILIES				Non- family
	Total ¹	Married couple		One- per- ent ²			Total ¹	Married couple		One- per- ent ²	
		Total	With own children under 18 yrs.					Total	With own children under 18 yrs.		
U.S.....	58,976	48,642	24,501	5,792	21,458	So. Atl.—Con.					
Northeast.....	12,644	10,179	5,006	1,266	4,811	Md.....	1,095	865	449	124	371
No. Cent.....	15,379	12,914	6,619	1,419	5,497	D.C.....	135	77	32	31	119
South.....	19,977	16,455	8,273	1,935	6,539	Va.....	1,391	1,143	588	133	468
West.....	10,974	9,093	4,602	1,150	4,612	W. Va.....	530	451	232	38	157
N. Eng.....	3,100	2,363	1,268	298	1,198	N.C.....	1,579	1,293	650	154	468
Maine.....	296	251	131	25	101	S.C.....	809	657	351	81	222
N.H.....	239	204	108	21	85	Ga.....	1,435	1,146	624	159	437
Vt.....	128	109	58	11	50	Fla.....	2,695	2,253	895	240	1,049
Mass.....	1,435	1,158	576	138	592	E. So. Cent.....	3,922	3,222	1,662	380	1,130
R.I.....	245	200	98	23	93	Ky.....	987	830	436	88	277
Conn.....	816	665	328	80	278	Tenn.....	1,247	1,025	514	121	368
Mid. Atl.....	9,484	7,593	3,711	988	3,612	Ala.....	1,041	853	438	97	302
N.Y.....	4,410	3,430	1,681	539	1,922	Miss.....	648	514	273	75	183
N.J.....	1,936	1,563	768	199	615	W. So. Cent.....	6,232	5,220	2,728	501	3,868
Pa.....	3,138	2,601	1,282	251	1,075	Ark.....	630	534	280	56	191
E. No. Cent.....	10,884	9,007	4,626	1,078	3,098	La.....	1,060	868	473	124	341
Ohio.....	2,858	2,403	1,219	263	978	Okla.....	624	714	350	63	290
Ind.....	1,467	1,242	645	134	469	Tex.....	3,697	3,104	1,645	338	1,247
Ill.....	2,938	2,352	1,190	322	1,114	Mt.....	2,810	2,493	1,317	257	1,085
Mich.....	2,391	1,980	1,026	264	802	Mont.....	209	183	97	16	77
Wis.....	1,211	1,049	547	96	443	Idaho.....	246	217	117	19	77
W. No. Cent.....	4,515	3,907	1,593	341	1,691	Wyo.....	122	109	61	8	44
Minn.....	1,036	898	483	78	406	Colo.....	735	626	327	67	323
Iowa.....	774	684	348	52	282	N. Mex.....	335	280	154	35	109
Mo.....	1,310	1,104	542	114	482	Ariz.....	701	597	288	62	262
N. Dak.....	169	150	82	9	61	Utah.....	352	312	191	27	98
S. Dak.....	179	157	62	13	65	Nev.....	206	171	82	22	97
Nebr.....	413	362	188	28	159	Pac.....	8,044	6,600	3,285	893	3,527
Kans.....	633	551	272	47	237	Wash.....	1,064	919	456	108	456
So. Atl.....	9,823	8,013	3,968	974	3,340	Oreg.....	701	597	287	70	292
Del.....	155	126	84	16	52	Calif.....	5,958	4,815	2,389	685	2,675
						Alaska.....	96	62	51	10	36
						Hawaii.....	225	187	103	20	68

¹ Includes male and female householders with no spouse present and without own children under 18 years old. ² Male or female householder with no spouse present and with own children under 18 years old.

Source: U.S. Bureau of the Census, 1960 Census of Population and Housing, Supplementary Report, series PHC 80-S1-1.

No. 70. PERCENT DISTRIBUTION OF FAMILIES, BY NUMBER OF OWN CHILDREN UNDER 18 YEARS OLD: 1950 TO 1981

[As of March, except 1960 and 1980 as of April. Prior to 1960, excludes Alaska and Hawaii. Except for 1950 and 1960, based on Current Population Survey; see headnote, table 71. See also Historical Statistics, Colonial Times to 1970, series A 353-358]

NUMBER OF CHILDREN	1950	1960	1965	1970	1975	1977	1973	1978	1980 ¹	1980 ²	1981
All families (1,000).....	38,453	45,149	47,956	51,565	55,712	55,710	57,215	57,804	58,426	59,550	60,309
Percent distribution.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No children.....	48.4	43.1	43.4	44.1	46.0	46.8	46.9	47.5	47.8	47.9	48.2
1 child.....	21.0	18.4	17.7	18.2	19.7	19.6	20.3	20.6	20.9	20.9	21.1
2 children.....	16.5	18.0	16.8	17.4	18.0	18.9	19.0	19.0	19.3	19.3	19.2
3 children.....	4.2	20.5	11.0	10.6	9.3	9.0	8.8	8.5	7.9	7.8	7.7
4 or more children.....			11.1	9.8	6.9	5.7	5.0	4.5	4.1	4.1	3.8
Black families (1,000).....	³ 3,432	³ 4,382	³ 4,762	4,397	5,498	5,804	5,806	5,905	6,042	6,184	6,317
Percent distribution.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No children.....	51.7	43.6	40.1	38.9	36.8	38.2	37.3	37.5	38.2	38.2	38.7
1 child.....	16.6	15.6	16.8	17.6	22.0	21.5	23.3	23.5	23.4	23.4	23.4
2 children.....	11.4	12.8	13.8	14.8	17.0	17.6	18.6	19.5	20.1	20.0	19.9
3 children.....	20.3	27.9	9.9	10.1	10.6	11.2	10.9	10.8	10.1	10.2	10.4
4 or more children.....			19.5	18.5	13.6	11.5	9.9	8.8	8.1	8.2	7.7

¹ Population controls based on 1970 census; see text, p. 2. ² Population controls based on 1980 census; see text, p. 2. ³ Black and other than white races.

Source: U.S. Bureau of the Census, U.S. Census of Population, 1960 and 1980, vol. II, and Current Population Reports, series P-20, No. 371 and earlier reports.

No. 71. FAMILIES, BY CHARACTERISTICS: 1960 TO 1981

[In thousands, except percent. As of March. Based on Current Population Survey; includes members of Armed Forces living off post or with families on post, but excludes other Armed Forces; see text, p. 2. For definition of families, see text, p. 4. Beginning 1980, data not comparable with prior years because of definitional change]

CHARACTERISTIC	ALL FAMILIES		MARRIED COUPLE		MALE HOUSEHOLDER ¹		FEMALE HOUSEHOLDER ¹		BLACK FAMILIES	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1960	45,111	(x)	39,329	(x)	1,275	(x)	4,507	(x)	² 4,242	(x)
1965	47,955	(x)	41,749	(x)	1,181	(x)	5,026	(x)	² 4,752	(x)
1970	51,586	(x)	44,755	(x)	1,239	(x)	5,591	(x)	4,887	(x)
1975	55,712	(x)	46,971	(x)	1,499	(x)	7,242	(x)	5,496	(x)
1978	57,215	(x)	47,385	(x)	1,594	(x)	8,236	(x)	5,806	(x)
1979	57,604	(x)	47,692	(x)	1,655	(x)	8,458	(x)	5,906	(x)
1980 ³	58,426	(x)	48,180	(x)	1,706	(x)	8,540	(x)	6,042	(x)
1980 ⁴	59,550	(x)	49,112	(x)	1,733	(x)	8,705	(x)	6,184	(x)
1981, total	60,309	100.0	49,294	100.0	1,933	100.0	9,062	100.0	6,317	100.0
White	52,710	87.4	44,860	91.0	1,584	81.9	6,266	69.0	(x)	(x)
Black	6,317	10.5	3,392	6.9	291	15.1	2,634	29.0	6,317	100.0
Size of family:										
2 persons	23,766	39.4	18,400	37.3	1,225	63.4	4,143	45.6	1,984	31.1
3 persons	14,039	23.3	10,941	22.2	452	23.4	2,846	29.1	1,514	24.0
4 persons	12,436	20.6	11,060	22.4	147	7.6	1,229	13.5	1,270	20.1
5 persons	6,020	10.0	5,384	10.9	65	3.4	591	6.5	751	11.9
6 persons	2,471	4.1	2,195	4.5	24	1.2	251	2.8	416	6.6
7 or more persons	1,575	2.6	1,333	2.7	20	1.0	222	2.4	402	6.4
Own children under age 18:										
None	29,062	46.2	24,367	49.4	1,267	65.5	3,448	38.0	2,444	38.7
1	12,745	21.1	9,732	19.7	390	20.2	2,624	28.9	1,480	23.4
2	11,502	19.2	9,525	19.3	186	9.6	1,881	20.7	1,257	19.9
3	4,616	7.7	3,843	7.8	62	3.2	711	7.8	655	10.4
4 or more	2,274	3.8	1,826	3.7	28	1.4	417	4.6	482	7.7
Own children under age 6:										
None	46,672	77.4	37,791	76.7	1,760	91.1	7,121	78.4	4,591	72.7
1	9,356	15.5	7,782	15.6	144	7.4	1,432	15.8	1,168	18.5
2	3,849	6.1	3,187	6.5	23	1.2	436	4.8	451	7.1
3 or more	630	1.0	533	1.1	5	.3	91	1.0	107	1.7

X Not applicable. ¹No spouse present. ²Black and other races. ³Population controls based on 1970 census; see text, p. 2. ⁴Population controls based on 1980 census; see text, p. 2.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 371, and earlier issues.

No. 72. PERSONS IN FAMILIES BY SEX, AGE, AND TYPE OF FAMILY: 1970 TO 1981

[In millions, except percent. As of March. Based on Current Population Survey. See headnote, table 71]

YEAR AND AGE	PERSONS IN FAMILIES							
	Total	Percent of all persons ¹	Male	Female	Married-couple families	Female householder ²		Male householder ²
						Number	Percent of total	
1970: Total	184.9	91.4	91.0	93.9	163.3	18.0	9.7	3.6
Under 18 yr	68.9	96.9	35.0	33.8	60.2	7.8	11.3	.9
18-64 yr	102.6	91.1	49.3	53.3	92.2	8.4	8.2	2.0
65 yr. and over	13.3	67.1	6.6	6.7	10.9	1.8	13.5	.7
1975: Total	190.5	93.9	93.7	90.6	162.9	23.2	12.2	4.4
Under 18 yr	66.0	99.4	33.6	32.4	54.4	10.5	15.9	1.1
18-64 yr	109.9	90.0	52.8	57.1	96.2	11.0	10.0	2.6
65 yr. and over	14.6	89.2	7.3	7.4	12.3	1.8	12.3	.6
1980: ³ Total	195.9	90.6	96.0	99.8	164.2	26.9	13.7	4.7
Under 18 yr	62.8	96.9	32.0	30.7	50.0	11.6	16.5	1.2
18-64 yr	116.7	86.5	55.8	61.0	100.4	13.3	11.4	2.9
65 yr. and over	16.4	68.0	8.3	8.1	13.8	2.0	11.8	.6
1981: Total	197.0	87.6	90.6	100.4	164.2	27.8	14.6	5.2
Under 18 yr	62.3	96.9	31.8	30.4	49.5	11.5	16.5	1.3
18-64 yr	118.0	86.1	56.3	61.7	100.7	14.0	11.9	3.3
65 yr. and over	16.7	67.7	8.4	8.3	14.1	2.0	11.8	.6

¹Persons in households. ²No spouse present. ³Population controls based on 1980 census; see text, p. 2.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 371, and earlier issues.

NO. 73. FEMALE FAMILY HOUSEHOLDERS WITH NO SPOUSE PRESENT, BY RACE AND PRESENCE OF CHILDREN: 1960 TO 1981

(In thousands, except percent. 1960 to 1975 covers persons 14 years old and over; beginning 1980 covers persons 15 years old and over. 1980 census data as of April; thereafter based on Current Population Survey as of March. See headnote, table 71.)

ITEM	1960	1965	1970	1975	1980 ¹	1981	WITH 1 OR MORE OWN CHILDREN, UNDER 18			
							1980	1979	1980 ¹	1981
Total families ²	46,138	47,959	51,885	55,712	59,590	60,308	25,861	26,812	27,812	31,327
Female family householders	4,194	5,026	5,591	7,242	8,706	9,082	1,891	2,926	5,445	5,634
Percent of all families	9.3	10.5	10.8	13.0	14.6	15.1	7.4	10.2	17.6	18.0
Percent under 35 years old	17.7	19.1	24.4	32.5	34.6	34.9	35.0	43.1	52.4	52.9
White families	40,672	43,081	46,281	49,451	52,243	52,710	23,284	25,543	26,474	28,523
Female family householders	3,305	3,882	4,185	5,212	6,052	6,266	1,394	1,985	3,558	3,694
Percent of White families	8.1	9.0	9.0	10.5	11.6	11.9	6.0	7.8	13.4	13.9
Percent under 35 years old	14.7	(NA)	20.8	29.0	30.8	31.7	30.7	38.8	49.2	49.8
Black families ⁴	4,256	4,752	4,887	5,496	6,164	6,317	2,397	2,984	3,820	3,873
Female family householders	889	1,125	1,382	1,940	2,495	2,634	497	912	1,733	1,823
Percent of Black families	20.9	23.7	28.3	35.3	40.3	41.7	20.7	30.6	46.9	47.1
Percent under 35 years old	29.7	(NA)	35.2	42.4	44.0	42.3	47.1	50.0	59.1	59.9

NA. Not available. ¹Population controls based on 1980 census; see text, p. 2. ²Beginning 1970, includes other races not shown separately. ³Revised figure; revisions not available by race. ⁴Black and other races for 1980 and 1985.

Source: U.S. Bureau of the Census, *U.S. Census of Population, 1980*, vol. 1, and *Current Population Reports*, series P-20, No. 371 and earlier reports.

NO. 74. FEMALE FAMILY HOUSEHOLDERS WITH NO SPOUSE PRESENT—CHARACTERISTICS, BY RACE: 1960 TO 1981

[See headnote, table 73. 1979 data unrevised, therefore data will not agree with table 73]

CHARACTERISTIC	WHITE				BLACK			
	1960	1970	1980 ¹	1981	1960 ²	1970	1980 ¹	1981
Female family householder (1,000)	3,305	4,186	6,052	6,266	980	1,346	2,495	2,634
Median age (years)	52.2	50.4	43.7	42.9	43.6	41.3	37.4	36.0
Percent, by marital status:								
Single (never married)	11.8	9.2	10.8	11.6	10.8	16.2	27.3	27.2
Married, spouse absent	17.6	18.5	18.8	17.0	37.4	30.7	28.6	28.7
Separated	9.6	11.4	13.8	14.2	30.2	33.8	26.8	26.6
Other	7.9	7.2	3.0	2.8	7.2	5.9	1.8	2.1
Widowed	52.5	47.0	32.7	29.9	40.2	29.9	22.2	20.8
Divorced	18.1	25.3	39.6	41.5	11.6	14.2	21.9	23.3
Percent, by presence of children under 18:								
No own children	57.8	52.0	41.2	41.1	44.4	33.5	28.1	30.8
With own children	42.2	48.0	58.8	58.9	55.6	66.6	71.9	69.2
1 child	19.2	18.8	28.1	29.5	18.9	19.1	26.3	27.4
2 children	12.0	15.0	19.9	20.4	12.6	14.4	23.2	21.7
3 children	6.1	7.6	7.4	8.0	8.4	12.5	11.1	11.5
4 or more children	5.0	6.4	3.4	3.0	16.5	20.8	11.3	8.6
Mean number of children	.85	1.00	1.03	1.00	1.57	1.83	1.51	1.39
Children under 18 in all families (mil.)	54.5	58.5	52.2	51.5	8.4	9.3	9.3	9.4
Percent living with—								
Both parents	91.9	88.1	62.8	62.6	69.2	58.7	42.5	42.9
Mother only	6.2	8.6	13.5	13.8	20.6	30.8	44.2	43.6

¹Population controls based on 1980 census; see text, p. 2.

²Black and other races.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 371, and series P-23, No. 50 and unpublished data.

NO. 75. FAMILIES NOT MAINTAINED BY MARRIED COUPLE: 1970 TO 1981

[Covers persons 18 years old and over. As of March. See headnote, table 71.]

CHARACTERISTIC	NUMBER (1,000)							PERCENT BY MARITAL STATUS			
	1970	1975	1979	1979	1980 ¹	1980 ²	1981	1970	1975	1980 ²	1981
Total	6,508	8,718	9,796	10,074	10,240	10,431	11,086	(X)	(X)	(X)	(X)
Male householder	1,229	1,482	1,684	1,841	1,708	1,732	1,831	100.0	100.0	100.0	100.0
Married, wife absent	197	319	273	252	266	269	309	16.0	21.4	15.5	16.0
Widowed	422	387	378	384	410	421	369	34.3	25.9	24.3	20.7
Divorced	194	340	423	480	478	485	607	15.8	22.8	28.0	31.4
Single (never married)	416	448	510	645	552	556	617	33.8	29.8	32.2	32.0
Female householder	5,277	7,236	8,214	8,433	8,534	8,699	9,074	100.0	100.0	100.0	100.0
Married, husband absent	1,323	1,841	1,781	1,769	1,734	1,769	1,884	23.7	22.7	20.3	20.5
Widowed	2,396	2,559	2,361	2,485	2,518	2,570	2,483	43.0	35.4	29.5	27.1
Divorced	1,259	2,109	2,786	2,807	2,980	3,006	3,277	22.8	29.2	34.6	36.1
Single (never married)	598	917	1,286	1,362	1,322	1,353	1,471	10.7	12.7	15.6	16.2

X Not applicable.

¹Population controls based on 1970 census.

²Population controls based on 1980 census.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 372 and earlier reports, and unpublished data.

No. 76. CHILDREN UNDER 18 YEARS OLD, BY PRESENCE OF PARENTS AND WHETHER LIVING WITH MOTHER ONLY, BY MARITAL STATUS OF MOTHER: 1970 TO 1981

[As of March. Excludes persons under 16 years old who were householders and spouses of householders. Based on Current Population Survey; see headnote, table 71]

PRESENCE OF PARENTS	UNIT	TOTAL ¹			WHITE			BLACK		
		1970	1980 ²	1981	1970	1980 ²	1981	1970	1980 ²	1991
CHILDREN UNDER 18 YEARS OLD										
Number	1,000	69,548	63,427	62,918	59,026	52,242	51,620	9,483	9,375	9,400
Living with—										
Both parents	Percent	84.9	76.7	76.4	89.2	82.7	82.3	58.1	42.2	42.7
Mother only	Percent	10.7	18.0	18.1	7.8	13.5	13.7	29.3	43.9	43.3
Divorced	Percent	3.3	7.5	7.8	3.1	7.0	7.4	4.6	10.9	10.4
Married, spouse absent	Percent	4.7	5.7	5.6	2.8	3.9	3.8	16.2	16.2	15.9
Single (never married)	Percent .....	.8	2.8	2.9	.2	1.0	1.0	4.4	12.8	13.2
Widowed	Percent	2.0	2.0	1.8	1.7	1.7	1.5	4.2	4.0	3.3
Father only	Percent	1.1	1.7	1.9	.9	1.6	1.8	2.2	1.9	2.5
Neither parent	Percent	3.3	3.7	3.6	2.2	2.2	2.1	10.4	12.0	11.4
CHILDREN UNDER 6 YEARS OLD										
Number	1,000	20,997	19,483	19,924	17,888	15,885	16,179	2,969	2,916	3,046
Living with—										
Both parents	Percent	86.7	78.9	78.9	91.3	85.7	85.8	59.8	41.4	41.3
Mother only	Percent	9.5	15.4	15.4	6.7	11.1	11.1	26.5	39.5	39.3
Divorced	Percent	2.5	4.7	5.0	2.4	4.6	4.9	2.4	5.6	8.0
Married, spouse absent	Percent	5.2	5.4	5.3	3.4	4.1	3.9	15.6	12.8	13.3
Single (never married)	Percent	1.3	4.5	4.4	.4	1.8	1.9	6.6	19.4	18.2
Widowed	Percent .....	.6	.8	.7	.4	.6	.5	1.9	1.7	1.7
Father only	Percent .....	.6	1.1	1.3	.4	.9	1.2	1.4	1.9	1.6
Neither parent	Percent	3.2	4.6	4.4	1.6	2.3	1.9	12.3	17.2	17.6
CHILDREN 6 TO 17 YEARS OLD										
Number	1,000	48,462	43,984	42,994	41,339	36,357	35,441	6,514	6,459	6,353
Living with—										
Both parents	Percent	84.0	75.7	75.2	88.2	81.4	80.8	57.3	42.6	43.4
Mother only	Percent	11.3	19.1	19.4	8.2	14.6	14.9	30.6	45.9	45.3
Divorced	Percent	3.7	8.8	9.1	3.4	8.1	8.6	5.5	13.3	12.5
Married, spouse absent	Percent	4.4	5.8	5.8	2.5	3.8	3.8	16.5	17.7	17.1
Single (never married)	Percent .....	.5	2.0	2.2	.1	.6	.6	3.4	9.9	10.9
Widowed	Percent	2.6	2.6	2.4	2.2	2.1	1.9	5.2	5.0	4.8
Father only	Percent	1.3	1.9	2.2	1.1	1.9	2.1	2.6	1.9	2.9
Neither parent	Percent	3.4	3.3	3.2	2.4	2.1	2.2	9.4	9.8	6.4

¹ Includes races not shown separately. ² Population controls based on 1980 census; see text, p. 2.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 372 and earlier issues.

No. 77. LIVING ARRANGEMENTS OF WIDOWED PERSONS, AGE 65 YEARS AND OVER: 1970 TO 1981

[As of March. Noninstitutional population. Based on Current Population Survey; see headnote, table 71]

WIDOWED PERSONS	HOUSEHOLDER				NOT A HOUSEHOLDER		
	Total (1,000)	Percent family house- holder	Percent nonfamily householder living—		Total (1,000)	Percent in families	Percent living with no rela- tives
			Alone	With non- relatives			
1970: Total	5,296	22.3	74.6	3.1	1,964	89.4	10.5
Widow	4,344	22.2	75.0	2.9	1,519	92.2	7.7
Widower	952	22.9	73.0	4.1	465	80.0	19.6
1975: Total	6,117	18.6	78.9	2.5	1,568	92.3	7.7
Widow	5,110	18.8	78.7	2.4	1,407	93.5	6.5
Widower	1,007	17.3	79.4	3.2	161	82.9	17.1
1980: ¹ Total	7,011	17.4	80.6	1.9	1,443	91.5	8.5
Widow	5,926	17.3	80.9	1.8	1,194	93.5	6.5
Widower	1,085	18.1	79.0	2.9	249	82.3	17.7
1980: ² Total	7,194	17.4	80.7	1.9	1,444	92.1	7.9
Widow	6,069	17.3	81.0	1.7	1,227	93.5	6.6
Widower	1,125	18.0	79.4	2.8	217	84.3	16.1
1981: Total	7,303	16.5	81.6	2.0	1,486	92.8	7.2
Widow	6,220	16.3	82.0	1.7	1,253	94.6	5.2
Widower	1,083	17.4	79.2	3.4	213	81.2	19.2

¹ Population controls based on 1970 census; see text, p. 2. ² Population controls based on 1980 census; see text, p. 2.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 372 and earlier issues.

Institutional Population

53

NO. 78. POPULATION IN INSTITUTIONS AND OTHER GROUP QUARTERS, BY RACE, TYPE OF QUARTERS, AND SEX: 1960 AND 1970

[In thousands. 1960 based on 25-percent sample; 1970, on 20-percent sample. See *Historical Statistics, Colonial Times to 1970*, series A 359-371, for inmates of institutions]

RACE AND TYPE OF QUARTERS	1960			1970		
	Total	Male	Female	Total	Male	Female
Total	4,882	3,122	1,760	5,786	3,436	2,349
White	4,253	2,664	1,589	5,037	2,906	2,129
Black and other	649	458	190	749	529	220
Institutional inmates	1,887	1,117	770	2,127	1,126	1,000
Correctional institutions	346	330	16	326	314	12
Mental hospitals and residential treatment centers	630	336	294	434	245	189
Tuberculosis hospitals ¹	85	46	39	17	12	5
Chronic disease hospitals (excl. TB and mental) ¹	42	26	17	67	38	29
Homes for the aged and dependent ¹	470	266	202	926	599	327
Homes and schools for the mentally handicapped ¹	175	88	87	202	114	88
Homes and schools for the physically handicapped	24	13	11	29	16	13
Homes for dependent and neglected children	73	41	32	46	26	20
Homes for unwed mothers	3	1	2	4	(2)	2
Training schools for juvenile delinquents ¹	46	34	12	88	53	35
Detention homes	11	6	5	10	7	3
Diagnostic and reception centers	1	1	(2)	(NA)	(NA)	(NA)
Military barracks	668	668	(NA)	1,025	1,005	20
College dormitories	829	455	374	1,785	891	894
Rooming and boarding houses	634	400	234	330	191	139
Other	664	282	402	639	224	415

NA Not available. Z Fewer than 500.

¹For similar but not strictly comparable data, see the following: Tuberculosis and chronic disease hospitals, table 171; homes for the aged and dependent, tables 180 and 181; and training schools for juvenile delinquents, table 322.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960*, vol. I, Chapter D, and vol. II; and *Census of Population: 1970*, vols. I and II.

NO. 78. POPULATION IN INSTITUTIONS AND OTHER GROUP QUARTERS—STATES: 1970 AND 1960

(As of April 1)

DIVISION AND STATE	Group quarters, total 1970	GROUP QUARTERS, 1960			DIVISION AND STATE	Group quarters, total 1970	GROUP QUARTERS, 1960		
		Total	Inmates of institutions	Other			Total	Inmates of institutions	Other
U.S.	5,786,283	5,748,548	2,608,777	3,342,871	S.A.—Con.				
U.S.	438,290	408,967	188,981	250,556	Va.	195,014	176,905	56,061	121,844
Maine	36,224	36,638	14,362	22,576	W. Va.	38,981	34,943	14,633	20,310
N.H.	30,448	29,628	9,180	20,448	N.C.	188,626	194,743	62,538	132,205
Vt.	20,287	20,945	8,032	14,913	S.C.	104,031	105,811	31,094	74,817
Mass.	205,184	199,652	75,702	123,950	Ge.	137,497	143,027	58,814	83,213
R.I.	51,482	34,059	12,523	21,536	Fla.	188,581	196,248	65,745	110,501
Conn.	64,705	68,736	41,802	47,133					
M.A.	902,701	864,187	417,408	466,779	E.S.C.	335,878	388,886	140,246	218,638
N.Y.	458,139	450,087	220,745	229,352	Ky.	99,778	103,027	37,834	65,093
N.J.	146,424	136,535	68,125	70,405	Tenn.	99,007	111,984	46,058	65,926
Pa.	300,138	297,557	130,535	167,022	Ala.	80,194	76,310	33,892	44,418
					Miss.	56,989	65,565	23,364	42,201
E.N.C.	868,803	872,486	474,246	466,237					
Ohio	244,891	228,529	118,753	109,770	W.S.C.	546,427	579,808	272,311	306,197
Ind.	135,819	145,881	61,430	84,251	Ark.	45,701	51,514	27,171	24,343
Ill.	282,392	271,483	127,894	143,769	La.	99,509	96,236	46,748	49,490
Mich.	199,836	197,937	100,021	97,916	Okla.	91,801	90,270	40,411	49,859
Wis.	133,795	128,881	66,350	62,531	Tex.	308,418	341,486	158,963	182,505
W.M.C.	536,234	525,875	252,413	273,462					
Minn.	112,638	118,455	63,740	54,715	M.P.	234,702	234,889	86,368	146,809
Iowa	91,067	96,335	47,215	49,120	Mont.	20,475	20,086	8,844	11,422
Mo.	138,858	128,226	59,005	69,220	Idaho	18,183	19,038	8,252	10,786
N. Dak.	27,490	27,032	10,277	16,756	Wyo.	8,945	8,979	4,183	4,796
S. Dak.	28,052	26,086	11,738	14,348	Colo.	82,337	74,392	27,627	46,765
Nebr.	52,423	48,480	23,485	25,015	N. Mex.	23,801	22,786	7,211	15,575
Kans.	65,836	60,462	26,873	43,489	Ariz.	42,576	52,089	18,491	33,598
					Utah	28,578	25,423	9,829	15,794
S.A.	969,123	884,221	367,889	517,132	Nev.	9,807	12,176	5,343	6,833
Del.	18,573	16,099	6,252	9,847					
Md.	104,358	94,426	44,722	49,705	Pac.	813,807	790,440	333,279	457,161
D.C.	38,474	31,919	7,230	24,689	Wash.	117,401	108,883	45,918	62,965
					Oreg.	56,004	57,649	28,252	29,397
					Calif.	579,514	568,049	251,156	316,893
					Alaska	22,237	16,280	2,165	14,095
					Hawaii	37,851	39,599	5,785	33,814

Source: U.S. Bureau of the Census, *Census of Population: 1970*, Vol. II, *Persons in Institutions and Other Group Quarters* and *1960 Census of Population: Vol. I, Characteristics of the Population*.

NO. 80. RELIGIOUS BODIES—SELECTED DATA

[Represents latest information available from religious bodies with memberships of 50,000 or more; excludes a few groups giving no data. Not all groups follow same calendar year nor count membership in same way; some groups give only approximate figures. Roman Catholics count all baptized persons, including infants; Jewish statistics are estimates of the number of persons living in Jewish households including as a consequence of intermarriage; approximately 7.4 percent non-Jewish persons. Eastern Orthodox Churches include all persons in their nationality or cultural groups; most Protestant bodies count only persons who have attained full membership, and previous estimates have indicated that all but a small minority of these are over 13 years of age; however, many Lutheran bodies and The Episcopal Church now report all baptized persons, and not only those confirmed. Data which appear in italics are "noncurrent," i.e., they are reported for 1970 or earlier. All other data are "current" and were reported in 1980 or 1981]

RELIGIOUS BODY	Year	Churches reported	Membership (1,000)	Pastors serving parishes	Sunday school enrollment ¹ (1,000)
Total	(x)	336,281	134,817	279,386	33,451
Bodies with membership of 50,000 or more	(x)	322,485	133,350	267,276	33,114
Current data	(x)	247,407	114,791	215,189	(NA)
Noncurrent data	(x)	75,078	18,559	52,087	(NA)
African Methodist Episcopal Church.....	1980	6,000	2,050	5,800	108
African Methodist Episcopal Zion Church.....	1980	6,020	1,134	6,491	192
American Baptist Association.....	1981	5,000	1,500	5,000	850
American Baptist Churches in the U.S.A.....	1979	5,814	1,601	5,498	(NA)
American Carpatho-Russian Orthodox Greek Catholic Church.....	1976	70	100	61	(NA)
American Lutheran Church, The.....	1980	4,664	2,353	4,475	635
Antiochian Orthodox Christian Archdiocese of North America, The.....	1977	110	152	120	(NA)
Apostolic Overcoming Holy Church of God.....	1956	300	75	300	(NA)
Armenian Apostolic Church of America.....	1972	29	125	23	(NA)
Armenian Church of America, Diocese of the (incl. Diocese of California).....	1979	66	450	45	(NA)
Assemblies of God.....	1980	9,773	1,732	10,073	1,390
Baptist General Conference.....	1980	779	133	833	108
Baptist Missionary Association of America.....	1980	1,415	225	1,400	102
Buddhist Churches of America.....	1975	60	60	80	(NA)
Bulgarian Eastern Orthodox Church (Diocese of N. and S. America and Australia).....	1971	13	86	(NA)	(NA)
Christian and Missionary Alliance.....	1980	1,382	190	1,308	153
Christian Church (Disciples of Christ).....	1980	4,295	1,178	4,000	355
Christian Churches and Churches of Christ.....	1981	5,605	1,063	6,121	(NA)
Christian Congregation, Inc., The.....	1980	1,266	89	1,266	51
Christian Methodist Episcopal Church.....	1981	2,883	787	2,483	116
Christian Reformed Church in North America.....	1980	826	214	593	58
Church of God, The.....	1978	2,035	78	1,910	(NA)
Church of God (Anderson, Ind.).....	1980	2,271	176	1,826	227
Church of God (Cleveland, Tenn.).....	1980	5,178	435	8,765	354
Church of God in Christ, The.....	1965	4,500	425	4,000	(NA)
Church of God in Christ, International, The.....	1971	1,041	501	(NA)	(NA)
Church of God of Prophecy, The.....	1981	1,977	73	(NA)	(NA)
Church of Jesus Christ of Latter-day Saints, The.....	1980	7,369	2,811	22,137	2,632
Church of the Brethren.....	1980	1,063	171	(NA)	(NA)
Church of the Nazarene.....	1980	4,853	484	3,892	880
Churches of Christ.....	1979	12,700	1,600	(NA)	(NA)
Community Churches, National Council of.....	1979	185	190	210	(NA)
Congregational Christian Churches, National Association of.....	1981	443	104	467	(NA)
Conservative Baptist Association of America.....	1980	1,126	225	(NA)	(NA)
Coptic Orthodox Church.....	1980	25	100	22	4
Cumberland Presbyterian Church.....	1980	857	97	544	50
Episcopal Church, The.....	1980	7,215	2,786	7,281	558
Evangelical Covenant Church of America.....	1980	539	78	502	66
Evangelical Free Church of America.....	1979	732	78	(NA)	(NA)
Evangelical Lutheran Churches, The Association of.....	1980	268	106	346	19
Free Methodist Church of North America.....	1979	1,013	67	(NA)	(NA)
Free Will Baptists.....	1980	2,452	228	2,762	194
Friends United Meeting.....	1980	530	61	330	26
Full Gospel Fellowship of Churches and Ministers, International.....	1980	394	59	807	39
General Association of Regular Baptist Churches.....	1981	1,571	243	(NA)	(NA)
General Baptist (General Association of).....	1980	894	74	(NA)	(NA)
Greek Orthodox Archdiocese of North and South America.....	1977	535	1,950	610	(NA)
Independent Fundamental Churches of America.....	1980	1,019	120	762	137
International Church of the Foursquare Gospel.....	1963	714	89	741	(NA)
Jehovah's Witnesses.....	1980	7,515	565	(x)	(NA)
Jews ²	1980	3,500	5,921	4,000	(NA)
Lutheran Church in America.....	1980	5,800	2,923	5,005	674

See footnotes at end of table.

No. 80. RELIGIOUS BODIES—SELECTED DATA—Continued

[See headnote, p. 54]

RELIGIOUS BODY	Year	Churches reported	Member-ship (1,000)	Pastors serving parishes	Sunday school enrollment ¹ (1,000)
Bodies with membership of 50,000 or more—Con.					
Lutheran Church—Missouri Synod, The.....	1980	5,694	2,626	4,633	640
Mennonite Church.....	1980	1,140	100	1,769	123
National Baptist Convention of America.....	1956	11,398	2,669	7,598	(NA)
National Baptist Convention, U.S.A., Inc.....	1956	26,000	5,500	26,000	(NA)
National Primitive Baptist Convention, Inc.....	1975	608	250	460	(NA)
North American Old Roman Catholic Church.....	1980	134	61	102	13
Old Order Amish Church.....	1980	535	80	2,141	(NA)
Orthodox Church in America.....	1978	440	1,000	457	(NA)
Pentecostal Church of God.....	1980	1,147	113	(NA)	(NA)
Pentecostal Holiness Church.....	1977	2,340	86	1,329	(NA)
Plymouth Brethren.....	1980	1,100	98	(NA)	(NA)
Polish National Catholic Church of America.....	1980	162	262	141	(NA)
Presbyterian Church in America.....	1980	487	91	(NA)	44
Presbyterian Church in the U.S.....	1980	4,159	838	3,170	390
Primitive Baptists.....	1980	1,000	72	(NA)	(NA)
Progressive National Baptist Convention, Inc.....	1967	655	522	(NA)	(NA)
Reformed Church in America.....	1980	902	346	833	105
Reorganized Church of Jesus Christ of Latter-day Saints.....	1980	1,056	190	16,574	(NA)
Roman Catholic Church, The.....	1980	24,188	50,450	(NA)	8,083
Russian Orthodox Church in the U.S.A., Patriarchal Parishes of the.....	1975	41	52	55	(NA)
Russian Orthodox Church Outside Russia, The.....	1955	81	55	92	(NA)
Salvation Army, The.....	1980	1,058	417	2,550	103
Serbian Eastern Orthodox Church for the U.S.A. and Canada.....	1967	52	65	56	(NA)
Seventh-day Adventists.....	1980	3,730	571	1,986	441
Southern Baptist Convention.....	1980	35,778	13,800	33,600	7,426
Triumph the Church and Kingdom of God in Christ (International).....	1972	475	54	660	(NA)
Ukrainian Orthodox Church in the U.S.A.....	1966	107	86	107	(NA)
Unitarian Universalist Association.....	1979	968	139	550	(NA)
United Church of Christ.....	1980	6,642	1,736	5,116	477
United Free Will Baptist Church.....	1952	836	100	784	(NA)
United Methodist Church, The.....	1980	36,444	9,585	20,410	4,222
United Pentecostal Church, International.....	1980	2,829	465	2,956	(NA)
United Presbyterian Church in the U.S.A., The.....	1980	8,770	2,424	7,710	825
Wesleyan Church, The.....	1980	1,710	103	1,348	200
Wisconsin Evangelical Lutheran Synod.....	1980	1,139	407	978	46
Bodies with membership of less than 50,000.....	(x)	13,796	1,467	12,090	337

NA Not available. X Not applicable. ¹Includes pupils, officers, and teachers. ²Estimate of size of Jewish community provided by American Jewish Yearbook.

No. 81. RELIGIOUS BODIES—CHURCH MEMBERSHIP, 1950 TO 1980, AND NUMBER OF CHURCHES, 1980

[Membership in thousands, except as indicated. See headnote, table 80. See also *Historical Statistics, Colonial Times to 1970*, series H 793-799]

RELIGIOUS BODY	MEMBERSHIP						Number of churches, 1980
	1950	1960	1980	1970	1875	1990	
Total.....	86,830	114,449	124,682	131,046	131,012	134,817	336,281
Members as percent of population ¹	57	64	64	63	61	59	(x)
Average members per local church.....	304	359	382	399	393	401	(x)
Buddhist Churches of America.....	73	20	92	100	80	60	60
Eastern Churches.....	1,650	2,699	3,172	3,850	3,696	3,823	1,606
Jews ²	5,000	5,367	5,800	5,870	6,115	5,920	3,500
Old Catholic, Polish National Catholic, and Armenian Churches.....	250	590	484	848	846	924	436
The Roman Catholic Church.....	26,636	42,105	46,246	48,215	48,882	50,450	24,188
Protestants ³	51,080	63,669	69,088	71,713	71,043	73,479	305,273
Miscellaneous ⁴	142			449	372	161	1,218

X Not applicable. ¹Based on Bureau of the Census estimated total population as of July 1. ²Estimates of the Jewish community including those identified with Orthodox, Conservative and Reformed synagogues or temples. ³Includes nonprotestant bodies such as "Latter-day Saints" and "Jehovah's Witnesses." ⁴Includes non-Christian bodies such as "Spiritualists," "Ethical Culture Movement," and "Unitarian-Universalists."

Source of tables 80 and 81: National Council of the Churches of Christ in the United States of America, New York, N.Y., *Yearbook of American and Canadian Churches*, annual. (Copyright.)

No. 82. RELIGIOUS BODIES—CHURCH CONTRIBUTIONS

[Data are for 40 U.S. Communions reporting in 1980 or 1981. Data are incomplete as not all U.S. churches have current data available. For additional data, see source]

RELIGIOUS BODY	CONTRIBUTIONS		Congrega- tional finances (\$1,000)	BENEVOLENCES	
	Total (\$1,000)	Per capita inclusive mem- bership ¹		Total (\$1,000)	Percent of total contribu- tions
United States Communions.....	8,781,928	186.25	7,005,385	1,776,532	20.2
American Baptist Churches in the U.S.A.....	230,979	144.31	195,987	34,992	19.2
American Lutheran Church, The.....	377,828	160.58	312,583	65,236	17.3
Christian Church (Disciples of Christ).....	220,168	186.90	189,176	30,992	14.1
Christian and Missionary Alliance, The.....	73,526	367.57	59,550	13,976	19.0
Church of God (Anderson, Ind.).....	80,782	457.87	67,367	13,414	16.6
Church of the Brethren.....	41,477	242.78	29,813	11,664	28.1
Church of the Lutheran Confession.....	1,969	208.88	1,541	428	21.7
Church of the Nazarene.....	220,210	454.72	191,537	28,674	13.0
Cumberland Presbyterian Church.....	19,284	199.72	16,448	2,836	14.7
Episcopal Church, The.....	507,315	182.09	427,629	79,687	15.7
Evangelical Church of North America.....	7,943	606.91	6,477	1,467	18.5
Evangelical Congregational Church.....	7,768	281.80	6,044	1,725	22.2
Evangelical Covenant Church of America.....	43,222	556.01	33,191	10,031	23.2
Evangelical Lutheran Synod.....	4,006	201.46	3,155	851	21.3
Evangelical Mennonite Brethren Conference.....	1,878	433.82	1,250	628	33.4
Evangelical Mennonite Church.....	2,569	679.37	1,526	1,041	40.5
Friends United Meeting.....	11,768	193.70	9,438	2,328	19.6
General Baptists, General Association of.....	16,514	222.89	14,957	1,547	9.4
Latvian Evangelical Lutheran Church in America.....	1,628	114.05	1,413	215	13.2
Lutheran Church in America.....	459,421	157.16	371,982	87,439	19.0
Lutheran Church—Missouri Synod, The.....	457,383	174.20	390,756	66,626	14.6
Mennonite Brethren Churches, General Conference of.....	8,594	482.45	5,736	2,858	33.3
Mennonite Church.....	45,285	455.08	28,847	16,438	36.3
Missionary Church.....	17,136	729.01	8,329	8,807	51.4
Moravian Church in America, Northern Province.....	6,039	189.23	5,178	860	14.2
Moravian Church in America, Southern Province.....	3,639	172.82	2,809	830	22.8
North American Baptist Conference.....	16,426	381.65	12,454	3,972	24.2
Orthodox Presbyterian Church.....	6,471	390.06	5,235	1,236	19.2
Presbyterian Church in America.....	43,509	478.17	31,850	11,659	26.8
Presbyterian Church in the United States.....	290,481	346.43	234,131	56,350	19.4
Protestant Conference (Lutheran), The.....	168	125.29	150	16	9.6
Reformed Church in America.....	87,987	254.64	70,733	17,253	19.6
Reformed Church in the United States.....	685	187.06	477	207	30.3
Schwenkfelder Church, The.....	609	220.41	459	150	24.6
Seventh-day Adventists.....	397,268	695.97	121,485	275,783	69.4
Southern Baptist Convention.....	2,481,351	182.45	2,080,375	400,976	16.2
United Church of Christ.....	322,589	185.80	278,547	44,042	13.7
United Methodist Church, The.....	1,483,482	154.77	1,140,044	343,436	23.2
United Presbyterian Church in the United States.....	705,911	291.27	588,068	119,823	17.0
Wisconsin Evangelical Lutheran Synod.....	76,663	188.34	60,625	16,038	20.9

¹Inclusive membership refers to those who are full, communicant, or confirmed members, plus other members listed as baptized, or nonconfirmed, or noncommunicant.

Source: National Council of the Churches of Christ in the United States of America, New York, N.Y., *Yearbook of American and Canadian Churches*, annual. (Copyright.)

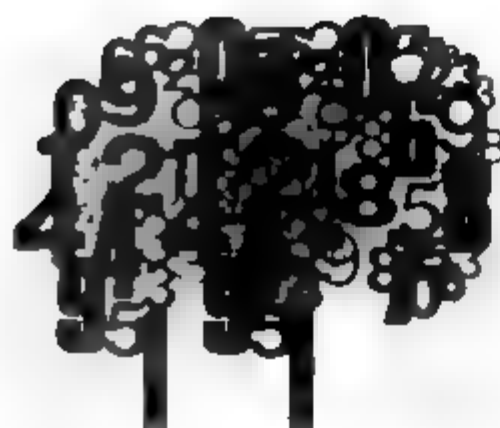
No. 83. NATIONAL NONPROFIT ASSOCIATIONS—NUMBER, BY TYPE: 1970 TO 1981

[Covers organizations of national scope]

TYPE	1970	1975	1980	1981	TYPE	1970	1975	1980	1981
Total.....	110,734	12,886	14,726	15,361	Public affairs.....	498	835	1,068	1,264
Trade, business, commercial...	2,895	2,837	3,118	3,174	Fraternal, foreign interest, nationality, ethnic.....	610	460	435	437
Agriculture.....	508	612	677	696	Religious.....	606	736	797	813
Legal, governmental, public administration, military.....	346	450	529	571	Veteran, hereditary, patriotic....	198	213	208	201
Scientific, engineering, tech.....	548	874	1,039	1,080	Hobby, avocational.....	444	681	910	959
Educational and cultural.....	1,383	2,132	2,376	2,444	Athletic sports.....	336	449	504	519
Social welfare.....	475	777	994	1,061	Labor unions.....	226	234	235	239
Health, medical.....	830	1,138	1,413	1,474	Chambers of Commerce ¹	110	112	105	106
					Greek letter societies.....	334	326	318	319

¹Includes associations not shown separately. ²National, binational, and international.

Source: Gale Research Co., Detroit, Mich. Compiled from *Encyclopedia of Associations*. (Copyright.)



Section 2

Vital Statistics

This section presents vital statistics—data on births, deaths, abortions, fetal deaths, including stillbirths; fertility; life expectancy; marriages; and divorces. Vital statistics are compiled for the country as a whole by the National Center for Health Statistics (NCHS) and published in its annual report, *Vital Statistics of the United States*, in certain reports of the *Vital and Health Statistics* series, and in the *Monthly Vital Statistics Report*. Reports in this field are also issued by the various State bureaus of vital statistics. Data on fertility, on age of persons at first marriage, and on marital status and marital history are compiled by the Bureau of the Census from its Current Population Survey (CPS, see text, p. 2) and published in *Current Population Reports*, series P-20. Data on abortions are published by the Alan Guttmacher Institute, New York, N.Y. in selected issues of *Family Planning Perspectives* and by the U.S. Centers of Disease Control in the annual *Abortion Surveillance Report—Legal Abortions*.

Registration of vital events.—The registration of births, deaths, fetal deaths, and other vital events in the United States is primarily a State and local function. The civil laws of every State provide for a continuous and permanent birth- and death-registration system. Many States also provide for marriage- and divorce-registration systems. Vital events occurring to U.S. residents outside the United States are not included in the data.

Births and deaths.—The live-birth, death, and fetal-death statistics prepared by NCHS are based on copies of vital records received from registration offices of all States, of New York City, and of the District of Columbia. The annual collection of death statistics on a national basis began in 1900 with a national death-registration area of 10 States and the District of Columbia, a similar annual collection of birth statistics for a national birth-registration area began in 1915, also with 10 reporting States and the District of Columbia. Since 1933, the birth- and death-registration areas have comprised the entire United States, including Alaska (beginning 1959) and Hawaii (beginning 1960). National statistics on fetal deaths were first compiled for 1918 and annually since 1922.

Prior to 1951, birth statistics came from a complete count of records received in the Public Health Service (now received in NCHS). From 1951 through 1971, they were based on a 50-percent sample of all registered births (except for a complete count in 1955 and a 20- to 50-percent sample in 1967). Beginning in 1972, they have been based on a complete count for States in the Cooperative Health Statistics System (for details, see the technical appendix in *Vital Statistics of the United States*) and on a 50-percent sample of all other areas. Mortality data have been based on a complete count of records for each area (except for a 50-percent sample in 1972). Beginning in 1970, births to, and deaths of nonresident aliens of the United States and U.S. citizens outside the United States have been excluded from the data. Fetal deaths and deaths among Armed Forces abroad are excluded. Data based on samples are subject to sampling error; for details, see annual issues of *Vital Statistics of the United States*.

Mortality statistics by cause of death are compiled in accordance with World Health Organization regulations according to the *International Classification of Diseases* (ICD). The ICD is revised approximately every 10 years. The ninth revision of the ICD was employed for 1979 data shown here. Deaths for prior years were classified according to the revision of the ICD in use at the time. Each revision of the ICD introduces a number of discontinuities in mortality statistics, for a discussion of those between the eighth and ninth revisions of the ICD, see *Monthly Vital Statistics Report*, vol. 28, No. 11, supplement.

Abortions.—The U.S. Centers for Disease Control (CDC) collects data on abortions annually from States which have a central health agency with a statewide reporting system. The Alan Guttmacher Institute, New York, N.Y. also issues data on the number of abortions based on its own surveys of hospitals and physicians. The Guttmacher Institute also publishes data on the characteristics of abortions after adjusting CDC data for changes in the number of States reporting each year.

Fertility and life expectancy.—The total fertility rate, defined as the number of births that 1,000 women would have in their lifetime if, at each year of age, they experienced the birth rates occurring in the specified year, is compiled and published by NCHS. Other data relating to social and medical factors which affect fertility rates, such as contraceptive use and birth expectations, are collected and made available by both NCHS and the Bureau of the Census. NCHS figures are based on information in birth and fetal death certificates and on the 1973 and 1976 National Surveys of Family Growth; Bureau of the Census data are based on decennial censuses and the CPS.

Data on life expectancy, the average remaining lifetime in years for persons who attain a given age, are computed and published by NCHS. For details, see the technical appendix in *Vital Statistics of the United States*.

Marriage and divorce.—The compilation of nationwide statistics on marriages and divorces in the United States began in 1887-1888 when the National Office of Vital Statistics prepared estimates for the years 1867-1886. Although periodic updates took place after 1888, marriage and divorce statistics were not collected and published annually until 1944 by that Office. In 1957 and 1958, respectively, the same Office established marriage- and divorce-registration areas. Beginning in 1957, the marriage-registration area comprised 30 States, plus Alaska, Hawaii, Puerto Rico, and the Virgin Islands; by 1979 it included 42 States and the District of Columbia. The divorce-registration area, starting in 1958 with 14 States, Alaska, Hawaii, and the Virgin Islands, included by 1979 a total of 30 States and the Virgin Islands. Procedures for estimating the number of marriages and divorces in the registration States are discussed in *Vital Statistics of the United States, vol. III—Marriage and Divorce*. Total counts of events for registration and nonregistration States are gathered by collecting already summarized data on marriages and divorces reported by State offices of vital statistics and by county offices of registration.

Another important source of data on marriage and divorce trends in the United States is the March supplement to the Current Population Survey conducted monthly by the Bureau of the Census. For further details, see text, p. 2.

Vital statistics rates.—Except as noted, vital statistics rates computed by NCHS are based on decennial census population figures as of April 1 for 1940, 1950, 1960, and 1970; and on midyear population figures for other years, as estimated by the Bureau of the Census (see text, p. 2).

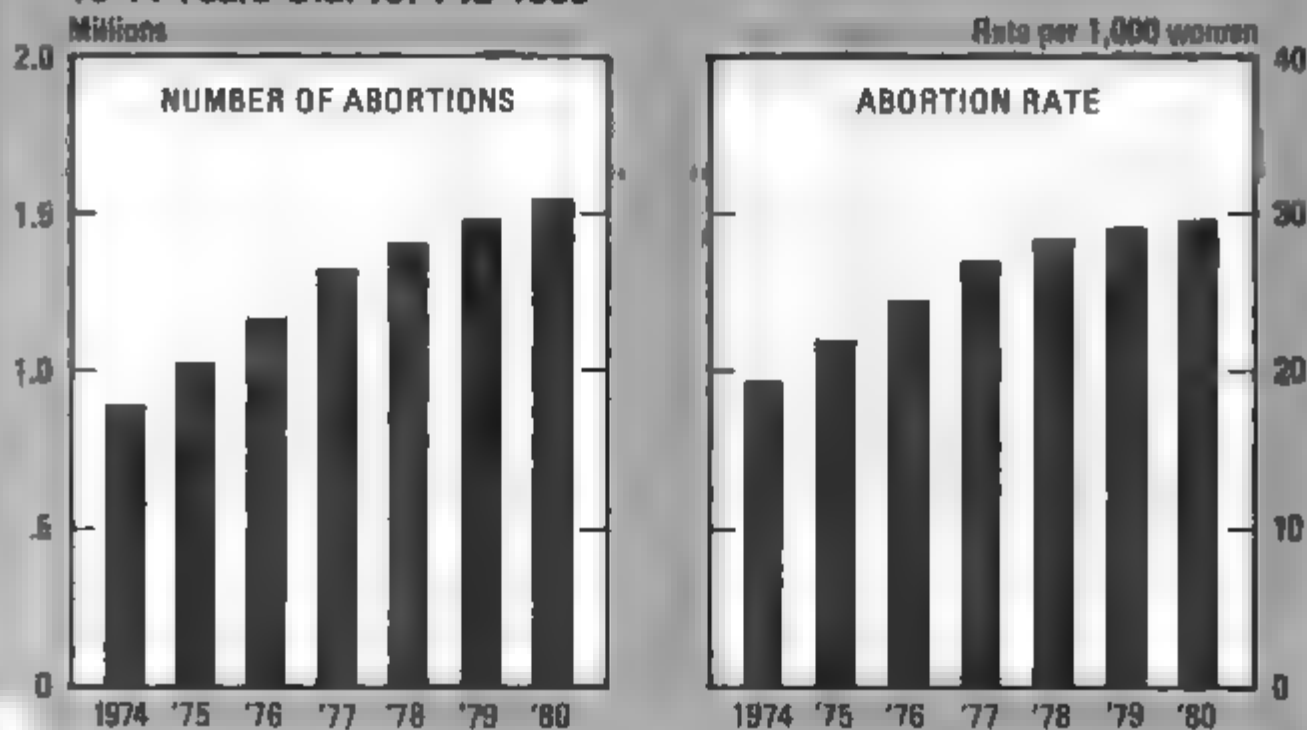
Race.—Data by race for births, deaths, marriages, and divorces from NCHS are based on information contained in the certificates of registration. In NCHS's National Survey of Family Growth and the Census Bureau's Current Population Survey, race is determined by interviewer observation.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures, and measures of statistical reliability applicable to Census Bureau and NCHS data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

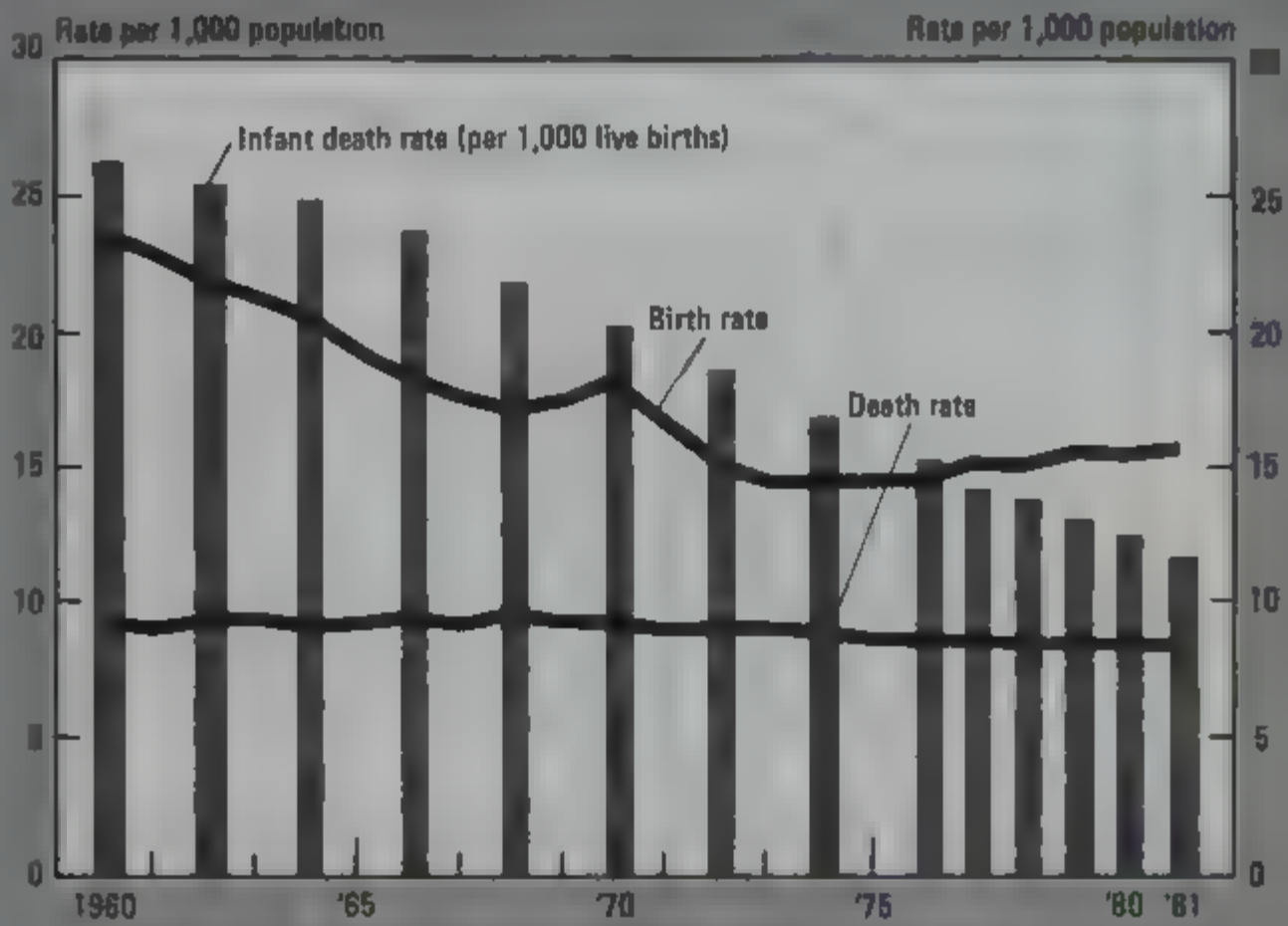
Figure 2.1

Legal Abortions — Number and Rate per 1,000 Women 15-44 Years Old: 1974 to 1980



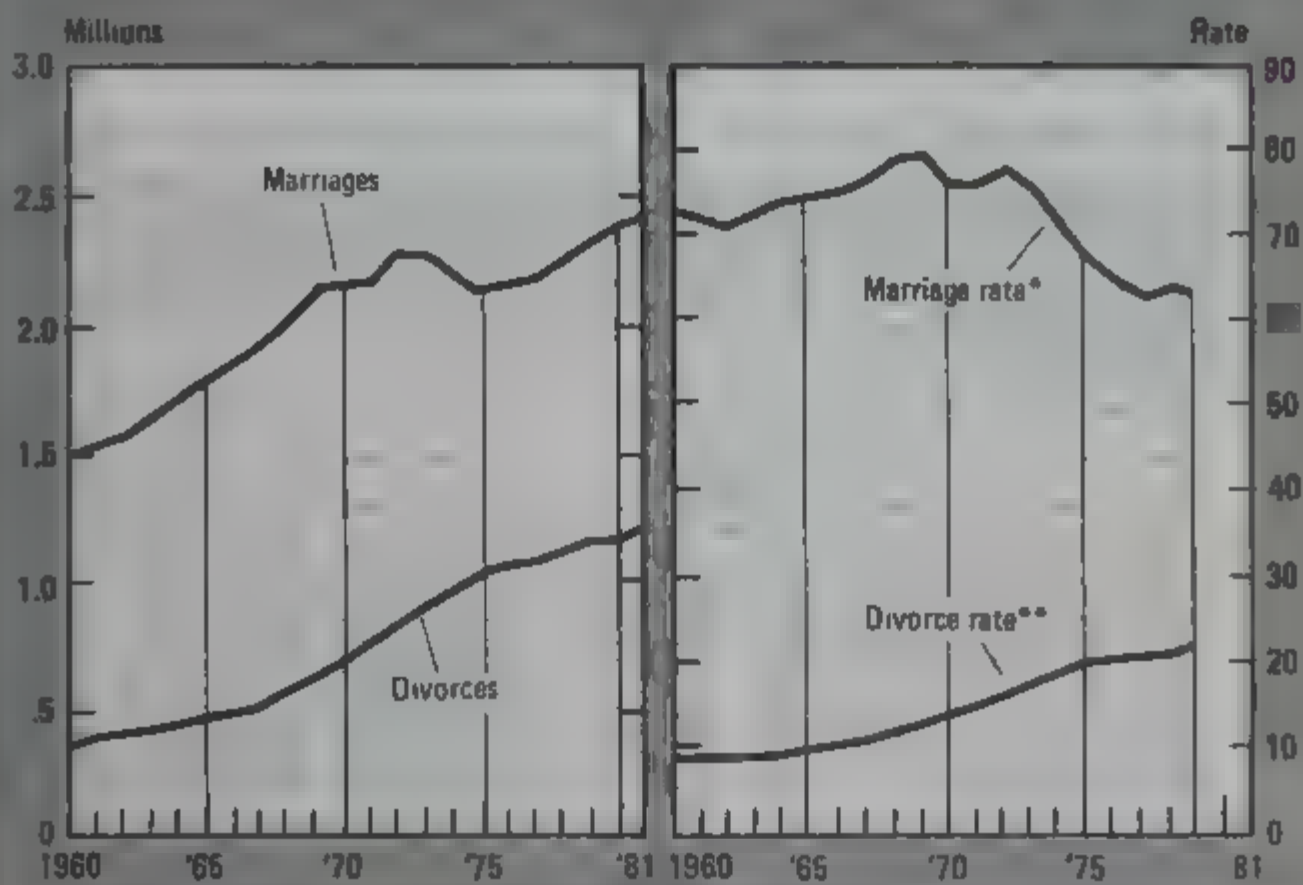
Source: Chart prepared by U.S. Bureau of the Census. For data, see table 101.

Figure 2.2
Birth and Death Rates: 1960 to 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 84.

Figure 2.3
Marriages and Divorces: 1960 to 1981



* Rate per 1,000 unmarried women, 15 years old and over

** Rate per 1,000 married women, 15 years old and over

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 124.

NO. 84. LIVE BIRTHS, DEATHS, MARRIAGES, AND DIVORCES: 1910 TO 1981

[Prior to 1980, excludes Alaska and Hawaii. Figures for deaths and death rates for 1910-1930 are for death-registration States only. Beginning 1970, excludes births to, and deaths of, nonresidents of the U.S. See Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 1-5, B 142, B 167, B 214, and B 216].

YEAR	NUMBER (1,000)					RATE PER 1,000 POPULATION				
	Births ¹	Deaths		Mar-riages ³	Di-vores ⁴	Births ¹	Deaths		Mar-riages ³	Di-vores ⁴
		Total	In-fant ²				Total	In-fant ²		
1910.....	2,777	697	(NA)	948	83	30.1	14.7	(NA)	10.3	.9
1915.....	2,965	916	78	1,008	104	29.5	13.2	99.9	10.0	1.0
1920.....	2,950	1,118	130	1,274	171	27.7	13.0	85.8	12.0	1.6
1925.....	2,909	1,192	135	1,188	175	25.1	11.7	71.7	10.3	1.5
1930.....	2,618	1,327	142	1,127	198	21.3	11.3	64.6	9.2	1.6
1935.....	2,377	1,393	120	1,327	218	18.7	10.0	55.7	10.4	1.7
1940.....	2,559	1,417	111	1,596	284	19.4	10.8	47.0	12.1	2.0
1945.....	2,858	1,402	105	1,813	485	20.4	10.6	38.3	12.2	3.5
1950.....	3,632	1,452	104	1,867	385	24.1	9.6	29.2	11.1	2.6
1955.....	4,097	1,529	107	1,531	377	25.0	9.3	26.4	9.3	2.3
1960.....	4,258	1,712	111	1,523	393	23.7	9.5	26.0	8.5	2.2
1965.....	3,760	1,828	93	1,800	479	19.4	9.4	24.7	9.3	2.5
1966.....	3,606	1,863	88	1,857	499	18.4	9.5	23.7	9.5	2.5
1967.....	3,521	1,851	79	1,927	523	17.8	9.4	22.4	9.7	2.6
1968.....	3,502	1,930	76	2,069	584	17.5	9.7	21.8	10.4	2.9
1969.....	3,600	1,922	75	2,145	639	17.8	9.5	20.7	10.6	3.2
1970.....	3,731	1,921	75	2,159	708	18.4	9.5	20.0	10.6	3.5
1971.....	3,558	1,928	88	2,190	773	17.2	9.3	19.1	10.6	3.7
1972.....	3,258	1,964	60	2,282	845	15.6	9.4	18.5	11.0	4.1
1973.....	3,137	1,973	56	2,284	915	14.9	9.4	17.7	10.9	4.4
1974.....	3,180	1,934	53	2,230	977	14.9	9.2	16.7	10.5	4.6
1975.....	3,144	1,893	51	2,153	1,036	14.8	8.9	16.1	10.1	4.9
1976.....	3,168	1,909	48	2,155	1,063	14.8	8.9	15.2	10.0	5.0
1977.....	3,327	1,800	47	2,178	1,091	15.4	8.8	14.1	10.1	5.0
1978.....	3,333	1,928	46	^a 2,282	1,130	15.3	8.8	13.8	^a 10.5	5.2
1979.....	3,494	1,914	46	^a 2,331	1,181	15.9	8.7	13.1	^a 10.6	5.4
1980, prel. ⁶	3,598	1,986	45	^a 2,413	1,182	16.2	8.9	12.5	^a 10.9	5.3
1980, prel. ⁷	3,598	1,986	45	^a 2,413	1,182	15.8	8.7	12.5	^a 10.8	5.2
1981, prel.....	3,846	1,967	43	^a 2,438	1,219	15.9	8.7	11.7	^a 10.6	5.3

NA Not available. ¹Through 1955, adjusted for underregistration. ²Infants under 1 year, excluding fetal deaths; rates per 1,000 registered live births. ³Includes estimates for some States through 1969 and also for 1976, and marriage licenses for some States for all years except 1973 and 1975. ⁴Includes reported annulments and some estimated State figures for all years. ⁵Includes 37,462 nonlicensed marriages registered in California for 1978, 41,961 for 1979, 46,001 for 1980 and 53,754 for 1981. ⁶Rates were computed using population estimates based on the 1970 enumerated population; comparable with rates shown for 1971 to 1979. ⁷Rates were computed using population estimates based on the 1980 enumerated population, comparable only with 1981 data.

NO. 85. TOTAL FERTILITY RATE AND INTRINSIC RATE OF NATURAL INCREASE: 1940 TO 1979

[Excludes Alaska prior to 1959 and Hawaii prior to 1960. Prior to 1960, based on births adjusted for underregistration; thereafter, registered births only. Beginning 1970, excludes births to nonresidents of United States. The *total fertility rate* is the number of births that 1,000 women would have in their lifetime if, at each year of age, they experienced the birth rates occurring in the specified year. A total fertility rate of 2,110 represents "replacement level" fertility for the total population under current mortality conditions (assuming no net immigration). The *intrinsic rate of natural increase* is the rate that would eventually prevail if a population were to experience, at each year of age, the birth rates and death rates occurring in the specified year and if those rates remained unchanged over a long period of time. Minus sign (—) denotes decrease. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series B 11].

ANNUAL AVERAGE AND YEAR	TOTAL FERTILITY RATE			INTRINSIC RATE OF NATURAL INCREASE			YEAR	TOTAL FERTILITY RATE			INTRINSIC RATE OF NATURAL INCREASE		
	Total	White	Black and other	Total	White	Black and other		Total	White	Black and other	Total	White	Black and other
1940-1944 ..	2,523	2,480	3,010	4.6	3.9	9.8	1968.....	2,484	2,366	3,106	5.9	4.2	16.0
1945-1949 ..	2,985	2,916	3,485	11.7	10.9	17.2	1969.....	2,458	2,360	3,061	5.7	4.1	15.4
1950-1954 ..	3,337	3,221	4,185	16.8	15.4	25.7	1970.....	2,480	2,385	3,067	6.0	4.5	14.4
1955-1959 ..	3,690	3,549	4,716	21.1	19.5	30.7	1971.....	2,275	2,166	2,933	2.8	1.0	12.8
1960-1964 ..	3,449	3,326	4,326	18.6	17.1	27.7	1972.....	2,022	1,916	2,651	—1.7	—3.7	8.9
1965-1969 ..	2,622	2,512	3,362	8.2	8.4	16.6	1973.....	1,896	1,798	2,474	—4.2	—6.1	6.1
1970-1974 ..	2,108	2,007	2,700	—4	—2.2	9.4	1974.....	1,857	1,768	2,377	—5.0	—6.8	4.6
1975-1979 ..	1,810	1,717	2,334	—5.8	—7.8	4.1	1975.....	1,799	1,708	2,322	—6.1	—8.1	3.7
1965.....	2,913	2,783	3,808	12.1	10.3	23.1	1976.....	1,768	1,679	2,276	—6.7	—8.6	3.0
1966.....	2,721	2,603	3,532	9.7	7.9	20.4	1977.....	1,628	1,735	2,343	—5.4	—7.4	4.3
1967.....	2,558	2,447	3,299	7.4	5.8	16.2	1978.....	1,600	1,704	2,334	—6.0	—8.0	4.1
							1979.....	1,856	1,758	2,395	—4.7	—6.8	5.2

Source of tables 64 and 85: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.

Births and Birth Rates

61

NO. 86. BIRTHS AND BIRTH RATES: 1950 TO 1979

[Births in thousands, except as indicated. Prior to 1960, excludes Alaska and Hawaii. For 1950 and 1955, births adjusted for underregistration; thereafter registered births. Beginning 1970, excludes births to nonresidents of U.S. See Appendix III. Minus sign (-) denotes decrease. For population bases used to derive these data, see text, p. 58. See also *Historical Statistics, Colonial Times to 1970*, series B 1, B 5-10, and B 12-20.]

ITEM	1950	1955	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Live births.....	3,632	4,087	4,256	3,780	3,731	3,137	3,160	3,144	3,188	3,327	3,339	3,404
Average annual percent change ..	3.8	2.4	.8	-2.5	-2	-5.6	7	-5	8	5.0	.2	4.8
White.....	3,106	3,485	3,601	3,124	3,091	2,651	2,676	2,552	2,568	2,691	2,681	2,806
Black and other.....	524	603	655	656	640	486	484	592	620	636	658	598
Black.....	(NA)	(NA)	602	581	572	513	507	512	514	544	552	576
Male.....	1,863	2,096	2,180	1,927	1,915	1,606	1,622	1,613	1,624	1,706	1,706	1,791
Female.....	1,768	1,991	2,076	1,853	1,816	1,529	1,538	1,531	1,543	1,621	1,624	1,703
Males per 100 females.....	105.4	105.1	104.9	105.1	105.5	105.2	105.5	105.4	105.3	105.3	105.3	105.2
Age of mother.....												
Under 20 years.....	438	498	584	599	656	617	608	695	571	571	554	560
20-24 years.....	1,155	1,290	1,427	1,337	1,419	1,101	1,106	1,094	1,092	1,146	1,140	1,189
25-29 years.....	1,041	1,131	1,093	926	995	886	923	837	972	1,016	1,015	1,069
30-34 years.....	611	731	688	529	426	370	373	376	392	447	474	517
35-39 years.....	509	352	360	283	180	127	118	115	116	121	126	136
40 years or more.....	83	95	97	86	53	34	30	26	26	25	24	24
Birth rate per 1,000 population.....	24.1	26.0	23.7	19.4	18.4	14.9	14.9	14.9	14.9	15.4	15.3	15.9
White.....	23.0	23.8	22.7	18.3	17.4	13.9	14.0	13.8	13.8	14.4	14.2	14.6
Black and other.....	33.3	34.5	32.1	27.6	25.1	21.9	21.4	21.2	21.1	21.9	22.1	22.6
Black.....	(NA)	(NA)	31.9	27.7	25.3	21.5	21.0	20.9	20.8	21.7	21.6	22.3
Male.....	24.9	25.8	24.7	20.3	19.4	15.7	15.8	15.6	15.5	16.2	16.1	16.7
Female.....	23.3	23.9	22.6	18.6	17.4	14.2	14.2	14.0	14.0	14.6	14.5	15.1
Plural birth ratio ..	20.9	21.1	20.4	20.1	¹ 18.1	18.4	18.6	19.2	19.5	19.2	19.6	19.5
White.....	20.2	20.2	19.3	19.0	¹ 17.3	17.7	18.0	18.5	18.6	18.5	18.6	18.6
Black and other.....	25.5	26.5	26.3	25.8	¹ 21.9	21.4	21.3	22.1	22.3	22.4	22.9	22.9
Black.....	25.7	27.0	(NA)	(NA)	¹ 22.6	22.2	22.1	23.1	23.3	23.3	24.2	24.2
Birth rate per 1,000 women ..	108.2	118.3	118.0	96.6	87.9	66.2	66.4	66.7	65.8	67.8	66.6	66.6
White ..	102.3	113.7	113.2	91.4	84.1	65.3	64.7	63.0	62.2	64.0	62.7	64.5
Black and other ..	137.3	156.3	153.6	131.6	113.0	94.3	91.0	89.3	87.6	89.9	88.3	91.4
Black ..	(NA)	(NA)	153.5	133.2	115.4	94.3	90.6	89.2	87.2	89.6	88.6	90.5
Age of mother.....												
10-14 years.....	1.0	.9	.8	.8	1.2	1.3	1.2	1.3	1.2	1.2	1.2	1.2
15-19 years.....	61.6	90.5	99.1	70.5	68.3	59.7	58.1	56.3	53.5	53.7	52.4	53.4
20-24 years.....	196.6	242.0	258.1	195.3	197.6	120.7	119.0	114.7	112.1	115.2	112.3	115.7
25-29 years.....	166.1	190.5	197.4	161.6	145.1	113.6	113.3	110.3	108.8	114.2	112.0	115.6
30-34 years.....	103.7	118.2	112.7	94.4	73.3	56.1	54.4	53.1	54.5	57.5	59.1	61.8
35-39 years.....	52.9	58.7	56.2	46.2	31.7	22.0	20.2	19.4	19.0	19.2	18.9	19.4
40-44 years.....	15.1	16.1	15.5	12.6	8.1	5.4	4.6	4.6	4.3	4.2	3.9	3.9
45-49 years.....	¹ 1.2	¹ 1.0	¹ .9	.8	5	.3	.3	.3	.2	.2	.2	.2

NA Not available. ¹For explanation, see Guide to Tabular Presentation. For 1950, change from 1940. ²Per 1,000 live births. ³1971 ⁴Per 1,000 women, 15-44 years old in specified racial group. ⁵Rate computed by relating births to mothers 45 years old and over to women 45 to 49 years old.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.

NO. 87. BIRTH RATES, BY LIVE-BIRTH ORDER AND RACE: 1950 TO 1979

[Births per 1,000 women 15-44 years old in specified racial group. 1950 excludes Alaska and Hawaii. Live-birth order refers to number of children born alive. Figures for births of order not stated are distributed. See also heading, table 86, and *Historical Statistics, Colonial Times to 1970*, series B 20-27.]

LIVE-BIRTH ORDER	ALL RACES					WHITE					BLACK				
	1950	1960	1970	1975	1979	1950	1960	1970	1975	1979	1950	1960	1970	1975	1979
Total.....	108.2	118.0	67.9	66.7	66.5	102.3	113.2	64.1	63.0	64.5	137.3	153.6	118.4	66.2	66.5
First birth.....	33.3	31.1	34.2	26.4	29.2	33.3	30.8	32.9	26.9	27.9	33.6	33.6	43.3	37.4	36.2
Second birth.....	32.1	29.2	24.2	21.2	22.0	32.3	29.2	23.7	20.5	21.2	30.3	29.3	27.1	24.6	25.5
Third birth.....	18.4	22.6	13.6	9.5	10.3	17.9	22.7	13.3	8.9	9.6	22.9	24.0	16.1	12.6	14.7
Fourth birth.....	9.2	14.6	7.2	3.9	3.9	8.4	14.1	6.8	3.6	3.4	15.3	18.6	10.0	6.3	6.6
Fifth birth.....	4.8	8.3	3.8	1.8	1.5	4.1	7.5	3.4	1.6	1.3	10.4	14.1	6.4	3.3	3.1
Sixth and seventh.....	4.7	7.6	3.2	1.4	1.0	3.7	6.1	2.7	1.1	.8	12.6	16.4	7.0	2.9	2.2
Eighth and over.....	3.6	4.3	1.8	.7	.4	2.5	2.6	1.2	.5	.3	12.0	15.6	5.6	1.9	1.0

¹Black and other races.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.

NO. 88. LIVE BIRTHS—NUMBER AND RATE, BY STATES: 1960 TO 1979

[Registered births by place of residence. Beginning 1970, excludes births to nonresidents of the U.S. See Appendix III]

DIVISION AND STATE	NUMBER (1,000)								RATE PER 1,000 POPULATION ¹							
	1960	1965	1970	1975	1976	1977	1978	1979	1960	1965	1970	1975	1976	1977	1978	1979
U.S.	4,256	3,780	3,731	3,144	3,106	3,327	3,333	3,494	18.4	16.4	16.4	14.8	14.6	15.4	15.3	15.9
N.E.	237	213	200	160	146	152	163	158	22.5	19.1	18.8	12.1	11.9	12.4	12.6	12.9
Maine	23	20	18	15	15	16	16	16	24.0	19.9	17.9	14.4	14.0	14.9	14.5	14.8
N.H.	14	13	13	11	11	12	12	13	22.8	19.5	17.9	13.5	13.6	14.2	14.3	14.5
Vt.	9	8	8	7	7	7	7	8	24.1	20.5	18.8	14.3	14.2	14.5	14.6	15.2
Mass.	115	101	95	88	85	88	89	71	22.4	18.8	18.5	11.7	11.4	11.8	11.9	12.2
R.I.	18	17	16	11	11	12	12	12	21.4	19.4	18.5	11.6	11.7	12.4	12.4	12.8
Conn.	57	54	50	36	36	37	37	36	22.4	18.2	16.7	11.8	11.4	11.8	12.0	12.4
S.E.	733	666	630	477	475	488	488	490	21.5	18.3	16.8	12.8	12.7	13.2	13.6	13.4
N.Y.	358	330	318	236	235	240	234	230	21.4	18.6	17.4	13.0	13.0	13.4	13.2	13.4
N.J.	132	125	120	92	91	94	94	97	21.8	18.5	18.8	12.8	12.4	12.8	12.8	13.2
Pa.	241	205	193	149	148	154	152	158	21.3	17.6	16.3	12.6	12.5	13.0	12.9	13.5
M.I.C.	877	751	764	618	603	631	627	667	24.2	19.7	18.7	14.9	14.7	15.4	15.2	15.9
Ohio	231	195	200	159	155	162	161	167	23.6	19.1	18.7	14.8	14.5	15.1	15.0	15.8
Ind.	113	98	96	82	81	85	84	87	24.2	20.0	19.1	15.5	15.2	16.0	15.5	16.2
Ill.	239	208	205	169	170	177	175	184	23.7	19.6	18.5	15.2	15.2	15.8	15.5	16.4
Mich.	195	167	172	134	131	138	138	145	25.0	20.1	19.4	14.6	14.4	15.2	15.2	15.7
Wis.	100	83	78	65	65	69	69	73	25.2	20.0	17.8	14.1	14.1	14.8	14.7	15.5
W.M.C.	389	297	284	246	246	264	264	278	24.0	18.7	17.4	14.7	14.8	15.6	15.5	16.3
Minn.	88	71	68	58	57	60	62	65	25.7	19.9	18.0	14.4	14.3	15.2	15.4	16.1
Iowa	64	51	48	41	42	45	45	47	23.3	18.5	17.1	14.4	14.5	15.6	15.3	16.1
Mo.	98	81	81	69	69	73	73	76	22.7	18.1	17.3	14.4	14.4	15.2	15.0	15.7
N. Dak.	17	13	11	11	11	11	11	12	26.3	20.2	17.6	16.7	16.6	17.5	17.3	17.9
S. Dak.	18	14	12	11	12	12	12	13	25.9	19.7	17.0	16.5	17.0	17.6	17.7	18.9
Nebr.	34	28	26	24	24	25	25	26	24.3	18.8	17.3	15.3	15.3	16.1	16.0	16.7
Kans.	51	39	38	34	35	37	37	39	23.3	17.6	17.0	15.0	15.3	15.9	15.7	16.5
S.A.	629	575	574	482	481	509	506	537	24.2	20.0	18.7	14.3	14.2	14.8	14.6	16.1
Del.	12	11	11	8	8	9	9	9	25.9	21.2	19.2	14.2	13.9	14.8	14.9	15.9
Md.	77	74	71	53	53	56	55	58	24.9	21.0	17.8	12.9	12.7	13.5	13.3	14.0
D.C.	20	18	16	10	10	10	9	10	26.0	22.5	20.1	13.8	13.8	14.6	14.0	14.5
Va.	96	89	86	70	70	74	73	77	24.1	20.0	18.8	14.1	13.9	14.5	14.2	14.9
W. Va.	39	32	31	26	26	30	29	30	21.2	17.7	17.8	15.6	15.7	16.2	15.7	15.9
N.C.	110	98	98	81	81	85	82	84	24.1	19.9	19.3	14.6	14.7	15.3	14.8	15.0
S.C.	60	53	52	47	48	50	50	51	25.1	20.8	20.1	16.6	16.8	17.4	17.1	17.9
Ge.	100	94	87	80	79	85	84	86	25.3	21.7	21.1	16.2	15.9	16.8	16.6	17.2
Fla.	116	107	115	106	105	111	113	121	23.3	18.4	16.9	12.7	12.4	13.1	13.1	13.7
E.S.C.	294	268	248	218	218	233	229	236	24.4	19.4	18.2	16.0	16.8	16.4	16.4	16.7
Ky.	72	62	60	55	55	59	57	59	23.8	19.4	18.7	16.1	16.1	17.0	16.4	16.7
Tenn.	82	73	72	62	63	67	67	68	23.0	19.0	18.4	14.9	14.8	15.5	15.4	15.6
Ala.	81	71	67	58	58	62	60	63	24.7	20.4	19.4	16.1	15.8	16.8	16.2	16.6
Miss.	59	52	49	44	43	45	44	46	27.2	22.5	22.1	18.7	18.2	18.0	18.4	18.9
W.S.C.	431	375	366	301	300	306	303	419	25.4	20.2	20.0	17.3	17.3	17.6	17.8	16.7
Ark.	41	37	35	34	34	36	35	36	22.7	18.7	18.5	16.3	16.2	16.7	16.1	16.7
La.	90	80	74	66	70	75	75	79	27.7	22.5	20.4	17.9	18.2	19.1	18.6	19.7
Okla.	51	43	45	43	44	45	46	49	21.9	17.3	17.5	15.7	15.8	16.2	16.1	17.0
Tex. ²	249	216	231	216	218	229	237	255	26.0	20.4	20.6	17.6	17.5	17.9	18.2	19.0
Mt.	187	180	172	177	185	187	203	217	27.3	20.8	20.7	18.3	18.8	19.8	19.5	20.3
Mont.	17	14	13	12	13	13	14	14	25.9	19.3	18.2	16.1	16.7	17.6	17.4	17.9
Idaho	17	13	14	11	17	19	19	20	25.7	19.3	20.3	19.8	20.9	22.0	22.0	22.1
Wyo.	9	7	7	7	7	8	9	10	25.8	19.3	19.6	16.6	16.9	20.4	20.4	21.7
Colo.	43	37	42	40	41	43	44	47	24.5	18.7	18.8	15.9	15.9	16.4	16.3	17.0
N. Mex.	31	24	22	21	22	23	24	26	32.3	23.6	21.8	16.3	16.9	19.4	19.7	20.6
Ariz.	37	34	38	40	42	43	47	47	28.2	21.1	21.3	17.8	17.6	18.2	18.2	19.1
Utah	26	22	27	32	36	38	39	41	29.5	22.5	25.5	26.3	26.7	29.9	29.5	30.1
Nev.	7	9	10	9	10	10	11	12	25.5	21.5	19.6	15.3	15.8	16.1	15.5	17.6
Pac.	466	406	403	426	444	466	489	512	23.8	18.0	18.2	16.0	16.5	16.9	16.1	16.5
Wash.	65	53	61	51	53	57	59	64	22.9	17.7	17.8	14.3	14.7	15.8	15.5	16.4
Oreg.	36	33	36	33	35	38	39	42	21.7	17.4	16.8	14.6	15.0	15.8	15.9	16.6
Calif.	372	358	383	317	332	346	356	379	23.7	19.1	18.2	15.0	15.4	15.9	16.0	16.7
Alaska	8	7	8	7	8	8	9	9	33.4	27.9	25.1	21.2	20.8	20.8	21.6	22.4
Hawaii	17	16	16	16	16	17	17	18	27.2	23.0	21.4	18.2	18.5	18.9	18.6	19.2

¹Based on population (including Armed Forces abroad) enumerated as of Apr. 1 for 1960 and 1970, and estimated as of July 1 for other years. ²Exclusion of births to nonresidents beginning 1970 affects comparability with data for earlier years.Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and *Monthly Vital Statistics Report*.

NO. 88. LIVE BIRTHS, BY RACE—STATES: 1970 TO 1979

(In thousands. Registered births by place of residence. Excludes births to nonresidents of the U.S. See Appendix III)

DIVISION AND STATE	WHITE			BLACK			DIVISION AND STATE	WHITE			BLACK		
	1970	1975	1979	1970	1975	1979		1970	1975	1979	1970	1975	1979
U.S.	3,001	2,562	2,908	672	512	676	U.S.—Con.						
NE	186	127	146	10	9	11	Va.	67	53	56	18	16	19
Maine	16	15	16	(2)	(2)	(2)	W. Va.	30	27	29	1	1	1
N.H.	13	11	13	(2)	(2)	(2)	N.C.	70	55	57	27	24	25
Vt.	8	7	7	(2)	(2)	(2)	S.C.	33	28	30	19	18	20
Mass.	80	63	64	4	4	5	Ge.	66	52	55	30	26	32
R.I.	15	10	11	1	1	1	Fla.	67	76	86	27	27	32
Conn.	45	31	33	5	4	5							
SEA	533	385	382	102	83	89	E.S.C.	182	156	169	86	69	66
N.Y.	257	184	181	57	48	49	Ky.	56	50	53	5	5	6
N.J.	86	73	75	21	17	20	Tenn.	57	49	52	15	14	16
Pa.	169	129	136	24	19	20	Ala.	45	38	40	22	20	22
							Miss.	28	23	23	23	21	22
E.M.C.	846	610	646	104	98	102							
Ohio	175	137	142	24	21	23	W.S.C.	308	263	226	75	72	82
Ind.	90	73	77	9	9	10	Ark.	26	25	27	9	9	9
Ill.	163	130	140	40	36	40	La.	46	41	48	26	27	31
Mich.	144	110	119	27	23	24	Okl.	36	35	39	4	4	5
Wis.	73	60	67	4	4	5	Tex.	195	182	214	34	32	37
W.M.C.	282	224	253	16	16	19							
Minn.	67	54	62	1	1	1	MT	187	160	186	6	5	7
Iowa	47	40	45	1	1	1	Mont.	11	11	13	(2)	(2)	(2)
Mo.	68	57	64	12	11	12	Idaho	14	16	19	(2)	(2)	(2)
N. Dak.	10	10	11	(2)	(2)	(2)	Wyo.	6	7	9	(2)	(2)	(2)
S. Dak.	10	10	11	(2)	(2)	(2)	Colo.	39	38	44	2	2	2
Nebr.	24	22	24	1	1	1	N. Mex.	19	18	21	1	1	1
Kans.	35	31	35	3	2	3	Ariz.	32	33	39	1	2	2
							Utah	26	31	40	(2)	(2)	(2)
SEA	416	336	362	154	136	167	Nev.	8	8	10	1	1	1
Del.	8	6	7	2	2	2							
Md.	52	36	39	16	14	18	Pac.	413	354	419	36	36	46
D.C.	2	1	1	13	8	8	Wash.	56	46	56	2	2	3
							Oreg.	53	32	39	1	1	1
							Calif.	313	267	312	35	33	42
							Alaska	6	5	6	(2)	(2)	(2)
							Hawaii	5	4	4	(2)	(2)	1

Z Fewer than 500.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and *Monthly Vital Statistics Report*.

NO. 90. LIVE BIRTHS, BY ATTENDANT AND PLACE OF DELIVERY, AND MEDIAN AND LOW-BIRTH WEIGHT, BY RACE: 1950 TO 1979

(Represents registered births. Prior to 1950, excludes Alaska and Hawaii. Beginning 1970, excludes births to nonresidents of the U.S. For total number of births, see table 88. See Appendix III)

YEAR	BIRTHS ATTENDED (1,000)			MEDIAN BIRTH WEIGHT			PERCENT OF BIRTHS WITH LOW BIRTH WEIGHT ¹		
	Physician in hospital ²	Not in hospital		Total ³	White	Black	Total ⁴	White	Black
		Physician	Midwife and other ⁵						
1950	3,128	252	177	7 lb.-5 oz.	7 lb.-5 oz.	7 lb.-3 oz. ⁶	7.6	7.2	*10.4
1955	3,819	101	126	7 lb.-5 oz.	7 lb.-5 oz.	7 lb.-1 oz. ⁶	7.7	6.9	*11.6
1960	4,114	49	94	7 lb.-5 oz.	7 lb.-6 oz.	6 lb.-15 oz. ⁶	7.7	6.6	*12.9
1965	3,681	33	66	7 lb.-4 oz.	7 lb.-5 oz.	6 lb.-14 oz. ⁶	6.3	7.2	*13.8
1970	3,706	5	16	7 lb.-4 oz.	7 lb.-5 oz.	6 lb.-14 oz.	7.9	6.6	13.9
1972	3,234	7	16	7 lb.-5 oz.	7 lb.-6 oz.	6 lb.-14 oz.	7.7	6.5	13.6
1973	3,115	7	16	7 lb.-5 oz.	7 lb.-6 oz.	6 lb.-15 oz.	7.6	6.4	13.3
1974	3,134	11	16	7 lb.-5 oz.	7 lb.-7 oz.	6 lb.-15 oz.	7.4	6.3	13.1
1975	3,105	11	26	7 lb.-5 oz.	7 lb.-7 oz.	6 lb.-15 oz.	7.4	6.3	13.1
1976	3,124	12	32	7 lb.-6 oz.	7 lb.-7 oz.	6 lb.-15 oz.	7.3	6.1	13.0
1977	3,278	12	36	7 lb.-6 oz.	7 lb.-8 oz.	6 lb.-15 oz.	7.1	5.9	12.8
1978	3,301	12	21	7 lb.-6 oz.	7 lb.-8 oz.	6 lb.-15 oz.	7.1	5.9	12.9
1979	3,400	12	22	7 lb.-7 oz.	7 lb.-8 oz.	6 lb.-15 oz.	6.9	5.8	12.6

¹ Includes all births in hospitals or institutions and in clinics. ² Includes births with attendant not specified. ³ Includes other races not shown separately. ⁴ Through 1978, births of 2,500 grams (5 lb.-6 oz.) or less at birth; 1979, less than 2,500 grams. ⁵ Black and other races.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.

NO. 91. SOCIAL AND ECONOMIC CHARACTERISTICS OF WOMEN, 18-44 YEARS OLD, WHO HAVE HAD A CHILD IN THE LAST YEAR: 1980

[Covers civilian noninstitutional population. Based on results of June 1980 Current Population Survey (CPS); see text, p. 2. Since the number of women who had had a birth during the 12-month period were tabulated and not the actual numbers of births themselves, some small underestimation of fertility for this period may exist due to the omission of: (1) Multiple births, (2) Two or more live births spaced within the 12-month period (the woman is counted only once), (3) Women who had births in the period and who did not survive to the survey date, (4) Women who were in institutions and therefore not in the survey universe. These losses may be somewhat offset by the inclusion in the CPS of births to immigrants who did not have their children born in the United States and births to nonresident women. These births would not have been recorded in the vital registration system]

CHARACTERISTIC	Num-ber of women (1,000)	WOMEN WHO HAD A CHILD LAST YEAR		CHARACTERISTIC	Num-ber of women (1,000)	WOMEN WHO HAD A CHILD LAST YEAR	
		Num-ber (1,000)	Per 1,000 women			Num-ber (1,000)	Per 1,000 women
Total women, 18-44 yrs ¹	45,652	3,247	71.1	Labor force status:			
18-24 years old.....	14,456	1,396	96.6	In labor force.....	30,179	1,233	40.9
25-29 years old.....	9,419	1,061	114.8	Employed.....	27,403	1,025	37.4
30-34 years old.....	8,651	519	60.0	Unemployed.....	2,775	208	75.0
35-39 years old.....	7,144	192	26.9	Not in labor force.....	15,474	2,013	130.1
40-44 years old.....	5,983	59	9.9	Family income:			
White.....	38,969	2,670	68.5	Under \$5,000.....	3,721	351	94.3
Black.....	5,610	471	84.0	\$5,000-\$9,999.....	6,132	532	86.8
Spanish origin ²	3,003	320	106.6	\$10,000-\$14,999.....	7,877	661	83.9
Married, spouse present.....	27,381	2,660	97.2	\$15,000-\$19,999.....	6,663	514	77.1
Married, spouse absent ³	1,934	126	65.2	\$20,000-\$24,999.....	6,803	475	69.8
Widowed or divorced.....	4,069	112	27.5	\$25,000 and over.....	11,947	579	48.5
Single.....	12,270	348	28.4	Years of school completed:			
Region of residence:				Not a high school graduate.....	8,617	792	91.9
Northeast.....	9,978	623	62.4	High school, 4 years.....	20,643	1,475	71.5
North Central.....	11,901	842	70.8	College, 1-3 years.....	9,276	542	58.4
South.....	14,719	1,055	71.7	College, 4 years.....	4,794	316	65.9
West.....	9,055	726	80.2	College, 5 or more years.....	2,322	121	52.1

¹ Includes women of other races and women with family income not reported, not shown separately. ² Persons of Spanish origin may be of any race. ³ Includes separated women.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 364.

NO. 92. LIFETIME BIRTHS EXPECTED BY WIVES, 18-34 YEARS OLD—PERCENT DISTRIBUTION: 1967 TO 1980

[As of June, except 1967 as of Feb.-Mar. Refers to currently married women in the civilian noninstitutional population. Data limited to wives reporting on birth expectations. Based on Current Population Survey; see text, p. 2]

NUMBER OF BIRTHS EXPECTED	1967					1975					
	Race		Age			Race			Age		
	White	Black	18-24 years	25-29 years	30-34 years	White	Black	Span-ish origin ¹	18-24 years	25-29 years	30-34 years
None.....	2.2	3.0	1.3	2.5	6.1	4.9	3.0	3.2	4.1	4.9	5.2
One.....	5.5	8.1	6.1	5.1	5.5	10.8	10.7	10.6	11.2	11.7	9.8
Two.....	31.4	24.9	37.1	29.3	18.8	49.8	40.0	40.4	58.2	50.4	38.3
Three.....	30.3	25.1	29.8	33.5	14.9	23.3	22.4	25.2	19.4	23.3	26.8
Four or more.....	30.6	39.0	25.7	29.9	55.3	11.1	24.0	20.5	7.0	9.8	19.8
1980											
	Race			Age			Education			Labor force status	
	White	Black	Span-ish origin ¹	18-24 years	25-29 years	30-34 years	Not high school gradu-ate	High school, 4 years	Col-lege, 1 year or more	In labor force	Not in labor force
None.....	6.0	4.0	2.8	4.9	5.5	7.0	2.6	5.6	7.7	8.3	2.5
One.....	13.2	14.4	9.4	12.8	13.2	13.6	11.7	14.4	12.4	15.8	9.8
Two.....	51.5	45.3	44.3	56.0	52.8	45.7	39.7	52.6	54.4	52.1	49.8
Three.....	20.4	22.2	24.2	19.1	20.3	21.8	26.7	19.7	18.8	17.5	24.5
Four or more.....	8.8	14.2	19.4	7.2	8.3	11.9	19.4	7.7	6.8	6.3	13.4

¹ Persons of Spanish origin may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, Nos. 301 and 364.

No. 93. LIFETIME BIRTHS EXPECTED PER 1,000 WIVES: 1967 TO 1980

[Refers to currently married women in the civilian noninstitutional population. Based on Current Population Survey; see text, p. 1]

YEAR AND MONTH	LIFETIME BIRTHS TO ALL WIVES AGED—				LIFETIME BIRTHS TO WHITE WIVES AGED—				LIFETIME BIRTHS TO BLACK WIVES AGED—			
	18-24	25-29	30-34	35-39	18-24	25-29	30-34	35-39	18-24	25-29	30-34	35-39
1967 (Feb.-Mar.)	2,852	3,037	3,268	3,300	2,859	3,001	3,200	3,215	2,762	3,407	4,257	4,226
1971 (June)	2,375	2,619	2,989	3,257	2,353	2,577	2,936	3,189	2,623	3,112	3,714	4,223
1975 (June)	2,173	2,260	2,610	3,058	2,147	2,233	2,564	2,989	2,489	2,587	3,212	3,962
1977 (June)	2,137	2,197	2,468	2,948	2,140	2,183	2,424	2,876	2,092	2,304	2,960	3,867
1978 (June)	2,166	2,215	2,424	(NA)	2,139	2,188	2,395	(NA)	2,461	2,604	2,769	(NA)
1979 (June)	2,164	2,193	2,282	(NA)	2,145	2,189	2,259	(NA)	2,361	2,554	2,580	(NA)
1980 (June)	2,134	2,166	2,248	(NA)	2,130	2,148	2,223	(NA)	2,155	2,426	2,522	(NA)

NA Not available.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 364, and earlier and forthcoming reports.

No. 94. CHILDLESS WOMEN AND CHILDREN EVER BORN, BY AGE OF WOMAN: 1950 TO 1980

[Prior to 1960, excludes Alaska and Hawaii. 1950, 1960, and 1970 based on sample of decennial census, see source; all other years based on Current Population Survey, see text, p. 2. See also *Historical Statistics, Colonial Times to 1970*, series B 49-66]

AGE	1980 (April)	1964 (April)	1980 (April)	1966 (June)	1970 (April)	1975 (June)	1978 (June)	1979 (June)	1980 (June)			
									Total ¹	White	Black	Span- ish ori- gin ²
PERCENT CHILDLESS AMONG WOMEN EVER MARRIED												
15-44 years	22.8	16.1	15.0	14.2	16.4	18.0	18.9	19.0	18.8	19.8	11.5	14.4
15-19 years	52.8	47.0	43.6	48.0	50.9	50.6	54.2	48.5	46.6	48.5	(B)	33.3
20-24 years	33.3	24.3	24.2	26.0	35.7	42.3	40.9	40.5	40.4	42.3	22.1	30.0
25-29 years	21.1	16.9	12.6	11.7	15.8	21.1	25.2	28.2	25.3	26.6	13.6	15.1
30-34 years	17.3	13.4	10.4	7.2	8.3	8.8	11.6	13.1	13.7	14.1	9.8	7.0
35-39 years	19.1	15.9	11.1	8.7	7.3	5.3	7.0	7.1	8.0	8.1	8.8	8.4
40-44 years	20.0	17.8	14.1	11.0	8.6	7.0	6.1	6.7	6.6	6.4	7.7	6.9
45-49 years	20.4	19.0	18.1	13.9	10.6	7.3	7.2	7.1	7.7	7.3	11.2	8.7
50-59 years	18.1	(NA)	20.7	19.3	15.6	11.5	9.8	9.7	9.3	8.8	13.8	8.5
CHILDREN EVER BORN PER 1,000 WOMEN EVER MARRIED												
15-44 years	1,859	2,037	2,314	2,477	2,360	2,140	2,040	1,993	1,965	1,893	2,618	2,282
15-19 years	604	667	792	685	636	601	548	649	626	597	(B)	604
20-24 years	1,092	1,337	1,441	1,328	1,071	886	909	919	930	877	1,440	1,240
25-29 years	1,664	1,930	2,241	2,360	1,964	1,580	1,443	1,411	1,397	1,343	1,868	1,724
30-34 years	2,059	2,247	2,627	2,950	2,606	2,387	2,135	2,029	1,970	1,932	2,349	2,493
35-39 years	2,247	2,334	2,686	3,016	3,170	2,994	2,768	2,678	2,572	2,514	3,113	3,091
40-44 years	2,364	2,335	2,564	2,856	3,097	3,282	3,212	3,106	3,105	2,958	4,269	3,475
45-49 years	2,492	2,436	2,402	2,603	2,854	3,152	3,236	3,249	3,165	3,130	3,627	3,635
50-59 years	2,622	(NA)	2,420	2,350	2,520	2,759	2,944	2,989	3,005	2,942	3,552	3,845

B Base less than 75,000. NA Not available. ¹Includes other races not shown separately. ²Persons of Spanish origin may be of any race.
Source: U.S. Bureau of the Census, *U.S. Census of Population: 1950, Special Report, Fertility, part 5*; *U.S. Census of Population: 1960 and 1970, Vol. 1, Characteristics of the Population, Part 1, U.S. Summary*; and *Current Population Reports*, series P-20, No. 364, and earlier and forthcoming reports.

No. 95. MARRIAGE AND CHILDBEARING AT EARLY AGES FOR WOMEN BORN FROM 1920-1924 TO 1950-1954: 1978

[Covers civilian noninstitutional population. Based on June 1978 Current Population Survey; see text, p. 2]

ITEM	PERIOD DURING WHICH WOMEN WERE BORN						
	1920-1924	1925-1929	1930-1934	1935-1939	1940-1944	1945-1949	1950-1954
Number of women (1,000)	6,056	6,025	5,880	5,957	6,901	8,548	9,230
Percent married by—							
Age 20	34.3	38.6	43.5	46.5	43.3	39.5	38.6
Age 25	76.6	79.5	81.4	83.3	81.6	80.5	(NA)
Percent having first child by—							
Age 20	18.3	22.0	25.3	29.1	29.1	25.1	23.0
Age 25	55.1	63.0	67.4	71.6	67.9	81.2	(NA)

NA Not available.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 100.

NO. 96. PERCENT DISTRIBUTION OF FIRST BIRTHS BETWEEN 1950 AND 1979 BY AGE OF MOTHER AT BIRTH OF FIRST CHILD: 1979

[Covers civilian noninstitutional population. Data include children born to women of all marital classes. Based on results of June 1979 Current Population Survey; see text, p. 2. For definition of median, see Guide to Tabular Presentation]

PERIOD OF CHILD'S BIRTH	First births ¹ (1,000)	CUMULATIVE PERCENT, BY AGE OF MOTHER					Median age (yrs.)
		17 yrs.	20 yrs.	25 yrs.	30 yrs.	35 yrs. and over	
1950-1954 ²	5,139	10.8	37.9	80.1	96.9	100.0	22.2
1955-1959 ³	5,849	11.9	42.0	79.3	93.2	100.0	21.8
1960-1964	5,982	11.2	45.3	81.9	93.2	100.0	21.4
1965-1969	6,321	11.4	45.7	84.0	95.2	100.0	21.4
1970-1974	6,880	13.9	43.4	82.5	96.2	100.0	21.7
1975-1979 ⁴	6,111	11.7	39.3	78.2	94.8	100.0	22.3

¹Represents number of women who had their first child in specified period.

²Excludes some first births to women occurring after age 30.

³Excludes some first births to women occurring after age 35.

⁴Covers first births occurring up to survey date.

Excludes first births to never-married women who were not 18 years old as of the survey date.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 358.

NO. 97. BIRTHS TO UNMARRIED WOMEN, BY RACE AND AGE OF MOTHER: 1950 TO 1979

[Prior to 1960, excludes Alaska and Hawaii. Beginning 1970, excludes births to nonresidents of U.S. Includes estimates for States in which marital status data were not reported. No estimates included for misstatements on birth records or failures to register births. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series B 26-35]

RACE AND AGE OF MOTHER	1950	1955	1960	1965	1970	1975	1976	1977	1978	1979
NUMBER (1,000)										
Total live births	141.6	183.3	234.3	291.2	398.7	447.9	488.1	515.7	543.8	597.8
White	53.5	64.2	82.5	123.7	175.1	188.4	197.1	220.1	233.8	263.0
Black and other	88.1	119.2	141.8	167.5	223.6	259.5	291.0	295.5	310.2	334.8
Black	(NA)	(NA)	(NA)	(NA)	215.1	249.6	258.8	281.6	293.4	316.8
Under 15 years	3.2	3.9	4.8	6.1	9.5	11.0	10.3	10.1	8.4	8.5
15-19 years	56.0	68.9	87.1	123.1	190.4	222.5	225.0	239.7	239.7	253.2
20-24 years	43.1	55.7	68.0	90.7	126.7	134.0	145.4	166.6	166.5	210.1
25-29 years	20.9	28.0	32.1	36.8	40.6	50.2	55.4	62.4	70.0	80.6
30-34 years	10.8	16.1	18.9	19.8	19.1	19.8	21.0	23.7	26.5	31.3
35 years and over	7.7	10.7	13.6	15.1	12.4	10.4	10.8	11.1	11.7	13.1
PERCENT DISTRIBUTION										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
White	37.8	35.0	35.6	42.5	43.9	41.6	42.1	42.7	42.9	44.0
Black and other	62.2	65.0	64.2	57.5	56.1	58.4	57.9	57.3	57.0	56.0
Black	(NA)	(NA)	(NA)	(NA)	57.6	58.4	57.9	57.3	57.0	56.0
Under 15 years	2.3	2.2	2.1	2.1	2.4	2.5	2.2	2.0	1.7	1.6
15-19 years	39.5	38.6	38.8	42.3	47.8	49.7	48.1	46.5	44.1	42.4
20-24 years	30.4	29.9	30.3	31.1	31.8	29.9	31.1	32.7	34.3	36.1
25-29 years	14.8	14.8	14.3	12.6	10.2	11.2	11.8	12.1	12.9	13.5
30-34 years	7.6	8.4	8.4	6.7	4.8	4.4	4.5	4.6	4.9	5.2
35 years and over	5.4	5.7	6.1	5.2	3.1	2.3	2.3	2.2	2.2	2.2
BIRTHS TO UNMARRIED WOMEN AS PERCENT OF ALL BIRTHS										
Total	4.0	4.5	5.3	7.7	19.7	14.3	14.8	16.5	16.3	17.1
White	1.7	1.8	2.3	4.0	5.7	7.3	7.7	8.2	8.7	9.4
Black and other	16.8	19.4	21.6	26.9	34.9	44.2	45.2	48.5	47.6	48.8
Black	(NA)	(NA)	(NA)	(NA)	37.6	48.8	50.3	51.7	53.2	54.7
BIRTH RATE ¹										
Total ²	14.1	19.3	21.6	23.5	26.4	24.8	24.7	26.0	26.2	27.8
White ³	6.1	7.9	9.2	11.6	13.6	12.6	12.7	13.7	13.9	15.1
Black and other ³	71.2	87.2	98.3	97.6	89.9	80.4	78.1	79.4	78.7	80.9
Black ³	(NA)	(NA)	(NA)	(NA)	95.5	85.8	83.2	84.5	83.1	85.3
15-19 years	12.6	15.1	15.3	16.7	22.4	24.2	24.0	25.5	25.4	26.9
20-24 years	21.3	33.5	39.7	39.9	38.4	31.8	32.2	34.7	36.1	38.7
25-29 years	19.9	33.5	45.1	49.3	37.0	28.0	27.5	28.5	29.4	31.0
30-34 years	13.3	22.0	27.6	37.5	27.1	18.1	17.8	17.2	17.3	18.2

NA Not available.

¹Rate per 1,000 unmarried women (never-married, widowed, and divorced).

²Covers women aged 15-44 years.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.

No. 98. CHILDREN EVER BORN TO SINGLE WOMEN, BY AGE AND RACE OF WOMAN: 1970 TO 1980

[Refers to women never-married at time of survey. 1970 as of April, based on the enumerated resident population, 1976 and 1980 as of June, based on the civilian noninstitutional population from Current Population Survey. See text, p. 2]

ITEM	ALL SINGLE WOMEN ¹			WHITE SINGLE WOMEN			BLACK SINGLE WOMEN		
	Total, 18-49 years	18-29 years	30-49 years	Total, 18-49 years	18-29 years	30-49 years	Total, 18-49 years	18-29 years	30-49 years
1970									
Single women (1,000)	8,107	6,664	1,443	6,788	5,615	1,173	1,177	933	244
Children ever born (1,000)	1,755	1,024	731	693	407	286	1,021	592	429
Rate per 1,000 women	216	154	506	102	72	244	867	635	1,758
Percent distribution by number born:									
None	90.0	91.1	82.6	94.7	95.7	90.6	60.2	84.1	45.6
One	10.0	8.9	6.6	3.1	3.0	4.5	19.5	20.3	15.8
Two or more			10.8	2.2	1.2	4.9	20.2	15.5	38.6
1976									
Single women (1,000)	10,180	8,823	1,357	8,189	7,157	1,032	1,772	1,476	296
Children ever born (1,000)	2,198	1,425	773	608	405	203	1,544	983	581
Rate per 1,000 women	216	162	570	74	57	197	871	666	1,895
Percent distribution by number born:									
None	88.1	89.5	79.3	95.1	95.7	90.4	56.1	59.3	40.1
One	6.8	6.9	6.8	3.4	3.3	4.2	22.7	24.0	16.2
Two or more	5.0	3.7	13.9	1.5	.9	5.4	21.2	16.7	43.8
1980									
Single women (1,000)	12,500	10,693	1,807	9,862	8,557	1,305	2,327	1,888	439
Children ever born (1,000)	3,142	2,022	1,120	898	666	232	2,199	1,325	874
Rate per 1,000 women	251	189	620	91	78	178	945	702	1,991
Percent distribution by number born:									
None	85.7	87.3	76.4	93.5	93.9	90.5	52.2	56.7	32.6
One	8.6	8.5	9.0	4.9	4.7	5.9	24.5	26.0	18.5
Two or more	5.7	4.2	14.6	1.6	1.3	3.6	23.3	17.3	49.0

¹Includes races not shown separately.
Source: U.S. Bureau of the Census, *Census of Population: 1970, Women by Number of Children Ever Born*, PC(2)-3A; and *Current Population Reports*, series P-20, No. 308, and forthcoming report.

No. 99. UNWANTED BIRTHS OF ALL MOTHERS, 15-44 YEARS OLD: 1973 AND 1976

[Data represent the birth experience to date of all mothers 15-44 years old who have been married or are single with children of their own in the household. From the 1973 and 1976 National Survey of Family Growth; based on a multi-stage area probability sample. Data are subject to sampling variability]

CHARACTERISTIC	1973				1976					
	Num- ber of moth- ers (1,000)	Total live births ¹ (1,000)	Unwanted births ²		Num- ber of moth- ers (1,000)	Total live births ¹ (1,000)	Unwanted births ³		All births per mother	Unwant- ed ³ births per mother
			Num- ber (1,000)	Per- cent			Num- ber (1,000)	Per- cent		
Total mothers ³	25,803	68,184	8,910	13.1	*27,055	*67,849	8,125	12.0	2.51	.30
Race:										
White	22,182	57,551	6,068	10.5	22,837	56,238	5,350	9.5	2.46	.23
Black	3,359	9,984	2,783	27.9	3,726	10,525	2,716	25.8	2.82	.73
Education:										
Less than high school	2,622	9,123	1,501	16.5	2,187	7,274	1,264	17.4	3.33	.58
High school: 1-3 years	5,697	18,884	3,024	17.9	5,478	15,543	2,405	15.5	2.84	.44
4 years	12,161	29,917	3,307	11.1	12,651	30,405	3,391	11.2	2.40	.27
College: 1-3 years	3,182	7,585	734	9.7	3,783	8,391	776	9.3	2.23	.21
4 years or more	2,140	4,675	344	7.4	2,925	6,114	286	4.7	2.09	.10
Currently married mothers ³	21,816	57,524	6,416	11.2	*22,253	*55,900	5,516	9.9	2.51	.25
Race:										
White	19,764	51,391	5,055	9.8	19,921	49,453	4,299	8.7	2.46	.22
Black	1,822	5,561	1,331	23.9	1,927	5,533	1,177	21.3	2.87	.61
Education:										
Less than high school	1,948	6,846	838	12.2	1,663	5,584	832	14.9	3.36	.50
High school: 1-3 years	4,482	13,274	2,114	15.9	3,951	11,226	1,320	11.8	2.84	.33
4 years	10,646	26,494	2,566	9.8	10,741	26,120	2,547	9.8	2.43	.24
College: 1-3 years	2,816	6,722	602	9.0	3,244	7,381	597	8.1	2.28	.18
4 years or more	1,924	4,187	279	6.7	2,613	5,503	219	4.0	2.11	.08

¹Multiple births counted only once. ²All births which mothers report as "not wanted" or "probably not wanted" at time of becoming pregnant. ³Includes races not shown separately. ⁴Includes education not reported.

Source: U.S. National Center for Health Statistics, *Wanted and Unwanted Births Reported by Mothers, 15-44 Years of Age: United States, 1973 and 1976*; *Advance Data From Vital and Health Statistics*, HRA 77-1250 and PHS 80-1250; and unpublished data.

No. 100. CONTRACEPTIVE USE BY CURRENTLY MARRIED WOMEN 15-44 YEARS OLD, BY AGE, RACE, AND METHOD OF CONTRACEPTION: 1965 TO 1976

(1965 data from National Fertility Survey, 1973 and 1976 data, see table 99)

RACE AND METHOD OF CONTRACEPTION	TOTAL, 15-44 YEARS OLD			15-29 YEARS OLD			30-44 YEARS OLD		
	1965	1973	1976	1965	1973	1976	1965	1973	1976
WHITE WOMEN									
Currently married (1,000).....	22,427	24,349	24,795	9,199	10,993	11,218	14,261	13,356	13,577
Percent using contraception.....	84.1	70.5	86.8	83.4	70.7	70.0	84.5	70.4	87.8
Percent distribution of users of contraception.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Wife sterilized.....	6.5	11.6	13.9	2.8	5.7	6.1	8.7	16.5	20.5
Husband sterilized.....	8.5	11.9	14.2	3.2	6.8	6.0	7.0	17.1	21.1
Pill.....	24.0	36.6	32.9	42.4	52.9	50.8	12.8	21.2	17.9
Intra-uterine device.....	11.1	9.4	9.2	11.5	11.9	10.8	1.8	7.4	8.1
Diaphragm.....	10.4	3.6	4.4	6.6	2.6	4.1	12.8	4.4	4.6
Condom.....	22.4	14.1	10.9	19.2	10.5	9.7	24.4	17.1	11.9
Foam.....	3.1	6.0	4.2	4.5	5.3	4.8	2.2	4.7	3.8
Rhythm.....	11.5	4.1	5.1	8.0	2.0	4.0	13.7	5.9	6.1
All other.....	15.5	4.8	5.3	11.9	3.6	4.3	17.7	5.9	6.1
BLACK WOMEN									
Currently married (1,000).....	2,091	2,091	2,199	(NA)	964	999	(NA)	1,117	1,177
Percent using contraception.....	58.2	60.0	58.6	62.2	63.7	61.0	51.1	58.8	58.5
Percent distribution of users of contraception.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Wife sterilized.....	15.3	22.7	18.7	7.4	8.8	8.6	23.4	35.2	27.9
Husband sterilized.....	1.6	1.7	1.0	1.4	1.7	1.3	1.7	1.2	1.4
Pill.....	21.9	43.8	39.0	30.9	63.9	59.0	12.3	24.9	21.5
Intra-uterine device.....	2.8	12.7	10.6	4.6	13.1	9.1	.7	12.4	11.9
Diaphragm.....	6.0	12.0	19.0	3.3	11.2	11.4	6.7	12.9	14.5
Condom.....	17.4	6.3	7.9	16.7	13.1	8.4	16.0	7.5	7.4
Foam.....	6.3	5.0	6.5	8.1	3.5	4.9	4.6	6.6	6.0
Rhythm.....	2.6	11.3	12.4	2.9	11.9	13.1	2.2	1.9	11.8
All other.....	26.5	6.3	10.0	23.5	3.1	8.3	39.5	7.9	11.9

NA Not available. ¹Figure does not meet standards of reliability or precision.

Source: 1965, Westoff, C. F., "Trends in Contraceptive Practice: 1965-1973," in Alan Guttmacher Institute, *Family Planning Perspectives*, vol. 8, No. 2, 1978; 1973 and 1976, U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 23, No. 10, DHEHS publication No. 82-1980.

No. 101. LEGAL ABORTIONS, BY SELECTED CHARACTERISTICS: 1973 TO 1980

(Number of abortions from surveys conducted by source; characteristics from the U.S. Centers for Disease Control's (CDC) annual abortion surveillance summaries, with adjustments for changes in States reporting data to the CDC each year)

CHARACTERISTIC	NUMBER (1,000)								PERCENT DISTRIBUTION			ABORTION RATIO ¹	
	1973	1974	1975	1976	1977	1978	1979	1980	1973	1975	1980	1973	1979
Total legal abortions.....	744.6	888.6	1,034.2	1,179.3	1,318.7	1,406.8	1,487.7	1,553.9	100.0	100.0	100.0	183	297
Age of woman:													
Less than 15 years old.....	11.6	13.4	15.3	15.8	15.7	15.1	16.2	15.3	1.6	1.5	1.0	476	589
15-19 years old.....	232.4	278.3	324.9	382.7	396.6	418.8	444.8	444.8	31.2	31.4	28.6	280	444
20-24 years old.....	240.6	266.6	331.6	392.3	449.7	489.4	525.7	549.4	32.3	32.1	35.4	181	304
25-29 years old.....	129.6	162.7	188.9	220.5	246.7	266.0	284.2	303.9	17.4	18.2	19.6	126	208
30-34 years old.....	72.6	89.8	100.2	110.1	124.4	134.3	142.0	153.1	9.7	9.7	9.8	165	213
35-39 years old.....	41.0	46.8	52.7	58.7	61.7	65.3	65.1	68.6	5.5	5.1	4.3	246	322
40 years old and over.....	16.8	19.0	20.6	21.3	22.0	20.7	19.9	20.9	2.3	2.0	1.3	334	447
Race of woman:													
White.....	548.6	629.3	701.2	784.9	888.8	968.4	1,062.4	1,093.6	73.7	67.8	70.4	179	272
Black and other.....	195.6	259.3	333.0	394.4	427.9	440.2	436.3	460.3	26.3	32.2	29.6	252	385
Marital status of woman:													
Married.....	216.2	248.2	271.9	290.0	299.7	350.6	322.2	319.9	29.0	26.3	20.6	74	99
Unmarried.....	528.4	650.4	762.3	889.3	1,017.0	1,056.0	1,175.5	1,234.0	71.0	73.7	79.4	584	680
Number of prior live births:													
None.....	375.2	482.5	499.3	582.8	742.5	796.1	869.2	900.0	50.4	48.3	57.9	242	385
1.....	137.4	155.5	206.8	244.4	249.4	271.3	297.1	304.6	18.5	20.0	19.6	106	201
2.....	102.2	130.1	156.8	181.5	186.5	198.0	207.0	215.6	13.7	15.2	13.9	190	279
3.....	61.7	70.3	88.6	97.7	80.0	83.3	82.1	82.9	8.3	8.4	5.3	228	289
4 or more.....	68.2	80.2	94.4	93.1	58.4	58.9	53.3	50.6	8.1	8.1	3.3	196	256
No. of prior induced abortions:													
None.....	(NA)	762.1	822.1	911.3	996.7	994.5	1,023.3	1,040.8	(NA)	79.5	87.0	(NA)	(NA)
1.....	(NA)	112.6	170.4	213.2	267.9	315.5	360.4	371.0	(NA)	16.5	23.8	(NA)	(NA)
2 or 3.....	(NA)	24.0	41.7	54.7	82.2	89.6	124.0	142.1	(NA)	4.0	9.2	(NA)	(NA)
Weeks of gestation:													
Less than 9 weeks.....	284.3	399.4	480.6	559.9	657.8	707.8	748.5	800.0	38.2	46.6	51.5	(NA)	(NA)
9-10 weeks.....	221.6	258.5	290.4	333.8	381.2	386.4	412.9	416.5	29.7	28.1	26.8	(NA)	(NA)
11-12 weeks.....	130.6	124.9	151.1	171.3	179.5	187.7	203.6	201.8	17.5	14.6	13.0	(NA)	(NA)
13 weeks or more.....	108.2	107.8	112.1	114.4	116.2	125.7	132.6	135.7	14.6	10.6	8.7	(NA)	(NA)

NA Not available. ¹Number of abortions per 1,000 abortions and live births. For 1980, total abortion ratio is 300.

Source: 1973-1978, S. K. Hershaw, J. D. Forrest, E. Sullivan, and C. Tietze, *Abortion 1977-1978: Need and Services in the United States, Each State and Metropolitan Area*, The Alan Guttmacher Institute, New York, N.Y., 1981 (copyright); 1979-1980: *Abortion 1979-1980: Need and Services in the United States, Each State and Metropolitan Area*, AGI, New York, N.Y., coming.

No. 102. LEGAL ABORTIONS—ESTIMATED NUMBER, RATE, AND RATIO BY RACE: 1972 TO 1980

[Refers to women 15-44 years old at time of abortion. NA=Not available]

YEAR	WHITE				BLACK AND OTHER			
	Women, 15-44 yr old (1,000)	Number of abortions (1,000)	Abortion rate per 1,000 women	Abortion ratio per 1,000 live births	Women, 15-44 yr old (1,000)	Number of abortions (1,000)	Abortion rate per 1,000 women	Abortion ratio per 1,000 live births
1972	38,532	466.3	11.8	175	6,056	131.5	21.7	223
1975	40,657	701.2	17.2	276	6,748	333.0	49.3	565
1976	41,721	764.9	18.8	296	7,000	364.4	58.3	638
1977	42,567	868.5	20.9	333	7,247	427.8	58.0	679
1978	43,427	968.4	22.3	358	7,493	440.2	58.7	685
1979	44,286	1,082.4	24.0	373	7,750	435.3	56.2	625
1980	44,842	1,083.5	24.3	(NA)	8,106	480.3	56.8	(NA)

Source: The Alan Guttmacher Institute, New York, N.Y., unpublished data.

No. 103. REPORTED LEGAL ABORTIONS, 1975 TO 1980, AND CHARACTERISTICS, 1979—STATES

[By State of occurrence. Based on available data from central health agencies with statewide reporting systems; therefore, figures may differ from those shown in table 104 which are based on surveys of hospitals and physicians]

STATE OF OCCUR- RENCE	NUMBER OF ABORTIONS (1,000)			RATIO ABORTIONS TO 1,000 LIVE BIRTHS			PERCENT DISTRIBUTION, 1979										
							Race		Marital status		Weeks of gestation		Number of previous live births ¹				
	1975	1976	1980	1975	1976	1980	White	Black and other	Mar- ried	Un- married	12 or less	13 or more	None	1	2	3 or more	
Ala.	(NA)	15.4	17.9	(NA)	247	263	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Alaska	1.2	1.9	1.9	189	208	202	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Ariz.	(NA)	7.8	9.3	(NA)	167	185	82.9	12.1	23.1	72.4	91.5	7.4	63.3	16.9	12.4	7.4	
Ark.	1.9	6.1	6.0	57	167	161	78.9	21.1	25.9	73.7	92.2	7.0	(NA)	(NA)	(NA)	(NA)	
Calif.	142.1	167.3	199.1	446	494	494	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Colo.	9.7	16.5	17.6	241	349	354	67.9	7.6	22.6	71.8	61.9	15.7	66.2	15.6	10.1	6.1	
Conn.	10.6	14.2	14.8	301	367	436	(NA)	(NA)	(NA)	(NA)	93.9	2.9	(NA)	(NA)	(NA)	(NA)	
Del.	(NA)	3.6	3.7	(NA)	407	422	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
D.C.	22.7	26.7	27.2	(²)	(²)	(²)	35.9	63.4	24.4	73.5	91.9	6.4	(NA)	(NA)	(NA)	(NA)	
Fla.	(NA)	56.2	61.7	(NA)	464	466	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Ga.	23.7	36.6	39.3	297	416	361	64.4	34.6	23.9	74.5	88.6	11.3	59.8	19.5	13.3	7.5	
Hawaii	4.5	6.1	6.5	290	349	357	32.7	54.4	27.9	68.4	91.3	6.6	34.4	11.4	9.1	5.3	
Idaho	(NA)	2.4	2.6	(NA)	122	127	95.3	2.9	25.1	72.2	92.7	4.4	62.3	15.9	12.4	6.5	
Ill.	58.7	68.2	67.5	347	370	355	66.5	28.9	25.5	72.1	93.6	6.1	53.4	18.7	14.5	11.3	
Ind.	7.9	14.7	16.5	95	166	167	79.9	18.2	21.0	76.5	95.1	.8	56.7	18.6	13.2	7.8	
Iowa	(NA)	6.2	6.9	(NA)	134	143	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Kans.	9.2	12.3	11.6	272	316	280	85.1	13.4	22.7	76.5	91.5	15.5	64.7	16.4	11.7	6.6	
Ky.	(NA)	11.3	7.5	(NA)	193	123	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
La.	4.2	13.5	16.5	82	170	201	37.3	39.4	26.6	62.6	90.9	6.5	(NA)	(NA)	(NA)	(NA)	
Maine	(NA)	4.0	4.0	(NA)	242	244	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Md.	18.9	25.5	27.8	358	436	464	58.5	36.1	24.9	74.1	92.7	7.2	61.2	20.6	11.7	5.8	
Mass.	(NA)	44.0	(NA)	(NA)	623	(NA)	(NA)	(NA)	(NA)	(NA)	92.6	7.4	(NA)	(NA)	(NA)	(NA)	
Mich.	(NA)	54.1	45.5	(NA)	374	313	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Minn.	10.6	16.7	19.0	187	266	279	64.4	5.5	16.6	79.9	85.1	14.6	73.2	12.7	6.8	5.3	
Miss.	.3	4.4	(NA)	7	96	(NA)	62.7	37.1	24.6	74.9	92.6	5.3	55.7	20.1	14.9	9.2	
Mo.	10.2	17.3	19.0	150	226	242	70.5	29.0	24.1	74.9	91.3	7.7	51.2	20.0	14.4	9.2	
Mont.	1.5	3.4	3.5	130	245	244	82.9	5.1	20.0	68.2	91.7	8.2	67.1	15.0	11.1	6.7	
Nebr.	3.4	4.6	5.1	144	178	222	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	68.3	13.6	10.5	7.5	
Nev.	1.8	6.4	7.3	204	515	536	89.2	10.8	26.4	72.9	99.1	.5	56.8	19.9	12.6	6.1	
N.H.	1.4	3.1	3.4	126	243	251	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
N.J.	(NA)	24.7	(NA)	(NA)	256	(NA)	64.4	35.0	26.1	71.5	90.8	6.4	55.1	18.3	15.2	9.6	
N. Mex.	(NA)	5.2	5.7	(NA)	203	213	66.4	11.6	23.4	76.4	85.4	10.8	54.0	19.8	12.0	7.7	
N.Y.	147.2	154.2	151.0	624	653	629	61.6	35.2	24.6	74.7	87.6	12.2	48.9	19.4	15.5	11.1	
N.C.	20.0	29.5	32.0	247	362	379	63.1	34.2	29.8	66.8	84.5	9.3	54.6	18.6	12.1	6.6	
N. Dak.	(NA)	2.8	2.6	(NA)	238	221	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Ohio	(NA)	41.8	42.2	(NA)	251	250	64.9	22.2	21.4	76.0	67.6	3.2	60.6	18.5	12.6	7.8	
Okl.	(NA)	10.7	11.3	(NA)	216	216	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Oreg.	10.6	14.5	15.7	319	346	365	93.1	4.8	24.4	74.9	88.7	11.0	64.6	17.5	11.0	5.7	
Pa.	43.3	64.1	65.6	291	406	415	(NA)	(NA)	(NA)	(NA)	94.7	5.1	(NA)	(NA)	(NA)	(NA)	
R.I.	3.3	5.4	6.6	303	454	546	65.5	6.5	72.2	92.9	7.1	62.9	17.1	11.4	7.6	7.6	
S.C.	4.5	11.0	12.3	97	217	236	58.8	40.2	24.6	75.3	93.3	6.6	57.9	19.7	12.4	9.6	
S. Dak.	1.5	1.4	1.3	131	107	99	66.0	13.8	20.2	78.2	77.9	21.6	60.1	17.2	10.2	6.0	
Tenn.	11.1	23.4	23.3	178	342	337	74.0	25.6	29.6	72.6	94.5	5.3	58.3	20.7	12.8	7.9	
Tex.	(NA)	77.0	84.5	(NA)	303	309	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Utah	2.1	3.7	3.8	68	90	81	90.4	6.8	25.4	73.1	93.0	7.0	56.9	17.4	13.3	10.0	
Vt.	2.1	2.6	3.2	313	389	415	98.1	7	19.6	78.6	96.9	3.1	74.6	11.2	6.4	5.3	
Va.	16.0	31.4	32.0	257	406	406	66.3	30.7	20.6	77.9	86.6	9.6	61.7	18.6	11.6	7.1	
Wash.	21.0	29.7	(NA)	412	462	(NA)	(NA)	(NA)	21.9	73.5	95.7	4.2	(NA)	(NA)	(NA)	(NA)	
W. Va.	(NA)	3.0	3.1	(NA)	99	102	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Wis.	(NA)	20.0	21.8	(NA)	273	291	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Wyo.	(NA)	.8	.8	(NA)	77	76	(NA)	(NA)	(NA)	(NA)	66.1	3.4	66.5	12.4	10.9	6.5	

NA=Not available. ¹"Unknown" categories not shown separately. ²For Idaho and Ohio, data represent number of living children. ³More than 1,000.

Source: U.S. Centers for Disease Control, Atlanta, Ga., Abortion Surveillance Report—Legal Abortions, annual, 1979 and 1980, unpublished data.

NO. 104. LEGAL ABORTIONS—NUMBER, RATE PER 1,000 WOMEN 15-44 YEARS OLD, AND ABORTION/LIVE BIRTHS RATIO, BY STATE OF OCCURRENCE: 1973 TO 1980

[Numbers of legal abortions are from five surveys of hospitals, clinics, and physicians identified as providers of abortion services, conducted by the Alan Guttmacher Institute. Abortion rates are computed per 1,000 women 15-44 years of age on July 1 of specified year; abortion ratios are computed as the number of abortions per 1,000 live births from July 1, 1973 to June 30, 1974, from July 1, 1975 to June 30, 1976, from July 1, 1977 to June 30, 1978, from July 1, 1979 to June 30, 1980, and from July 1, 1980 to June 30, 1981, respectively, by State of occurrence]

STATE	NUMBER OF ABORTIONS (1,000)				RATE PER 1,000 WOMEN ¹				RATIO: ABORTIONS PER 1,000 LIVE BIRTHS			
	1973	1975	1977	1980	1973	1975	1977	1980	1973	1975	1977	1980
United States	744.6	1,034.2	1,407.7	1,865.9	16.3	22.2	28.9	29.3	220	331	422	499
New England	23.1	54.1	81.4	83.8	9.0	20.4	28.8	28.8	162	372	511	530
Maine	.7	2.0	4.7	4.8	3.3	8.8	18.9	18.0	47	138	296	269
New Hampshire	.6	1.8	4.2	4.7	3.3	9.9	19.7	21.1	52	178	320	347
Vermont	1.5	2.2	3.4	3.8	14.8	21.0	28.0	30.4	233	350	488	488
Massachusetts	12.4	33.3	45.1	45.8	10.1	26.4	33.6	33.5	173	488	615	609
Rhode Island	1.1	3.3	5.6	8.8	5.8	16.5	26.5	30.7	86	296	453	529
Connecticut	8.8	11.4	18.4	16.4	10.4	17.1	25.8	25.6	188	328	495	561
Middle Atlantic	293.9	250.6	290.3	311.8	32.0	31.2	35.8	37.0	631	532	622	637
New York	212.7	170.7	183.2	187.5	54.5	43.3	45.1	45.8	904	727	787	780
New Jersey	10.2	32.4	51.2	65.5	8.7	20.8	30.7	32.8	113	369	586	591
Pennsylvania	29.9	47.4	64.9	68.9	12.2	18.9	24.8	26.1	200	320	412	423
East North Central	87.4	186.6	227.5	242.8	11.1	18.4	24.7	24.9	181	380	388	388
Ohio	17.3	44.6	64.4	67.1	7.4	18.8	25.9	26.8	109	290	361	367
Indiana	1.8	7.7	18.9	19.6	1.5	6.5	15.0	15.3	21	94	211	227
Illinois	32.8	80.3	70.9	69.1	13.6	24.4	26.9	25.9	189	363	361	374
Michigan	37.5	42.7	63.0	66.2	19.1	21.1	29.7	29.7	272	438	438	457
Wisconsin	8.2	11.3	20.2	21.8	8.8	11.5	19.0	20.1	129	178	271	292
West North Central	29.6	51.4	68.7	75.2	8.8	14.4	18.1	19.2	126	308	243	243
Minnesota	7.3	12.8	19.1	19.9	8.5	14.8	20.2	20.7	137	229	284	288
Iowa	2.3	6.2	9.3	9.2	4.0	10.4	14.5	14.3	59	150	192	196
Missouri	3.4	11.0	17.7	21.8	3.5	10.7	16.1	19.4	49	156	221	273
North Dakota	—	.9	2.6	3.1	—	8.7	19.6	21.5	—	90	219	235
South Dakota	1.8	1.6	1.4	1.4	12.2	11.2	9.7	9.0	153	138	112	103
Nebraska	2.3	4.6	5.7	6.4	7.2	14.2	16.2	17.9	99	193	207	227
Kansas	12.6	14.3	13.7	13.8	26.5	29.2	25.8	25.8	413	440	358	343
South Atlantic	114.4	172.4	247.3	264.5	16.0	22.8	29.3	29.4	223	382	488	482
Delaware	2.1	2.4	3.6	3.7	18.3	17.6	25.7	25.9	255	280	389	396
Maryland	11.1	21.8	28.0	30.5	12.2	23.1	27.3	29.2	241	485	545	571
District of Columbia	44.6	31.4	28.7	28.5	251.4	180.1	168.0	168.3	2,355	1,819	1,525	1,589
Virginia	6.4	20.3	31.4	31.8	7.6	17.5	24.4	24.2	124	303	419	417
West Virginia	(2)	1	3.1	3.0	1	3	7.3	6.9	2	4	119	104
North Carolina	12.3	20.0	30.4	31.9	10.2	16.0	22.2	22.8	146	252	356	377
South Carolina	2.2	6.2	13.2	13.7	3.5	9.5	18.0	18.2	47	137	266	274
Georgia	11.0	23.8	38.8	37.9	10.0	20.4	28.8	28.4	129	284	416	396
Florida	22.9	48.5	70.2	73.6	14.7	27.4	35.5	35.5	214	449	556	547
East South Central	12.7	32.5	60.8	65.3	4.4	10.7	18.9	19.2	66	146	260	271
Kentucky	2.6	8.5	12.9	12.8	3.8	11.4	15.5	15.1	48	148	206	215
Tennessee	5.3	17.6	25.4	25.6	5.8	18.3	24.0	23.6	79	269	348	352
Alabama	4.8	6.0	17.8	20.8	6.0	7.4	19.9	23.1	78	105	286	331
Mississippi	1	.3	5.1	6.1	.2	1.0	9.0	10.6	8	7	107	132
West South Central	19.1	65.9	127.1	137.2	4.2	13.7	22.9	24.6	63	179	386	386
Arkansas	1.1	2.6	6.1	6.2	2.7	5.9	12.4	12.3	35	78	188	173
Louisiana	—	6.3	16.0	17.7	—	8.0	16.4	17.6	—	78	196	218
Oklahoma	.8	6.8	10.8	11.3	1.0	11.2	16.1	16.4	15	183	222	221
Texas	17.3	51.2	94.1	102.0	6.4	17.7	26.5	30.0	79	226	356	367
Mountain	17.1	33.6	63.6	66.2	8.9	16.8	34.1	25.0	103	188	386	302
Montana	.5	1.5	3.6	3.7	3.0	9.3	19.9	20.1	39	124	254	265
Idaho	.4	1.1	2.0	2.7	2.3	6.0	9.8	12.7	26	67	105	141
Wyoming	.2	.5	1.0	1.1	2.2	5.9	9.4	9.5	30	79	110	107
Colorado	7.6	13.6	22.4	23.1	19.5	22.3	31.4	31.4	195	336	458	447
New Mexico	4.7	5.1	8.0	8.4	18.9	19.2	26.6	27.0	227	249	308	358
Arizona	2.6	6.7	14.5	15.8	6.1	13.4	23.9	25.0	78	170	299	310
Utah	1	2.0	3.8	4.2	.4	7.0	11.5	12.3	4	60	86	97
Nevada	1.0	3.0	8.2	9.2	7.1	19.9	43.7	46.6	108	322	622	697
Pacific	178.5	307.2	310.8	214.8	29.6	31.2	41.6	41.0	448	480	581	581
Washington	17.3	20.9	35.6	37.0	21.8	24.7	37.0	37.5	373	435	562	522
Oregon	11.4	13.2	17.7	17.7	23.3	25.1	29.2	28.3	256	361	402	395
California	143.9	166.6	248.1	250.4	30.6	33.2	44.4	43.7	485	523	644	586
Alaska	1.2	1.6	1.9	1.9	14.8	18.9	18.6	17.9	174	202	211	196
Hawaii	4.7	5.9	7.8	8.0	24.9	33.7	34.4	34.4	303	363	420	441

— Represents zero. ² Fewer than 50 legal abortions reported by providers. ³ Based on population estimates recalculated by source using 1970 and 1980 census counts.

Source: Alan Guttmacher Institute, New York, N.Y. 1973 and 1975, derived from Sullivan, E., C. Tietze, and J. Dryfoos, "Legal Abortion in the United States, 1975-1976," *Family Planning Perspectives*, vol. 9, No. 3, 1977; 1979 and 1980, Hershaw, B.K., et al., "Abortion in the United States, 1979-1980," *Family Planning Perspectives*, vol. 14, No. 1, 1982.

No. 105. EXPECTATION OF LIFE AT BIRTH: 1920 TO 1979

[In years. Prior to 1960, excludes Alaska and Hawaii. Data prior to 1940 for death-registration States only; see text, p. 57. Beginning 1970, excludes deaths of nonresidents of the United States. See also *Historical Statistics, Colonial Times to 1970*, series B 107-115]

YEAR	TOTAL			WHITE			BLACK AND OTHER		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
1920.....	54.1	53.6	54.6	54.9	54.4	55.6	45.3	45.5	45.2
1930.....	59.7	56.1	61.6	61.4	59.7	63.5	48.1	47.3	49.2
1940.....	62.9	60.8	65.2	64.2	62.1	66.6	53.1	51.5	54.9
1950.....	66.2	65.6	71.1	69.1	66.5	72.2	60.8	59.1	62.9
1955.....	69.6	66.7	72.8	70.5	67.4	73.7	63.7	61.4	66.1
1960.....	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3
1965.....	70.2	66.8	73.7	71.0	67.6	74.7	64.1	61.1	67.4
1970.....	70.9	67.1	74.8	71.7	68.0	75.6	65.3	61.3	69.4
1971.....	71.1	67.4	75.0	72.0	68.3	75.8	65.6	61.6	69.7
1972.....	71.1	67.4	75.1	72.0	68.3	75.9	65.8	61.5	69.9
1973.....	71.3	67.6	75.3	72.2	68.4	76.1	65.9	61.9	70.1
1974.....	71.9	68.1	75.8	72.7	68.9	76.6	67.0	62.9	71.3
1975.....	72.5	68.7	76.5	73.2	69.4	77.2	67.9	63.6	72.3
1976.....	72.8	69.0	76.7	73.5	69.7	77.3	68.3	64.1	72.6
1977.....	73.2	69.3	77.1	73.8	70.0	77.7	68.8	64.6	73.1
1978.....	73.3	69.5	77.2	74.0	70.2	77.8	69.2	65.0	73.6
1979.....	73.7	69.9	77.8	74.4	70.6	78.2	69.8	65.5	74.2

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

No. 106. SELECTED LIFE TABLE VALUES: 1939 TO 1979

[Prior to 1960, excludes Alaska and Hawaii. Beginning 1970, excludes deaths of nonresidents of the United States. See *Historical Statistics, Colonial Times to 1970*, series B 116-125]

AGE AND SEX	WHITE						BLACK AND OTHER						Black, 1979
	1939- 1941	1949- 1951	1959- 1961	1969- 1971	1975	1976	1939- 1941	1949- 1951	1959- 1961	1969- 1971	1975	1979	
AVERAGE EXPECTATION OF LIFE IN YEARS													
At birth: Male.....	62.8	66.3	67.6	67.9	69.4	70.6	52.3	58.9	61.5	61.0	63.6	65.5	64.0
Female.....	67.3	72.0	74.2	75.5	77.2	78.2	55.5	62.7	66.5	69.1	72.3	74.2	72.7
Age 20: Male.....	47.8	49.5	50.3	50.2	51.4	52.3	39.7	43.7	45.8	44.4	46.3	47.8	46.4
Female.....	51.4	54.6	56.3	57.2	58.6	59.5	42.1	46.8	50.1	51.9	54.7	56.2	54.8
Age 40: Male.....	30.0	31.2	31.7	31.9	33.0	33.9	25.2	27.3	28.7	28.3	29.8	30.9	29.6
Female.....	33.3	35.6	37.1	38.1	39.4	40.2	27.3	29.8	32.2	33.9	36.2	37.6	36.2
Age 50: Male.....	22.0	22.8	23.2	23.3	24.3	25.1	19.2	20.3	21.3	21.2	22.4	23.2	22.1
Female.....	24.7	26.8	28.1	29.1	30.3	31.0	21.0	22.7	24.3	26.0	27.9	29.0	27.8
Age 65: Male.....	12.1	12.8	13.0	13.0	13.7	14.2	12.2	12.8	12.8	12.9	13.7	14.4	13.3
Female.....	13.6	15.0	15.9	16.9	18.1	18.7	14.0	14.5	15.1	16.0	17.5	18.4	17.2
ANNUAL DEATHS EXPECTED PER 1,000 ALIVE AT SPECIFIED AGE													
At birth: Male.....	48.1	30.7	25.9	20.1	15.9	12.9	83.0	50.9	47.0	34.1	26.3	21.7	23.8
Female.....	37.9	23.6	19.6	15.3	12.3	10.0	66.8	40.9	38.3	27.7	22.2	18.2	20.0
Age 20: Male.....	2.1	1.6	1.6	1.9	1.8	1.8	(NA)	3.1	2.4	3.6	2.8	2.1	2.2
Female.....	1.5	.7	.6	.6	.6	.6	(NA)	2.3	1.2	1.2	.9	.8	.8
Age 40: Male.....	5.1	3.9	3.3	3.4	2.9	2.4	13.6	8.8	7.5	9.0	7.4	5.9	6.3
Female.....	3.7	2.4	1.9	1.9	1.7	1.4	11.8	7.7	5.6	5.1	3.7	2.8	3.0
Age 50: Male.....	11.6	10.1	9.6	8.9	8.0	6.5	25.4	19.1	15.7	16.8	14.5	10.6	11.4
Female.....	7.6	5.6	4.7	4.7	4.2	3.6	21.9	16.0	11.7	10.1	7.9	6.5	7.1
Age 65: Male.....	36.9	34.5	33.9	33.9	30.3	20.0	(NA)	45.8	43.7	41.7	35.5	19.3	19.3
Female.....	26.4	20.6	17.4	15.6	13.9	11.4	(NA)	37.0	30.7	27.4	19.8	14.2	14.3
NUMBER SURVIVING TO SPECIFIED AGE PER 1,000 BORN LIVE													
Age 20: Male.....	923	951	959	964	970	973	888	919	931	943	956	963	961
Female.....	940	965	971	976	980	983	885	935	947	959	966	973	971
Age 40: Male.....	889	912	924	925	934	938	726	828	857	844	870	889	881
Female.....	898	941	953	957	964	969	759	861	897	912	933	943	939
Age 50: Male.....	805	856	874	877	890	899	609	729	772	747	767	813	799
Female.....	853	907	925	929	939	948	649	770	830	850	863	902	893
Age 65: Male.....	583	635	658	652	694	718	359	452	514	496	543	575	550
Female.....	667	768	807	809	832	845	407	524	608	661	715	743	725

NA Not available.

Source: U.S. National Center for Health Statistics, *U.S. Life Tables and Actuarial Tables, 1939-41; 1949-51; 1959-61*; and *Vital Statistics of the United States*, annual; and unpublished data.

No. 107. EXPECTATION OF LIFE AND EXPECTED DEATHS, BY RACE, AGE, AND SEX: 1979

AGE IN 1978 (years)	EXPECTATION OF LIFE IN YEARS					EXPECTED DEATHS PER 1,000 ALIVE AT SPECIFIED AGE				
	Total	White		Black		Total	White		Black	
		Male	Female	Male	Female		Male	Female	Male	Female
At birth	73.7	70.6	78.2	64.0	72.7	13.15	12.90	10.00	23.84	19.98
1	73.7	70.5	78.0	64.6	73.1	.86	.93	.69	1.29	1.15
2	72.8	69.6	77.1	63.6	72.2	.86	.68	.54	1.08	.95
3	71.8	68.6	76.1	62.7	71.3	.55	.53	.44	.91	.77
4	70.9	67.6	75.2	61.8	70.4	.45	.45	.36	.77	.62
5	69.9	66.7	74.2	60.8	69.4	.39	.41	.30	.66	.49
6	68.9	65.7	73.2	59.9	68.4	.35	.38	.27	.57	.40
7	68.0	64.7	72.2	58.9	67.5	.32	.36	.24	.50	.32
8	67.0	63.8	71.2	57.9	66.5	.28	.32	.21	.43	.27
9	66.0	62.8	70.3	56.9	65.5	.24	.27	.19	.38	.24
10	65.0	61.8	69.3	56.0	64.5	.21	.22	.18	.35	.23
11	64.0	60.8	68.3	55.0	63.5	.21	.22	.18	.35	.23
12	63.0	59.8	67.3	54.0	62.6	.26	.29	.20	.40	.25
13	62.1	58.8	66.3	53.0	61.6	.38	.48	.26	.51	.29
14	61.1	57.9	65.3	52.1	60.6	.54	.75	.33	.68	.33
15	60.1	56.9	64.3	51.1	59.6	.72	1.04	.42	.86	.38
16	59.2	56.0	63.4	50.1	58.6	.90	1.31	.50	1.06	.44
17	58.2	55.0	62.4	49.2	57.7	1.04	1.53	.56	1.30	.52
18	57.3	54.1	61.4	48.3	56.7	1.13	1.68	.58	1.57	.59
19	56.3	53.2	60.5	47.3	55.7	1.19	1.76	.59	1.66	.66
20	55.4	52.3	59.5	46.4	54.8	1.24	1.63	.58	2.16	.77
21	54.5	51.4	58.5	45.5	53.8	1.30	1.69	.56	2.47	.86
22	53.6	50.5	57.6	44.7	52.9	1.33	1.93	.56	2.74	.94
23	52.6	49.6	56.6	43.8	51.9	1.35	1.91	.58	2.99	1.01
24	51.7	48.7	55.6	42.9	51.0	1.34	1.86	.58	3.20	1.08
25	50.8	47.8	54.7	42.1	50.0	1.33	1.80	.58	3.41	1.14
26	49.8	46.9	53.7	41.2	49.1	1.32	1.74	.59	3.62	1.22
27	48.9	46.0	52.7	40.4	48.1	1.30	1.68	.59	3.79	1.29
28	48.0	45.1	51.8	39.5	47.2	1.30	1.64	.60	3.90	1.35
29	47.0	44.1	50.8	38.7	46.3	1.29	1.60	.62	3.98	1.41
30	46.1	43.2	49.8	37.9	45.3	1.29	1.58	.64	4.05	1.48
31	45.2	42.3	48.9	37.0	44.4	1.30	1.56	.67	4.14	1.56
32	44.2	41.3	47.9	36.2	43.5	1.33	1.57	.70	4.24	1.66
33	43.3	40.4	46.9	35.3	42.5	1.38	1.59	.75	4.38	1.78
34	42.3	39.5	46.0	34.5	41.6	1.44	1.65	.81	4.54	1.93
35	41.4	38.5	45.0	33.7	40.7	1.53	1.72	.87	4.72	2.11
36	40.5	37.6	44.1	32.9	39.8	1.62	1.82	.95	4.91	2.29
37	39.5	36.7	43.1	32.0	38.9	1.74	1.94	1.04	5.17	2.46
38	38.6	35.8	42.1	31.2	38.0	1.86	2.07	1.14	5.50	2.65
39	37.7	34.8	41.2	30.4	37.1	2.03	2.24	1.26	5.89	2.83
40	36.8	33.9	40.2	29.6	36.2	2.21	2.43	1.38	6.34	3.03
41	35.8	33.0	39.3	28.8	35.3	2.42	2.65	1.53	6.80	3.25
42	34.9	32.1	38.4	28.0	34.4	2.64	2.92	1.68	7.21	3.52
43	34.0	31.2	37.4	27.3	33.6	2.89	3.22	1.85	7.56	3.85
44	33.1	30.3	36.5	26.5	32.7	3.17	3.58	2.04	7.88	4.22
45	32.2	29.4	35.6	25.8	31.9	3.46	3.96	2.23	8.19	4.62
46	31.4	28.5	34.7	25.0	31.0	3.78	4.38	2.45	8.57	5.04
47	30.5	27.7	33.7	24.3	30.2	4.15	4.83	2.70	9.08	5.50
48	29.6	26.8	32.8	23.5	29.4	4.55	5.34	2.97	9.75	5.99
49	28.8	26.0	31.9	22.8	28.6	4.99	5.88	3.27	10.55	6.53
50	27.9	25.1	31.0	22.1	27.8	5.47	6.48	3.60	11.40	7.10
51	27.1	24.3	30.2	21.4	27.0	5.98	7.11	3.95	12.24	7.68
52	26.3	23.5	29.3	20.7	26.2	6.48	7.74	4.30	13.05	8.23
53	25.5	22.7	28.4	20.1	25.5	6.99	8.37	4.65	13.82	8.71
54	24.7	21.9	27.6	19.4	24.7	7.49	9.01	5.02	14.56	9.17
55	23.9	21.2	26.7	18.8	24.0	8.00	9.66	5.39	15.24	9.57
56	23.1	20.4	25.9	18.2	23.2	8.55	10.36	5.80	15.92	10.00
57	22.3	19.8	25.0	17.6	22.5	9.23	11.22	6.30	16.66	10.60
58	21.5	18.9	24.2	17.0	21.8	10.04	12.27	6.86	17.49	11.43
59	20.8	18.2	23.4	16.5	21.1	10.96	13.45	7.55	18.34	12.38
60	20.0	17.5	22.8	15.9	20.4	11.96	14.70	8.27	19.26	13.51
61	19.3	16.8	21.8	15.4	19.8	12.93	15.93	9.01	20.11	14.55
62	18.6	16.1	21.0	14.9	19.1	13.82	17.08	9.70	20.54	15.16
63	17.9	15.5	20.2	14.4	18.5	14.55	18.12	10.30	20.43	15.16
64	17.3	14.8	19.5	13.9	17.9	15.19	19.06	10.85	19.97	14.79
65	16.6	14.2	18.7	13.3	17.2	15.81	19.97	11.44	19.32	14.26
70	13.4	11.3	15.0	10.7	13.9	20.36	25.05	15.82	21.78	19.24
75	10.6	8.8	11.7	8.6	11.5	27.04	30.03	24.07	27.11	31.97
80	8.4	6.9	9.0	7.8	10.7	30.71	30.56	32.13	23.64	31.41
85 and over	6.7	5.5	7.0	6.8	9.2	269.17	177.73	376.75	115.63	252.57

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

NO. 106. DEATHS AND DEATH RATES, BY SEX AND RACE: 1950 TO 1981

[Rates are per 1,000 population for specified groups. 1950 excludes Alaska and Hawaii. Beginning 1970, excludes deaths of nonresidents of the U.S. Excludes fetal deaths. See Appendix II. For explanation of age-adjustment, see headnote, table 113. See also *Historical Statistics, Colonial Times to 1970*, series B 167-173 and B 181-192.]

RACE AND SEX		1950	1965	1970	1975	1977	1978	1979	1980, ¹ prel.	1981, ² prel.	1981, ³ prel.
Deaths (1,000).....	1,482	1,712	1,828	1,921	1,993	1,900	1,828	1,814	1,866	1,888	1,887
Male (1,000).....	828	978	1,035	1,078	1,051	1,046	1,055	1,045	1,078	1,078	1,071
Female (1,000).....	655	736	793	843	842	853	872	869	808	808	816
White (1,000).....	1,276	1,505	1,605	1,682	1,680	1,684	1,680	1,678	1,735	1,735	1,740
Male (1,000).....	731	881	911	942	918	913	920	910	938	938	933
Female (1,000).....	545	624	695	740	763	771	760	768	797	797	807
Black (1,000).....	170	196	211	228	218	220	221	221	(NA)	(NA)	(NA)
Male (1,000).....	92	108	117	126	124	124	125	124	(NA)	(NA)	(NA)
Female (1,000).....	78	88	94	99	94	96	97	96	(NA)	(NA)	(NA)
Death rates.....	8.8	9.5	9.4	9.5	9.9	9.8	9.6	9.7	9.9	9.7	9.7
Male.....	11.1	11.0	10.9	10.9	10.1	9.9	9.9	9.8	10.0	9.8	9.8
Female.....	6.2	8.1	8.0	8.1	7.7	7.7	7.8	7.7	7.9	7.8	7.8
White.....	9.5	9.5	9.4	9.5	9.0	8.9	9.0	8.8	9.1	8.9	8.9
Male.....	10.9	11.0	10.9	10.9	10.2	10.0	10.0	9.8	10.0	9.8	9.7
Female.....	8.0	8.0	8.0	8.1	7.8	7.8	8.0	7.9	8.1	8.0	8.0
Black.....	11.3	10.4	10.1	10.0	9.9	9.8	9.7	9.5	(NA)	(NA)	(NA)
Male.....	12.6	11.8	11.8	11.9	10.8	10.4	10.3	10.1	(NA)	(NA)	(NA)
Female.....	10.0	9.1	8.8	8.3	7.4	7.3	7.2	7.1	(NA)	(NA)	(NA)
Age-adjusted death rates.....	8.4	7.8	7.4	7.1	6.4	6.1	6.1	5.9	5.9	5.8	5.7
Male.....	10.0	9.5	9.5	9.3	8.5	8.1	8.0	7.8	7.9	7.8	7.6
Female.....	6.9	5.9	5.6	5.3	4.7	4.5	4.5	4.3	4.4	4.3	4.2
White.....	8.0	7.3	7.0	6.8	6.1	5.9	5.8	5.6	5.7	5.6	5.5
Male.....	9.6	9.2	9.1	8.9	8.1	7.8	7.7	7.5	7.6	7.5	7.3
Female.....	6.5	5.6	5.3	5.0	4.5	4.3	4.3	4.1	4.2	4.1	4.0
Black.....	⁴ 12.3	10.7	10.5	10.4	9.1	8.7	8.6	8.4	(NA)	(NA)	(NA)
Male.....	⁴ 13.6	12.5	12.7	13.2	11.7	11.3	11.1	10.9	(NA)	(NA)	(NA)
Female.....	⁴ 11.0	9.2	8.6	8.1	6.9	6.6	6.5	6.4	(NA)	(NA)	(NA)

NA Not available.

¹See footnote 6, table 84.²See footnote 7, table 84.³Black and other races.

NO. 106. DEATH RATES, BY AGE, SEX AND RACE: 1950 TO 1981

[Number of deaths per 100,000 population in specified group. See headnote, table 108.]

SEX, YEAR, AND RACE	All ages ¹	Under 1 yr old	1-4 yr old	5-14 yr old	15-24 yr old	25-34 yr old	35-44 yr old	45-54 yr old	55-64 yr old	65-74 yr old	75-84 yr old	85 and over
MALE												
1950.....	1,108	3,728	152	71	188	217	429	1,067	2,386	4,931	10,426	21,636
1960.....	1,105	3,059	120	58	152	188	373	992	2,310	4,914	10,178	21,186
1970.....	1,090	2,410	83	51	189	215	403	959	2,293	4,874	10,010	17,822
1975.....	1,013	1,829	78	44	177	203	347	858	2,035	4,415	9,519	17,573
1979.....	977	1,548	73	39	176	198	303	774	1,839	4,053	9,127	18,529
1980, prel. ²	987	1,455	74	37	180	206	302	779	1,845	4,085	9,405	18,902
1980, prel. ³	977	1,410	72	36	174	198	299	784	1,822	4,083	8,809	18,394
1981, prel. ³	982	1,346	68	39	159	198	302	781	1,784	4,013	8,526	18,238
White: 1970.....	1,067	2,113	84	48	171	177	344	883	2,203	4,810	10,098	18,552
1979.....	982	1,330	68	38	171	172	258	710	1,754	4,008	9,149	17,381
1980, prel. ²	1,002	1,254	68	35	174	178	261	716	1,747	4,018	9,363	17,822
1980, prel. ³	983	1,222	68	34	169	173	260	719	1,727	4,005	8,790	18,728
1981, prel. ³	973	1,194	62	38	165	174	263	700	1,696	3,951	8,590	18,520
Black: 1970.....	1,187	4,299	160	87	321	580	957	1,778	3,257	5,803	9,455	12,222
1979.....	1,012	2,830	107	60	204	428	689	1,400	2,818	4,892	10,393	10,748
FEMALE												
1950.....	824	2,855	127	49	89	143	290	842	1,405	3,333	8,400	19,186
1960.....	809	2,321	98	37	61	107	229	527	1,196	2,872	7,633	19,008
1970.....	808	1,864	75	32	68	102	221	517	1,099	2,580	6,678	15,518
1975.....	770	1,444	64	27	81	85	191	458	1,013	2,247	6,030	14,031
1979.....	788	1,230	58	25	69	77	161	415	948	2,087	5,714	13,010
1980, prel. ²	794	1,169	57	26	57	78	154	413	965	2,123	5,840	13,427
1980, prel. ³	777	1,121	56	26	56	75	155	412	932	2,107	5,346	14,462
1981, prel. ³	777	1,029	52	22	56	77	156	408	942	2,115	5,186	14,089
White: 1970.....	813	1,615	68	30	62	84	193	483	1,015	2,471	6,899	15,980
1979.....	787	1,029	52	24	56	67	140	378	898	2,014	5,646	13,585
1980, prel. ²	814	971	51	26	55	68	135	372	898	2,042	5,755	14,044
1980, prel. ³	799	947	49	25	54	66	136	371	870	2,027	5,324	14,716
1981, prel. ³	801	925	49	21	53	66	137	375	864	2,047	5,175	14,272
Black: 1970.....	829	3,368	129	44	112	231	533	1,044	1,986	3,881	6,892	10,707
1979.....	710	2,375	92	31	74	152	318	788	1,580	2,859	7,377	8,159

¹Includes unknown age.²See footnote 6, table 84.³See footnote 7, table 84.

Source of tables 106 and 109: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.

NO. 119. DEATHS AND DEATH RATES, BY STATE: 1960 TO 1979

(By place of residence. Beginning 1970, excludes deaths of nonresidents of the U.S. See Appendix B)

DIVISION AND STATE	NUMBER OF DEATHS (1,000)								RATE ²					
	1960	1965	1970	1975	1978	1979			1960	1965	1970	1975	1978	1979
						Total ¹	White	Black						
U.S.	1,712	1,636	1,621	1,603	1,529	1,514	1,576	221	9.5	9.4	9.3	9.2	9.0	8.7
N.E.	112	117	116	112	110	109	106	3	10.6	10.5	10.4	10.1	9.9	9.9
Maine	11	11	11	10	10	10	10	(2)	11.1	11.1	11.1	10.7	9.3	9.4
N.H.	7	7	7	7	7	7	7	(2)	11.0	11.0	11.0	10.0	8.5	8.4
Vt.	4	5	4	4	4	4	4	(2)	11.4	11.5	10.0	9.1	9.1	8.8
Mass.	57	58	57	54	53	52	51	1	11.0	11.0	10.1	9.3	9.1	9.0
R.I.	9	10	9	9	9	9	9	(2)	10.5	10.9	10.0	9.6	8.5	9.8
Conn.	24	26	26	26	26	26	25	1	9.4	9.1	8.6	8.3	8.4	8.4
N.A.	389	376	363	360	354	346	311	35	10.5	10.3	10.3	9.5	9.6	9.5
N.Y.	178	185	188	170	166	165	145	18	10.6	10.2	10.3	9.4	9.4	9.3
N.J.	99	95	96	85	86	86	59	7	9.8	9.6	9.5	9.0	9.0	9.0
Pa.	121	126	127	121	120	117	107	10	10.7	10.9	10.6	10.2	10.2	10.0
E.N.C.	346	368	377	361	362	367	339	36	8.6	9.7	9.4	8.8	8.8	8.9
Ohio	93	98	100	96	97	95	89	9	9.6	9.6	9.4	9.0	9.0	8.8
Ind.	45	46	46	47	46	47	43	3	9.7	9.8	9.3	8.6	8.8	8.7
Ill.	103	108	111	104	103	102	86	14	10.2	10.2	10.5	9.3	9.2	9.1
Mich.	66	74	76	75	75	74	61	9	8.7	9.0	8.6	8.1	8.2	8.0
Wis.	38	40	41	40	40	39	31	1	9.7	9.7	9.2	8.7	8.6	8.3
W.N.C.	186	161	164	166	169	164	146	7	10.1	9.7	9.7	9.5	9.3	9.6
Minn.	32	33	34	33	33	32	32	(2)	9.3	9.2	8.9	8.3	8.3	7.9
Iowa	29	29	29	28	27	27	27	(2)	10.4	10.7	10.4	9.9	9.4	9.3
Mo.	48	50	52	48	48	46	43	5	11.2	11.2	11.1	10.3	10.2	9.9
N. Dak.	5	6	6	5	5	5	5	(2)	8.8	8.5	9.1	8.7	8.4	8.2
S. Dak.	7	7	7	6	6	6	6	(2)	9.7	9.3	9.9	9.5	9.4	9.2
Nebr.	14	15	15	15	14	14	14	(2)	10.0	10.0	10.1	9.4	9.2	9.1
Kans.	21	22	22	22	22	21	20	1	9.7	9.7	9.7	9.6	9.2	8.9
S.A.	238	262	280	301	311	317	281	65	9.1	9.1	9.5	8.8	9.1	9.1
Del.	4	5	5	5	5	5	4	1	9.4	9.0	9.0	8.1	8.5	8.4
Md.	26	31	32	32	33	33	29	7	9.0	8.8	8.4	7.8	8.0	7.9
D.C.	9	9	9	7	7	7	2	5	11.5	11.3	11.7	10.4	10.5	10.5
Va.	34	37	38	40	41	41	32	9	8.7	8.3	8.4	8.0	7.9	7.9
W. Va.	18	19	20	20	20	19	18	1	9.7	10.8	11.5	10.8	10.6	10.1
N.C.	36	38	38	46	47	47	36	11	8.4	8.5	8.8	8.4	8.5	8.3
S.C.	21	22	23	23	24	24	16	9	8.7	8.5	8.8	8.3	8.3	8.3
Ga.	35	36	36	41	43	43	31	12	9.0	8.8	9.1	8.4	8.5	8.4
Fla.	48	59	75	87	96	99	87	11	9.7	10.2	11.0	10.4	11.0	11.1
E.S.C.	116	121	126	129	130	129	101	28	9.6	9.6	10.0	9.5	9.3	9.1
Ky.	30	31	33	33	33	32	30	3	9.9	9.8	10.3	9.8	9.6	9.2
Tenn.	33	35	36	36	36	39	32	7	9.2	9.1	9.7	9.2	8.9	8.9
Ala.	30	33	34	34	35	34	25	10	9.3	9.4	9.8	9.3	9.3	9.1
Miss.	22	23	23	23	23	23	14	9	10.0	9.8	10.5	9.7	9.7	9.5
W.S.C.	148	166	176	181	189	189	161	31	9.7	9.6	9.1	8.7	8.8	8.6
Ark.	18	19	21	22	22	22	18	4	10.0	9.8	10.7	10.3	10.1	9.9
La.	30	32	33	34	35	35	23	11	9.1	9.1	9.2	8.9	8.9	8.7
Okla.	23	24	27	27	27	27	25	2	9.8	9.6	10.5	10.0	9.8	9.8
Tex.	77	84	94	96	104	106	91	14	8.1	7.9	8.4	8.0	8.0	7.8
Mt.	55	60	66	71	76	76	72	2	8.1	7.9	8.9	7.9	7.2	7.1
Mont.	7	7	7	7	8	8	6	(2)	9.7	9.3	9.5	8.7	8.3	8.2
Idaho	5	6	6	7	7	6	6	(2)	8.1	8.6	8.6	7.9	7.4	7.1
Wyo.	3	3	3	3	3	3	3	(2)	8.5	8.9	8.8	8.2	7.3	6.6
Colo.	15	16	17	17	18	18	18	1	8.7	8.2	7.9	6.9	6.8	6.7
N. Mex.	7	7	7	8	8	8	8	(2)	6.9	6.6	7.3	7.0	7.0	7.0
Ariz.	10	12	15	17	19	20	18	1	7.8	7.5	8.4	7.8	8.1	8.1
Utah	6	7	7	8	8	8	8	(2)	6.8	6.7	6.7	6.2	6.0	5.8
Nev.	3	3	4	4	5	5	5	(2)	6.9	7.2	7.9	7.6	7.6	7.7
Pac.	184	204	221	227	234	236	219	19	6.7	6.9	6.9	6.8	7.8	7.7
Wash.	27	27	30	30	30	30	29	1	9.3	9.2	8.6	8.4	8.0	7.9
Oreg.	17	18	20	20	21	21	21	(2)	9.5	9.6	9.3	8.8	8.5	8.3
Calif.	136	153	161	171	178	177	161	13	6.8	6.2	6.3	6.1	7.9	7.8
Alaska	1	1	1	2	2	2	1	(2)	5.8	5.3	4.8	4.3	4.1	3.9
Hawaii	4	4	4	4	5	5	2	(2)	5.6	5.1	5.2	5.0	5.1	5.3

Z Fewer than 500. ¹ Includes races not shown separately. ² Rate per 1,000 population. Based on population (excluding Armed Forces abroad) enumerated as of Apr. 1 for 1960 and 1970, and estimated as of July 1 for other years.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual and unpublished data.

NO. 111. INFANT, MATERNAL, AND NEONATAL MORTALITY RATES, AND FETAL MORTALITY RATIOS, BY RACE: 1940 TO 1979

[Deaths per 1,000 live births, except as noted. Prior to 1960, excludes Alaska and Hawaii. Beginning 1970, excludes deaths of nonresidents of U.S. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series B 136-147]

ITEM	1940	1960	1960	1966	1970	1972 ¹	1973	1974	1975	1976	1977	1978	1979
Infant deaths ²	47.8	28.2	26.0	24.7	20.0	18.5	17.7	18.7	16.1	15.2	14.1	13.6	13.1
White	43.2	26.8	22.9	21.5	17.8	16.4	15.8	14.8	14.2	13.3	12.3	12.0	11.4
Black and other	73.6	44.5	43.2	40.3	30.9	27.7	26.2	24.9	24.2	23.5	21.7	21.1	19.8
Black	72.9	43.9	44.3	41.7	32.5	29.6	28.1	26.8	26.2	25.5	23.6	23.1	21.6
Maternal deaths ³	375.0	63.3	37.1	31.5	21.5	18.8	15.2	14.6	12.8	12.3	11.2	9.6	9.6
White	319.6	51.1	26.0	21.0	14.4	14.3	10.7	10.0	9.1	9.0	7.7	6.4	6.4
Black and other	773.5	221.8	87.9	63.7	55.9	38.5	34.6	35.1	26.0	26.5	26.0	23.0	22.7
Black	761.7	223.0	103.6	69.3	59.6	40.7	38.4	38.3	31.3	29.5	29.2	25.0	25.1
Fetal deaths ⁴	(NA)	19.2	16.1	15.2	14.2	12.7	12.2	11.5	10.7	10.5	9.9	9.7	9.4
White	(NA)	17.1	14.1	13.9	12.4	11.2	10.8	10.2	9.5	9.3	8.7	8.5	8.4
Black and other	(NA)	32.5	26.6	27.2	22.6	19.5	18.6	17.0	16.0	15.2	14.6	14.7	13.8
Neonatal deaths ⁵	38.6	20.5	18.7	17.7	15.1	13.6	13.0	12.3	11.5	10.9	9.9	9.5	8.9
White	27.2	19.4	17.2	16.1	13.8	12.4	11.8	11.1	10.4	9.7	8.7	8.4	7.9
Black and other	39.7	27.5	25.9	25.4	21.4	19.2	17.9	17.2	16.6	15.3	14.7	14.0	12.9
Black	39.9	27.8	27.6	26.5	22.6	20.7	19.3	18.7	18.3	17.9	16.1	15.5	14.3

NA Not available. ¹Based on a 50-percent sample of deaths.

²Represents deaths of infants under 1 year old, exclusive of fetal deaths.

³Per 100,000 live births from deliveries and complications of pregnancy, childbirth, and the puerperium. Deaths for 1979 classified according to the ninth revision of the *International Classification of Diseases*, for the earlier years classified according to the revision in use at the time; see text, p. 57.

⁴Beginning 1970, includes only those deaths with stated or presumed period of gestation of 20 weeks or more; for prior years, includes gestational age not stated. ⁵Represents deaths of infants under 28 days old, exclusive of fetal deaths.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.

NO. 112. INFANT MORTALITY RATES—STATES: 1960 TO 1979

[Deaths per 1,000 live births, by place of residence. Represents deaths of infants under 1 year old, exclusive of fetal deaths. Beginning 1970, excludes deaths of nonresidents of the United States. See Appendix III and *Historical Statistics, Colonial Times to 1970*, series B 143-147, for U.S. total by race]

DIVISION AND STATE	WHITE			BLACK			DIVISION AND STATE	WHITE			BLACK		
	1960	1970	1979	1960	1970	1979		1960	1970	1979	1960	1970	1979
U.S.	22.9	17.8	11.4	44.3	32.6	21.4	So. Atl.—Con.						
M. Eng.	21.7	18.8	10.6	37.2	33.9	19.6	Va.	24.6	17.0	12.5	45.6	34.1	21.3
Maine	25.7	21.0	9.7	15.7	38.5	-	W. Va.	24.8	22.8	13.4	38.1	30.1	23.7
N.H.	23.7	18.0	10.7	13.9	26.6	11.0	N.C.	22.3	16.3	11.2	53.9	36.7	24.2
Vt.	24.2	17.6	8.6	-	-	-	S.C.	23.9	18.2	12.4	48.6	31.3	24.2
Mass.	21.1	16.0	10.5	37.4	36.0	16.4	Ge.	24.6	17.2	11.7	48.3	33.2	21.4
R.I.	22.4	19.3	12.5	43.2	34.1	35.1	Fla.	23.6	17.6	12.4	46.2	33.7	22.4
Conn.	20.0	15.5	10.9	37.9	32.3	21.2	E. So. Cent.	25.6	18.7	11.3	46.6	35.6	21.4
Md. Atl.	22.0	17.3	11.7	42.3	32.7	21.5	Ky.	25.0	18.6	10.7	49.0	28.6	19.9
N.Y.	21.5	16.9	11.9	42.8	31.6	20.7	Tenn.	25.3	18.8	11.5	43.7	30.7	20.9
N.J.	21.9	16.9	10.5	42.5	33.0	22.5	Ala.	24.9	18.6	11.4	45.1	36.4	19.9
Pa.	22.6	18.2	12.0	41.2	35.2	22.5	Miss.	26.6	18.7	11.9	54.3	39.6	23.6
E. No. Cent.	22.1	17.8	11.8	39.8	32.6	23.7	W. So. Cent.	24.9	18.6	11.6	44.8	32.4	20.9
Ohio	22.2	17.2	11.8	39.8	29.7	20.6	Ark.	22.5	18.3	11.4	36.9	31.3	19.8
Ind.	22.6	18.5	12.0	38.3	28.6	22.2	La.	22.6	18.6	12.1	46.9	32.3	21.2
Ill.	22.2	18.3	12.1	39.9	34.8	26.8	Okla.	22.7	20.3	11.8	48.2	34.5	16.7
Mich.	22.1	18.6	11.5	40.7	31.0	23.0	Tex.	26.3	19.6	11.5	44.3	32.5	21.3
Wis.	21.2	16.0	10.3	37.2	32.1	16.6	MT.	25.7	18.1	11.3	42.5	30.2	20.0
W. No. Cent.	21.7	17.3	10.9	42.5	33.3	22.4	Mont.	24.2	21.2	10.6	39.5	20.8	-
Minn.	21.8	17.3	10.4	33.3	20.7	23.4	Idaho	22.7	17.9	10.0	19.2	-	12.5
Iowa	21.7	18.3	10.3	36.8	36.9	22.3	Wyo.	27.5	19.6	13.2	52.6	76.9	27.8
Mo.	21.4	17.0	12.1	45.6	34.5	23.2	Colo.	26.9	19.7	10.5	42.6	24.5	16.9
N. Dak.	24.1	14.3	11.1	43.5	-	-	N. Mex.	30.9	19.5	12.9	39.4	42.3	16.9
S. Dak.	24.2	16.7	9.6	60.0	63.3	30.9	Ariz.	28.6	16.0	12.5	45.8	25.0	24.5
Nebr.	21.3	18.5	11.0	33.3	36.6	23.2	Utah	18.8	14.9	10.7	58.6	10.3	17.4
Kans.	21.3	16.7	10.6	35.5	30.8	19.2	Nev.	26.6	22.2	11.2	34.1	45.2	23.6
So. Atl.	23.6	18.9	12.1	47.6	33.1	22.6	Pac.	22.6	16.7	10.9	36.6	27.4	17.4
Del.	17.6	16.3	13.1	51.2	31.5	30.1	Wash.	22.7	18.1	11.6	33.4	33.8	12.5
Md.	22.3	16.4	11.8	45.1	30.0	21.6	Oreg.	23.0	16.0	10.6	36.3	20.1	12.3
D.C.	29.4	26.3	15.5	39.8	30.0	26.6	Calif.	22.5	16.5	10.8	35.7	27.1	17.9
							Alaska	27.9	20.3	13.4	29.6	48.5	16.9
							Hawaii	21.5	17.8	10.1	35.7	17.5	13.3

- Represents zero. ¹Based on a frequency of less than 20 deaths.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.

NO. 113. DEATH RATES, 1960 TO 1979, AND DEATHS, 1970 TO 1979, FROM SELECTED CAUSES

[Beginning 1970, excludes deaths of nonresidents of the U.S. Age-adjusted death rates were prepared using the direct method, in which age-specific death rates for a population of interest are applied to a standard population distributed by age. The standard population for this table is the total population of the United States enumerated in 1940. Age adjustment eliminates the differences in observed rates between points in time or among compared population groups that result from age differences in population composition. Deaths for 1979 classified according to ninth revision of *International Classification of Diseases*; for earlier years, classified according to revision in use at that time. See also Appendix II and *Historical Statistics, Colonial Times to 1970*, series B149-166]

CAUSE OF DEATH	CRUDE DEATH RATE PER 100,000 POPULATION					AGE-ADJUSTED DEATH RATES PER 100,000 POPULATION ¹			DEATHS (1,000)		
	1960	1970	1975	1978	1979	1970	1975	1979	1970	1975	1979
All causes	964.7	946.3	888.5	883.4	868.5	714.3	636.3	588.8	1,921.0	1,882.8	1,913.8
Major cardiovascular diseases	515.1	496.0	455.8	442.7	435.4	340.1	291.4	259.3	1,008.0	971.0	958.3
Diseases of heart	389.0	362.0	338.2	334.3	339.1	253.6	220.5	203.5	735.6	718.2	733.2
Percent of total	39.8	38.3	37.8	37.8	38.3	35.5	34.5	34.6	38.3	37.8	38.3
Rheumatic fever and rheumatic heart disease	10.2	7.3	6.1	6.1	3.5	6.3	4.8	2.8	14.8	12.9	7.6
Hypertensive heart disease ²	37.0	7.4	5.2	4.7	11.2	4.8	3.2	7.0	15.0	11.0	24.5
Ischemic heart disease		328.1	301.7	294.3	250.5	228.1	196.1	152.8	888.7	842.7	551.4
Other diseases of endocardium		3.3	2.1	1.9	2.9	2.3	1.4	1.9	6.7	4.9	6.5
All other forms of heart disease		15.9	21.2	27.2	84.9	12.0	15.0	39.1	32.3	45.1	142.9
Hypertension ³	7.1	4.1	3.0	2.5	3.3	2.9	1.9	1.9	8.3	6.3	7.3
Cerebrovascular diseases	108.0	101.9	91.1	80.5	77.0	66.3	54.5	42.6	207.2	194.0	169.5
Atherosclerosis	20.0	15.6	13.6	13.3	13.1	8.4	6.6	5.7	31.7	28.9	28.8
Other	11.0	12.5	12.0	12.2	6.9	8.8	8.0	5.8	25.3	25.6	19.5
Malignancies ⁴	149.2	162.6	171.7	191.9	183.3	129.9	130.9	133.2	330.7	355.0	403.4
Percent of total	15.6	17.2	19.3	20.6	21.1	18.2	20.5	22.6	17.2	19.2	21.1
Of digestive organs and peritoneum	50.6	46.6	46.5	46.3	49.6	35.2	33.6	33.8	94.7	99.6	109.1
Of respiratory and intrathoracic organs	22.2	34.2	40.7	45.6	46.9	26.4	32.5	35.8	86.5	86.7	103.2
Of breast	13.4	14.7	15.2	15.9	15.7	12.6	12.5	12.4	29.8	32.4	34.6
Of genital organs	21.6	20.3	20.2	20.7	20.0	15.6	14.6	13.9	41.2	43.0	45.4
Accidents and adverse effects	52.9	56.4	48.4	48.4	47.6	53.7	44.8	43.7	114.6	103.0	105.3
Motor vehicle	21.9	26.9	21.6	24.0	24.3	27.4	21.3	23.7	54.8	45.9	53.5
Falls	10.6	8.3	7.0	6.3	6.0	6.7	4.5	3.7	16.9	14.7	13.2
Drowning	2.6	3.1	3.1	2.7	2.6	3.1	3.1	2.6	6.4	6.6	5.7
All other	17.5	18.1	16.7	15.4	14.9	17.5	15.9	13.7	36.7	35.9	32.9
Chronic obstructive pulmonary diseases and allied conditions ⁵	(*)	15.2	12.0	10.0	22.7	11.6	8.6	14.9	30.9	25.5	49.9
Bronchitis, chronic and unspecified	(*)	2.9	2.2	2.0	1.7	2.1	1.6	1.0	5.8	4.7	3.7
Emphysema	(*)	11.2	8.8	7.2	6.2	6.4	6.2	4.1	22.7	18.8	13.6
Asthma	3.0	1.1	.9	.9	1.2	1.0	.8	.9	2.3	2.0	2.6
Other	(*)	(*)	(*)	(*)	13.7	(*)	(*)	6.8	(*)	(*)	30.1
Pneumonia and influenza	37.3	30.9	28.1	26.7	20.5	22.1	16.6	11.4	82.7	55.7	45.0
Pneumonia	32.9	29.0	24.1	24.9	20.2	20.6	15.4	11.2	56.0	51.4	44.4
Influenza	4.4	1.8	2.0	1.9	.3	1.3	1.2	1	3.7	4.3	.6
Diabetes mellitus	16.7	18.8	16.5	15.5	15.1	14.1	11.6	10.0	36.3	35.2	33.2
Chronic liver disease and cirrhosis	11.3	15.5	14.8	13.8	13.5	14.7	13.6	12.2	31.4	31.6	29.7
Certain conditions originating in the perinatal period	37.4	21.3	12.5	10.1	10.7	(X)	(X)	(X)	43.2	28.6	23.4
Suicide	10.6	11.6	12.7	12.5	12.4	11.8	12.6	11.9	23.5	27.1	27.2
Homicide and legal intervention	4.7	8.3	10.0	9.4	10.2	9.1	10.5	10.4	16.8	21.3	22.6
Nephritis, nephrotic syndrome, and nephrosis	7.6	4.4	3.8	4.1	7.1	3.5	2.8	4.4	8.9	6.1	15.7
Congenital anomalies	12.2	6.3	6.2	5.9	6.1	7.6	6.4	6.2	16.6	13.2	13.5
Septicemia	1.1	1.7	2.6	3.6	3.6	1.4	2.0	2.4	2.5	5.8	8.0
Ulcer of stomach and duodenum	6.3	4.2	3.2	2.5	2.7	3.2	2.2	1.7	8.6	6.7	5.9
Benign neoplasms	2.7	2.4	2.3	2.3	2.7	2.0	1.8	2.0	4.6	4.9	5.9
Hernia of abdominal cavity and intestinal obstruction ⁷	5.1	3.6	2.9	2.6	2.4	2.6	1.9	1.4	7.2	6.2	5.3
Other infective and parasitic diseases	2.6	1.9	1.9	2.2	1.9	1.7	1.7	1.8	2.9	4.1	4.1
Anemias	1.9	1.7	1.5	1.5	1.4	1.3	1.1	1.0	3.4	3.2	3.2
Cholelithiasis and other disorders of gallbladder	2.6	2.0	1.4	1.3	1.4	1.3	.8	.8	4.0	3.0	3.1
Infections of kidney	4.3	4.0	2.1	1.4	1.3	2.6	1.3	.7	6.2	4.5	2.9
Nutritional deficiencies	(*)	1.2	1.2	1.3	1.0	.8	.7	.5	2.5	2.8	2.2
Tuberculosis	6.1	2.6	1.6	1.3	.9	2.2	1.2	.7	5.2	3.3	2.0
Meningitis	1.3	.8	.8	.7	.6	.6	.7	.8	1.7	1.8	1.4
Hyperplasia of prostate	2.5	1.1	.6	.4	.4	.6	.3	.3	2.2	1.2	.8
Acute bronchitis and bronchiolitis	(*)	.6	.3	.3	.3	.5	.3	.2	1.3	.7	.6
Viral hepatitis	.5	.5	.3	.2	.3	.5	.3	.3	1.0	.6	.8
Symptoms, signs, and ill-defined conditions	11.4	12.7	14.9	14.4	12.5	10.4	12.3	9.9	25.5	31.8	27.6
All other causes	48.9	55.0	60.3	66.4	51.2	46.2	46.3	36.3	111.9	128.6	112.9

Represents zero or rounds to zero. X Not applicable.

Based on resident population enumerated as of Apr 1 for 1960 and 1970, and estimated as of July 1 for other years.

¹With or without renal disease. ²Includes other types of malignancies not shown separately. ³Prior to 1978, data are shown for bronchitis, emphysema, and asthma. ⁴Included in "all other causes." Comparable data not available separately.

⁵Excludes pneumonia of newborn. ⁶Without mention of hernia.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 114. DEATH RATES, BY CAUSE, SEX, AND AGE—STATES: 1979

[Deaths per 100,000 estimated midyear population in each area. By place of residence. Excludes nonresidents of U.S. Causes of death classified according to ninth revision of the *International Classification of Diseases*]

STATE, SEX, AND AGE	Diseases of heart	Malignant neoplasms	Cerebrovascular diseases	Accidents	Chronic obstructive pulmonary diseases ¹	Pneumonia, flu	Diabetes mellitus	Chronic liver disease and cirrhosis	Atherosclerosis	Suicide	Conditions originating in the perinatal period
U.S. ²	335.1	183.3	77.0	47.8	22.7	20.8	15.1	19.8	13.1	12.4	10.7
Male ³	370.4	205.6	85.8	68.5	33.0	22.2	12.8	19.1	10.7	18.0	12.6
15-24 yr.	3.3	7.6	1.0	100.9	.3	.9	4	.3	-	20.4	(x)
25-44 yr.	36.1	26.2	5.8	70.4	1.1	2.9	2.7	1	1	24.4	(x)
45-64 yr.	516.0	345.6	52.8	63.2	33.5	16.0	17.9	50.0	3.7	23.9	(x)
65 yr. and over	2,751.7	1,384.3	571.8	126.6	277.0	184.0	91.0	55.2	105.9	36.7	(x)
Female ³	297.9	182.1	67.6	27.3	12.9	18.8	17.2	9.2	15.4	6.1	8.9
15-24 yr.	2.1	4.9	.9	27.1	.3	7	4	.2	-	4.9	(x)
25-44 yr.	12.4	30.2	5.1	17.6	.9	1.6	2.0	4.9	-	5.4	(x)
45-64 yr.	178.4	268.7	41.8	22.1	18.2	7.7	16.8	23.5	1.9	10.2	(x)
65 yr. and over	1,099.5	759.9	598.4	77.5	71.7	124.1	101.3	29.4	115.6	7.0	(x)
New England	361.4	205.3	72.3	39.9	22.1	25.1	15.8	14.0	14.8	10.1	8.0
Maine	365.3	213.5	75.8	47.7	29.7	20.1	14.3	14.8	17.3	14.3	5.5
New Hampshire	319.4	195.5	73.4	40.4	24.2	22.4	14.8	13.1	17.9	11.3	7.8
Vermont	326.2	181.3	68.9	54.2	27.8	19.3	13.0	10.8	17.0	17.8	7.9
Massachusetts	361.1	207.0	71.9	40.1	19.8	31.1	16.3	14.0	13.2	8.9	7.7
Rhode Island	406.4	226.2	77.1	35.5	25.3	16.0	21.9	15.1	17.1	12.3	8.8
Connecticut	324.4	198.8	70.0	36.5	21.3	20.3	13.8	14.2	14.9	8.6	8.6
Middle Atlantic	368.4	208.9	75.8	35.9	21.4	22.6	18.8	18.9	11.8	8.7	10.1
New York	398.1	206.8	67.0	32.2	20.4	28.9	17.6	20.1	11.1	9.4	10.1
New Jersey	376.9	208.2	67.7	36.8	20.5	18.8	17.3	14.8	9.9	7.5	9.7
Pennsylvania	412.4	215.6	76.8	40.7	23.6	18.5	20.7	13.4	14.2	11.4	10.2
E. No. Central	347.8	181.4	78.8	43.0	21.2	18.2	16.7	12.8	14.3	11.5	11.2
Ohio	352.3	188.5	77.2	42.5	23.4	17.2	17.5	11.8	14.8	12.6	10.1
Indiana	330.7	176.0	60.5	49.2	23.4	17.2	16.3	9.9	19.4	11.1	10.9
Illinois	376.8	191.6	77.1	41.5	19.8	21.0	16.4	14.3	12.5	9.3	13.8
Michigan	319.1	168.0	66.0	42.0	21.1	18.1	15.7	14.9	12.8	12.4	11.2
Wisconsin	342.9	173.8	73.7	42.6	17.9	19.3	15.7	9.4	14.5	12.6	7.9
W. No. Central	344.2	188.3	68.0	48.8	23.9	24.6	14.1	8.8	17.3	11.1	8.6
Minnesota	294.8	186.1	61.4	48.2	18.0	23.9	12.0	7.9	15.0	10.2	8.3
Iowa	370.1	194.2	66.9	47.4	24.3	25.9	15.2	8.1	19.8	11.0	8.9
Missouri	369.4	203.4	92.2	50.1	27.0	24.8	15.3	10.2	15.9	11.5	11.2
North Dakota	318.0	177.2	74.8	47.3	18.9	20.5	12.5	9.3	15.5	11.6	12.2
South Dakota	372.1	199.2	66.7	61.7	26.0	24.5	15.4	10.9	17.9	10.2	8.4
Nebraska	345.6	184.1	62.9	48.7	25.5	25.6	12.8	8.0	21.0	10.1	9.7
Kansas	342.0	178.2	67.5	49.1	26.5	24.9	14.7	8.4	18.5	12.4	8.9
South Atlantic	340.3	180.3	63.9	51.3	23.9	19.3	18.2	14.1	11.5	13.7	12.4
Delaware	345.2	186.9	66.8	40.5	22.3	11.9	20.6	15.1	8.9	11.2	17.0
Maryland	304.1	185.0	55.0	37.5	17.9	14.2	16.3	12.3	9.4	10.8	11.7
District of Columbia	332.2	245.7	70.4	40.4	17.8	28.1	20.3	36.9	23.8	9.2	22.4
Virginia	295.6	168.2	71.8	42.6	19.4	19.7	11.4	10.8	11.0	15.0	12.4
West Virginia	427.5	191.7	83.0	57.7	33.5	20.0	16.5	11.7	13.0	12.9	12.0
North Carolina	309.4	162.3	63.8	54.4	19.4	18.8	14.3	12.7	10.3	12.6	12.1
South Carolina	294.9	154.6	66.6	60.4	18.6	18.7	16.2	10.3	8.7	10.3	14.3
Georgia	304.1	153.8	60.1	58.4	21.7	20.7	13.8	11.3	8.6	13.0	13.5
Florida	420.7	253.4	100.2	53.3	33.8	21.1	16.5	19.3	15.1	17.1	10.5
E. So. Central	329.7	178.8	63.5	58.6	23.0	19.5	15.8	9.8	12.2	12.2	11.8
Kentucky	359.7	185.9	67.9	55.5	25.7	22.4	16.8	10.4	12.6	13.4	9.5
Tennessee	322.8	177.6	66.0	64.5	23.8	20.6	12.9	9.7	14.5	13.7	10.7
Alabama	313.2	176.4	66.4	58.5	22.2	17.3	17.2	9.7	9.8	11.1	12.1
Mississippi	324.0	171.6	67.2	66.8	19.0	18.9	16.5	8.0	11.1	9.7	15.9
W. So. Central	301.4	163.8	61.8	67.2	21.8	19.7	14.2	10.5	13.4	12.4	12.3
Arkansas	363.6	197.8	109.8	54.1	26.3	21.8	14.3	8.6	16.0	11.4	9.7
Louisiana	316.3	170.3	76.1	60.5	18.1	17.3	19.2	9.7	15.8	12.5	16.4
Oklahoma	370.1	186.0	66.0	59.9	25.9	24.9	14.1	12.4	13.6	13.8	9.7
Texas	271.9	161.7	74.9	56.1	20.9	18.9	12.7	10.6	12.3	12.2	12.1
Mountain	232.8	157.7	65.8	64.7	27.2	18.8	11.4	12.3	11.4	17.8	10.9
Montana	262.7	167.5	74.8	76.7	25.1	18.8	11.6	8.1	19.2	15.0	9.7
Idaho	243.2	134.6	63.8	68.5	22.9	16.8	8.4	7.1	13.8	13.7	10.4
Wyoming	231.1	116.2	54.0	77.6	26.1	15.1	10.7	9.1	11.8	18.1	13.1
Colorado	229.7	129.5	51.2	50.2	25.6	22.0	9.8	10.2	13.4	18.0	8.1
New Mexico	171.2	131.7	60.0	63.0	24.7	16.3	13.1	14.5	8.6	18.3	14.5
Arizona	258.3	166.7	67.8	70.9	36.8	19.8	13.2	15.2	10.1	18.7	11.3
Utah	204.1	96.7	45.8	47.8	17.6	16.8	12.8	8.4	6.0	13.0	13.8
Nevada	236.8	180.8	65.1	74.4	32.3	15.2	11.0	26.1	11.5	24.9	9.4
Pacific	273.4	168.0	70.8	49.8	22.4	19.8	10.8	18.8	12.8	16.2	8.5
Washington	275.1	169.0	72.1	51.5	25.2	20.4	12.4	12.0	15.5	14.2	7.5
Oregon	290.3	180.0	79.9	56.3	28.5	23.9	11.3	13.6	17.5	13.9	7.3
California	278.8	170.2	71.4	48.7	23.1	19.4	10.2	18.4	11.9	15.6	6.7
Alaska	63.7	67.5	18.0	78.3	8.7	11	4.4	10.3	9.0	11.6	16.7
Hawaii	167.5	120.8	40.3	40.6	15.4	14.8	14.0	8.3	3.6	14.3	8.7

- Represents zero. X Not applicable. ¹Includes allied conditions. ²Includes persons under 15 years old, not shown separately.

Source: U.S. National Center for Health Statistics, unpublished data.

No. 115. DEATHS FROM SELECTED CAUSES FOR SELECTED COUNTRIES—AGE-ADJUSTED RATES:
1970 TO 1979

[Deaths per 100,000 population. For explanation of age-adjustment, see headnote, table 113. The standard population for this table is based on the sum of male and female population of 46 countries for which the source published causes of death statistics in 1950. Causes of death are classified according to eighth revision of the *International Classification of Diseases*]

SEX AND CAUSE OF DEATH	United States	Canada	France	Germany, Federal Republic	Japan	Sweden	United Kingdom ¹
MALE							
Ischemic heart disease:							
1970	319.7	272.9	66.7	153.5	49.2	224.9	241.3
1975	261.8	253.3	77.6	172.3	44.7	238.5	248.6
1979	² 261.6	³ 243.3	³ 72.8	³ 175.1	39.6	244.9	243.5
Malignant neoplasms:							
1970	154.9	155.1	175.9	175.7	141.7	129.8	167.4
1975	159.1	158.0	189.0	181.8	140.3	146.3	184.9
1979	² 163.7	³ 159.1	³ 193.3	³ 181.3	145.6	143.8	185.4
Cerebrovascular diseases:							
1970	75.8	65.9	93.1	109.0	214.8	55.7	92.5
1975	84.0	61.3	84.2	95.4	167.0	57.5	81.7
1979	² 53.1	³ 54.8	³ 71.4	³ 86.6	128.4	49.8	73.8
Accidents:							
1970	78.0	75.0	82.4	76.5	65.5	46.5	37.6
1975	65.7	74.6	72.0	61.2	45.3	58.8	32.5
1979	² 84.5	³ 64.2	³ 71.5	² 54.6	36.7	52.1	31.3
FEMALE							
Ischemic heart disease:							
1970	163.9	132.9	28.8	63.3	28.1	120.4	101.3
1975	140.6	118.1	31.8	74.8	26.9	120.1	105.7
1979	² 132.8	³ 112.5	³ 29.4	² 75.4	22.6	112.2	100.9
Malignant neoplasms:							
1970	106.5	109.9	96.0	123.4	91.7	106.9	118.0
1975	105.2	105.8	96.2	119.4	87.0	110.7	119.9
1979	² 107.5	³ 105.7	³ 93.5	² 116.6	85.2	107.1	122.0
Cerebrovascular diseases:							
1970	65.4	57.1	65.0	87.2	142.5	51.1	82.4
1975	54.6	51.7	61.0	75.9	115.5	51.9	73.7
1979	² 46.7	³ 45.8	³ 52.6	³ 68.7	90.5	42.8	67.3
Accidents:							
1970	28.8	29.0	35.1	31.9	20.3	20.1	18.5
1975	23.7	29.0	32.1	27.2	14.7	20.0	15.9
1979	² 23.8	³ 24.9	³ 32.2	² 24.5	12.9	17.7	15.1

¹ Covers England and Wales only. ² 1978 data. ³ 1977 data.
Source: World Health Organization, Geneva, Switzerland, *World Health Statistics*, vol. I, annual.

No. 116. DEATH RATES FROM HEART DISEASE, BY SEX, AGE, AND SELECTED TYPE: 1950 TO 1979

[Deaths per 100,000 population in specified age groups. Deaths for 1979 classified according to the ninth revision of the *International Classification of Diseases*; for earlier years classified according to the revision in use at the time; see text, p. 57. Beginning 1970, excludes deaths of nonresidents of the United States. See Appendix III]

AGE AT DEATH AND SELECTED TYPE OF HEART DISEASE	MALE					FEMALE				
	1950	1960	1970	1975	1979	1950	1960	1970	1975	1979
Total U.S. rate ¹	424.7	439.5	422.5	385.2	370.4	280.7	300.6	304.5	289.7	207.9
25-44 years	70.2	67.6	57.3	42.4	36.1	36.2	25.2	19.5	13.9	12.4
45-54 years	441.2	420.4	376.4	326.7	290.0	177.8	127.5	109.9	91.3	85.1
55-64 years	1,100.5	1,068.9	967.2	860.2	769.8	507.0	429.4	351.6	300.0	278.2
65 years and over	3,269.3	3,314.7	3,258.0	2,933.0	2,751.7	2,496.3	2,415.6	2,268.2	2,036.7	1,969.5
Persons 45-54 years:										
Ischemic heart	316.6	347.1	338.0	292.3	223.9	76.0	72.4	64.0	70.9	53.1
Rheumatic heart	24.3	19.9	11.4	7.3	3.2	23.8	19.5	10.6	6.1	4.5
Hypertensive heart	48.0	23.9	4.6	2.9	9.3	48.7	21.5	4.0	2.2	5.7
Persons 55-64 years:										
Ischemic heart	792.9	885.2	904.6	779.1	606.9	275.0	295.6	299.1	252.9	195.2
Rheumatic heart	35.0	29.0	21.5	16.2	6.7	30.5	28.4	20.8	15.3	9.5
Hypertensive heart	128.2	71.2	11.7	8.1	21.7	119.0	63.9	9.1	6.1	14.6
Persons 65 years and over:										
Ischemic heart	2,041.1	2,586.4	3,022.5	2,684.3	2,144.1	1,334.0	1,691.2	2,071.5	1,841.3	1,465.2
Rheumatic heart	58.3	32.9	32.9	30.5	13.4	52.6	34.8	32.3	31.8	22.1
Hypertensive heart	442.4	266.5	54.9	38.2	67.5	487.9	321.2	60.0	41.2	79.7

¹ Includes persons under 25 years old, not shown separately.
Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 117. DEATH RATES FROM CANCER, BY SEX, AGE, AND TYPE OF CANCER: 1940 TO 1979

[Deaths per 100,000 population in the specified age groups. See heading, table 116]

AGE AT DEATH AND SELECTED TYPE OF CANCER	MALE						FEMALE					
	1940	1950	1960	1970	1975	1979	1940	1950	1960	1970	1975	1979
Total U.S. rate ¹	114.1	142.9	162.5	182.1	192.5	205.5	126.4	138.8	136.4	144.4	152.1	162.1
25-44 years	24.6	31.0	34.2	33.9	28.7	26.2	50.3	49.1	45.6	40.3	33.4	30.2
45-54 years	135.3	158.2	170.8	183.5	187.4	189.6	204.1	194.0	183.0	181.5	178.8	173.4
55-64 years	352.2	413.1	459.9	511.8	512.3	520.7	384.1	388.2	337.7	343.2	357.7	366.5
65 years and over	895.2	968.9	1,066.2	1,221.2	1,301.1	1,364.3	782.3	756.7	709.1	708.3	725.2	758.9
Persons, 45-54 years old:												
Respiratory, intrathoracic	23.3	39.3	54.7	72.1	78.2	79.8	6.2	6.7	10.1	22.2	28.1	33.5
Digestive organs, peritoneum	70.7	59.0	53.2	45.9	44.8	44.6	56.6	47.0	38.9	32.5	29.7	28.4
Breast	.3	.4	.2	.4	.2	.1	47.5	46.9	51.4	52.8	50.4	48.9
Genital organs	5.6	4.8	4.0	3.4	3.3	3.3	60.2	59.0	44.8	34.4	29.9	25.1
Lymphatic and hematopoietic tissues, excl. leukemia	(NA)	8.7	11.6	12.8	11.0	10.8	(NA)	5.7	7.1	8.3	7.4	6.6
Urinary organs	9.1	8.7	8.3	8.0	8.1	8.3	4.5	3.8	3.5	3.5	3.3	3.2
Lip, oral cavity, and pharynx	8.0	8.3	7.9	7.9	8.2	8.4	1.6	1.8	2.8	2.8	3.0	2.8
Leukemia	*5.6	6.5	7.2	6.6	6.9	8.0	*4.6	5.1	5.3	4.9	4.4	4.9
Persons, 55-64 years old:												
Respiratory, intrathoracic	45.7	84.2	150.2	202.3	214.1	224.4	12.8	15.4	17.0	38.9	58.3	72.3
Digestive organs, peritoneum	195.3	174.8	153.7	139.0	129.5	132.4	149.1	125.1	102.2	88.0	83.5	82.9
Breast	8	8	10	8	8	5	74.9	69.9	70.8	77.6	79.2	79.8
Genital organs	30.7	26.2	23.5	22.8	23.3	23.2	100.9	87.4	73.0	58.2	53.0	48.4
Lymphatic and hematopoietic tissues, excl. leukemia	(NA)	18.2	23.1	27.1	26.7	24.0	(NA)	11.5	15.7	17.7	17.5	16.5
Urinary organs	23.7	26.9	25.8	26.4	24.8	22.7	11.8	11.2	9.3	9.4	9.0	9.0
Lip, oral cavity, and pharynx	16.1	16.2	18.3	20.1	18.9	18.1	3.0	3.3	3.8	6.2	6.8	6.8
Leukemia	*10.6	14.1	16.1	15.4	14.9	14.5	*7.5	10.1	10.8	9.0	8.6	9.0
Persons, 65 years and older:												
Respiratory, intrathoracic	50.7	112.5	206.4	336.5	394.2	435.1	17.7	30.9	30.4	49.9	88.0	93.5
Digestive organs, peritoneum	479.8	449.4	412.0	374.0	389.8	375.0	403.8	346.7	301.0	282.0	251.9	250.9
Breast	2.1	2.2	1.4	1.9	1.8	1.6	122.8	112.7	107.9	109.7	113.5	115.6
Genital organs	166.8	166.5	169.4	181.8	186.6	199.1	135.3	119.2	106.1	93.5	88.2	85.5
Lymphatic and hematopoietic tissues, excl. leukemia	(NA)	23.5	39.6	57.7	60.6	60.3	(NA)	16.8	25.5	39.9	42.6	42.7
Urinary organs	57.3	63.3	71.5	80.5	81.4	80.5	32.1	32.0	31.3	30.9	30.0	29.8
Lip, oral cavity, and pharynx	51.7	38.4	31.9	30.9	30.3	28.7	12.3	9.2	6.6	9.1	9.6	10.4
Leukemia	*15.5	30.4	41.8	47.9	49.8	50.8	*10.5	18.2	25.6	28.4	27.4	29.4

NA Not available. ¹Includes persons under 25 years old, not shown separately. ²Not classified as cancer in the 10th revision; therefore, not included in totals for cancer.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 118. DEATH RATES FROM ACCIDENTS AND VIOLENCE: 1960 TO 1979

[Deaths per 100,000 population. Beginning 1970, excludes deaths of nonresidents of the U.S. Deaths for 1979 classified according to the ninth revision of the *International Classification of Diseases*, for earlier years classified according to the revision in use at the time; see text, p. 57. See Appendix III]

SEX, CAUSE OF DEATH, AND AGE	WHITE					BLACK				
	1960	1970	1975	1976	1979	1960	1970	1975	1976	1979
Males, total ¹	81.3	101.9	96.9	97.7	98.8	137.1	163.2	164.5	147.9	163.4
Motor vehicle accidents	31.6	36.1	32.2	36.2	37.3	33.2	44.3	32.7	32.7	32.0
All other accidents	36.6	36.2	36.5	32.1	31.2	60.8	63.3	62.2	45.7	45.2
Suicide	17.6	18.0	20.1	20.2	20.0	8.4	8.0	10.0	10.8	11.8
Homicide	3.6	6.8	9.1	9.2	10.1	36.7	67.6	69.6	58.7	64.6
15-24 years	105.2	130.7	129.7	138.3	142.2	144.2	234.3	182.9	158.3	157.7
25-44 years	68.5	107.1	103.4	104.5	107.5	205.6	301.1	279.1	241.9	253.9
45-64 years	118.6	121.4	104.0	95.2	83.2	188.4	249.7	214.8	186.7	190.5
65 years and over	223.5	218.9	185.3	173.2	166.9	190.1	220.0	203.0	194.7	202.7
Females, total ¹	66.9	42.4	36.3	36.2	37.2	60.8	51.7	48.9	42.9	42.5
Motor vehicle accidents	11.2	14.8	11.4	13.1	13.0	9.7	13.4	9.3	9.7	8.9
All other accidents	20.4	18.3	18.7	15.4	14.6	29.1	22.5	18.9	17.2	17.0
Suicide	6.3	7.1	7.4	6.9	6.8	1.6	2.8	2.7	2.8	2.6
Homicide	1.4	2.1	2.9	2.9	3.0	10.4	13.3	15.1	13.0	13.0
15-24 years	23.5	34.9	33.1	36.7	36.2	31.6	111.1	42.7	36.1	38.7
25-44 years	24.0	33.6	31.1	30.6	29.9	51.7	60.5	55.1	47.7	47.4
45-64 years	37.7	44.6	36.2	36.7	34.8	54.5	55.9	51.9	48.5	48.0
65 years and over	148.1	122.4	100.7	91.9	88.3	113.9	107.9	85.7	80.4	68.9

¹Includes persons under 15 years old, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 119. DEATHS AND DEATH RATES FROM ACCIDENTS, BY TYPE: 1960 TO 1979

[Beginning 1970, excludes deaths of nonresidents of the U.S. See headnote, table 118 and Appendix B. See also *Historical Statistics, Colonial Times to 1970*, series B 163-165]

TYPE OF ACCIDENT	DEATHS					RATE ¹				
	1960	1965	1970	1975	1979	1960	1965	1970	1975	1979
Accidents and adverse effects	93,806	108,004	114,638	103,030	106,312	62.3	68.7	68.4	48.4	47.8
Motor-vehicle accidents	36,137	46,163	54,633	45,863	53,524	21.3	25.4	26.9	21.5	24.3
Traffic	37,142	48,050	53,493	44,820	52,253	20.7	24.8	26.3	21.0	23.7
Nontraffic	895	1,113	1,140	1,033	1,271	.6	.8	.6	.5	.8
Other road-vehicle accidents	243	319	257	255	263	.1	.2	.1	.1	.1
Water-transport accidents	1,478	1,493	1,851	1,570	1,438	.8	.8	.8	.7	.7
Air and space transport accidents	1,476	1,529	1,612	1,562	1,784	.8	.8	.8	.7	.9
Railway accidents	1,023	962	852	806	551	.6	.5	.4	.3	.3
Accidental falls	18,023	19,984	18,926	14,896	13,216	10.6	10.3	8.9	7.0	6.0
Fall from one level to another	6,019	6,802	4,798	4,005	3,616	3.4	3.0	2.4	1.8	1.6
Fall on the same level	3,880	5,739	626	532	486	2.1	3.0	.4	.2	.2
Fracture, cause unspecified, and other and unspecified falls	8,315	8,444	11,300	10,359	9,135	5.2	4.4	5.6	4.9	4.2
Accidental drowning	5,232	5,485	5,391	6,840	5,678	2.9	2.8	3.1	3.1	2.6
Accidents caused by—										
Fire and flames	7,645	7,347	6,718	6,071	5,691	4.3	3.8	3.3	2.6	2.7
Firearms	2,334	2,344	2,408	2,360	2,004	1.3	1.2	1.2	1.1	.9
Electric current	989	1,071	1,140	1,224	1,024	.6	.6	.6	.6	.5
Explosive material	(?)	(?)	530	388	345	(?)	(?)	.3	.2	.2
Hot substances, corrosive liquids ²	402	420	275	209	192	.2	.2	.1	.1	.1
Accidental poisoning by—										
Drugs and medicines	(NA)	(NA)	2,505	3,132	2,544	(NA)	(NA)	1.2	1.5	1.2
Other solid and liquid substances	1,879	2,110	1,174	1,562	621	.9	1.1	.8	.7	.3
Gases and vapors	1,253	1,526	1,620	1,577	1,472	.7	.8	.8	.7	.7
Complications due to medical procedures	1,116	1,494	3,581	3,184	2,642	.6	.8	1.6	1.5	1.2
Inhalation and ingestion of objects	2,997	1,836	2,753	3,106	3,243	1.3	.9	1.4	1.5	1.5
All other accidents	8,381	10,921	9,614	8,822	8,800	5.2	5.6	4.7	4.1	4.0

NA Not available. ¹For 1960 and 1970, per 100,000 resident population as of Apr. 1; other years, per 100,000 population estimated as of July 1. ²Not available separately because of change in classification; included in "All other accidents."

³Includes accidents caused by radiation.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 120. CATASTROPHIC ACCIDENTS AND DEATHS, BY TYPE OF ACCIDENT: 1941 TO 1981

[Catastrophic accidents defined as those in which five or more persons were killed. Covers accidents occurring within U.S. only. Excludes military aviation accidents. In some instances data may be incomplete.]

TYPE OF ACCIDENT	ACCIDENTS					DEATHS				
	1941-1950	1951-1960	1961-1970	1971-1980	1981, prel.	1941-1950	1951-1960	1961-1970	1971-1980	1981, prel.
All types	1,060	1,483	1,340	824	68	13,261	13,790	12,513	10,080	672
Motor vehicle	292	666	561	220	9	1,188	4,037	3,553	1,466	60
Percent of total	27.6	44.8	41.8	23.8	13.6	15.0	29.3	28.4	14.5	8.9
Bus	59	32	91	17	2	539	284	313	192	21
Collision with railroad train	12	5	5	4	-	11	36	90	28	-
Motor vehicle other than bus	233	634	530	203	7	1,446	3,773	3,240	1,273	39
Collision with railroad train	69	94	56	17	1	431	574	346	110	5
Air transportation	88	112	178	170	12	1,371	2,133	2,886	2,456	69
Water transportation	89	62	46	31	2	1,012	719	416	437	36
Railroad ¹	46	24	6	6	-	661	369	52	65	-
Fire and explosion	330	420	420	336	15	4,529	3,099	3,090	2,660	129
Percent of total	31.4	28.3	31.3	36.4	22.7	34.3	22.5	24.7	26.6	19.2
Dwellings, apartments	188	312	322	223	10	1,034	1,917	1,969	1,341	63
Hotels, boarding houses, rooming houses	36	24	25	33	2	515	175	111	368	25
Institutions ²	18	17	12	19	1	281	254	200	190	31
Places of amusement	5	2	3	2	-	679	26	88	202	-
Other	107	65	58	60	2	2,020	727	579	562	10
Tornadoes, floods, hurricanes, etc	111	98	60	111	16	2,292	2,682	2,010	2,336	166
Mines and quarries	89	22	15	9	3	870	339	296	161	36
All other	42	59	37	41	7	331	412	226	470	154

- Represents zero. ¹Collisions of railroad trains with motor vehicles are classified as motor vehicle accidents. ²Homes for aged and convalescent, hospitals, etc.

Source: Metropolitan Life Foundation, New York, N.Y., *Statistical Bulletin*, April-June 1982; and unpublished data.

NO. 121. SUICIDES, BY METHOD USED: 1960 TO 1979

[Beginning 1970, excludes deaths of nonresidents of the United States. Deaths for 1979 classified according to the ninth revision of the *International Classification of Diseases*. For earlier years classified according to the revision in use at the time; see text, p. 57. See also *Historical Statistics, Colonial Times to 1970*, series H 979-986]

ITEM	MALE							FEMALE						
	1960	1970	1975	1978	1977	1978	1979	1960	1970	1975	1978	1977	1978	1979
Total	14,539	16,829	19,622	19,493	21,108	20,188	20,266	4,502	6,851	7,441	7,339	7,572	7,106	6,960
Firearms ¹	7,879	9,704	12,185	12,128	13,342	12,830	12,919	1,138	2,068	2,688	2,600	2,742	2,567	2,839
Percent of total	54.2	58.4	62.1	62.2	63.2	63.6	63.8	25.3	30.2	36.1	35.4	36.2	36.0	38.0
Poisoning ²	2,631	3,299	3,297	3,076	3,340	3,105	2,974	1,899	3,285	3,129	3,068	3,147	2,912	2,754
Hanging and strangulation ³	2,576	2,422	2,815	2,834	2,982	2,759	2,783	790	831	848	855	848	753	742
Other	1,453	1,204	1,325	1,455	1,445	1,494	1,590	875	867	778	816	835	864	815

¹Includes explosives. ²Includes solids, liquids, and gases. ³Includes suffocation.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

NO. 122. SUICIDE RATES, BY SEX, RACE, AND AGE GROUP: 1970 TO 1979

[Rates per 100,000 population in specified group. Excludes deaths of nonresidents of U.S. Deaths for 1979 classified according to the ninth revision of the *International Classification of Diseases*. For earlier years classified according to the revision in use at the time; see text, p. 57]

AGE	MALE								FEMALE							
	White				Black				White				Black			
	1970	1975	1978	1979	1970	1975	1978	1979	1970	1975	1978	1979	1970	1975	1978	1979
All ages ¹	18.0	20.1	20.2	20.0	8.0	10.0	10.8	11.6	7.1	7.4	8.9	8.8	2.6	2.7	2.8	2.8
5-14 years	.5	.8	.7	.6	.1	.1	.3	.2	.1	.2	.2	.3	.2	.1	.2	.1
15-24 years	13.9	18.6	20.8	21.0	10.5	12.9	13.4	14.4	4.2	4.9	5.0	5.1	3.8	3.3	2.7	3.4
25-34 years	18.9	24.4	25.8	26.2	19.2	24.3	24.4	26.3	9.0	8.9	8.6	8.0	5.7	5.8	5.6	5.7
35-44 years	23.3	24.5	22.5	22.5	12.6	16.0	16.9	16.9	13.0	12.6	10.9	10.1	3.7	3.9	4.6	4.1
45-54 years	29.5	29.7	24.7	23.9	13.8	12.1	13.8	13.0	13.5	13.8	12.1	11.7	3.7	4.0	4.2	2.9
55-64 years	35.0	32.1	29.3	26.8	10.8	10.8	10.2	12.9	12.3	11.7	10.3	10.2	2.0	3.5	3.2	4.0
65 and over	41.1	39.4	40.8	39.2	8.7	11.3	11.7	12.9	8.5	8.5	7.9	7.3	2.6	2.3	2.3	2.5

¹Includes other age groups not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

NO. 123. SUICIDE RATES FOR SELECTED COUNTRIES, BY SEX AND AGE GROUP: 1975 AND 1980

[Rate per 100,000 population. Includes deaths resulting indirectly from self-inflicted injuries]

COUNTRY	MALE						FEMALE					
	1975, total	1980					1975, total	1980				
		Total	15-24 yr.	25-44 yr.	45-64 yr.	65 and over		Total	15-24 yr.	25-44 yr.	45-64 yr.	65 and over
U.S. ¹	19.9	19.0	36.8	24.0	28.3	38.0	6.8	6.9	4.7	8.9	10.5	7.4
Australia	15.2	16.4	17.6	23.1	23.1	25.3	7.0	6.6	4.5	8.1	8.6	7.9
Austria	35.5	37.8	28.8	40.0	58.1	77.2	13.9	14.9	6.7	12.7	21.8	31.1
Canada ²	17.2	22.3	27.8	30.9	30.2	28.6	8.4	7.3	8.7	10.1	12.8	8.7
Denmark	29.9	41.1	18.3	61.4	71.2	67.7	18.4	22.3	7.7	25.8	41.1	32.4
France ³	22.9	24.7	14.0	25.5	38.2	62.3	9.0	10.0	5.2	8.1	14.9	21.9
Germany, Fed. Rep.	27.8	28.3	19.0	30.1	40.8	60.4	14.6	14.1	5.8	12.1	22.0	26.6
Ireland ⁴	6.8	8.4	8.2	11.1	12.1	4.3	2.8	3.6	2.5	4.8	8.4	3.6
Israel ⁵	9.8	8.1	10.8	9.4	12.9	23.4	7.1	3.8	1.2	4.3	6.6	15.9
Japan	21.4	22.2	16.6	28.6	32.9	51.3	14.6	13.1	6.2	11.9	16.3	44.4
Netherlands ²	10.8	11.6	8.2	13.4	20.7	27.8	7.0	9.1	2.7	9.8	17.7	18.0
Norway	14.2	18.3	20.4	19.2	30.3	25.0	5.6	6.8	3.3	8.0	13.0	7.5
Poland ⁶	19.3	21.8	19.5	31.8	34.9	24.7	3.7	4.0	4.3	4.6	6.3	5.6
Sweden	27.7	27.6	18.9	36.9	39.4	42.7	11.2	11.9	5.8	13.6	18.6	13.2
Switzerland ⁶	32.5	34.5	31.0	39.2	50.6	59.4	12.9	15.4	13.2	16.3	24.3	22.2
United Kingdom ⁴	9.1	11.0	8.4	14.1	18.6	19.3	8.0	8.7	3.0	6.0	11.4	12.9

¹Includes other age groups not shown separately.

²1980 data not available. 1979 data shown for Netherlands, Poland, and Switzerland; 1978 data shown for U.S., Canada, France, and Ireland. ³Jewish population. ⁴England and Wales only.

Source: World Health Organization, Geneva, Switzerland, *World Health Statistics*, annual; and unpublished data.

NO. 124. MARRIAGES AND DIVORCES: 1950 TO 1979

[Prior to 1960, excludes Alaska and Hawaii. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A 155-159 and B 214-220]

MARRIAGE AND DIVORCE	1950	1955	1960	1965	1970	1974	1975	1976	1977	1978	1979
MARRIAGES											
Total (1,000)	1,467	1,531	1,525	1,466	2,166	2,230	2,153	2,155	2,178	2,262	2,331
Rate per 1,000 population	11.1	9.3	8.5	9.3	10.6	10.5	10.1	10.0	10.1	10.5	10.8
Rate per 1,000 unmarried women:											
15-44 years old	165.4	151.1	148.0	144.3	140.2	126.4	118.5	113.4	109.8	109.1	107.9
15 years old and over	90.2	80.9	73.5	75.0	78.5	72.0	66.9	65.2	63.6	64.1	63.6
First marriage of bride ¹ (1,000)	(NA)	(NA)	654	1,043	1,252	1,271	1,191	1,163	1,147	1,174	1,214
Rate per 1,000 single women:											
14 years old and over	62.1	(NA)	87.5	84.4	82.9	74.8	66.1	64.8	62.7	62.1	62.1
15-19 years	(NA)	(NA)	208.4	166.9	151.4	133.5	115.0	105.1	99.6	95.6	91.7
20-24 years	(NA)	(NA)	263.9	237.3	220.1	159.5	143.8	133.4	125.6	123.0	121.9
25-44 years	(NA)	(NA)	(NA)	96.4	82.5	85.7	81.7	81.8	78.6	77.1	76.6
45-64 years	(NA)	(NA)	(NA)	9.0	8.8	9.6	9.2	9.3	8.6	7.9	7.9
Median age at first marriage: ²											
Male (years)	22.8	22.6	22.8	22.5	22.5	22.5	22.7	22.9	23.0	23.2	23.4
Female (years)	20.3	20.2	20.3	20.4	20.6	20.6	20.6	21.0	21.1	21.4	21.6
Remarriages of bride ¹ (1,000)	(NA)	(NA)	197	305	393	494	510	518	532	548	582
Rate per 1,000 widowed and divorced:											
14 years old and over	(NA)	(NA)	32.7	33.7	36.6	40.0	40.1	39.7	40.0	40.0	40.6
14-24 years	(NA)	(NA)	407.7	471.0	317.6	332.1	319.9	324.4	323.5	321.5	312.8
25-44 years	(NA)	(NA)	(NA)	139.6	142.3	147.3	144.5	139.2	129.0	126.6	127.6
45-64 years	(NA)	(NA)	22.0	24.5	24.6	24.4	23.5	23.5	22.1	21.9	21.0
Median age at remarriage: ²											
Male (years)	(NA)	(NA)	(NA)	36.6	37.5	35.7	35.5	35.1	34.9	35.1	35.3
Female (years)	(NA)	(NA)	(NA)	35.5	33.3	32.1	32.0	31.7	31.4	31.5	31.9
DIVORCES³											
Total (1,000)	355	377	365	475	706	977	1,000	1,063	1,061	1,120	1,161
Rate per 1,000 population	2.6	2.3	2.2	2.5	3.5	4.6	4.9	5.0	5.0	5.2	5.4
Rate per 1,000 married women, 15 yr old and over	10.3	9.3	9.2	10.6	14.9	19.3	20.3	21.1	21.1	21.9	22.6
Median duration of marriage ⁴ (years)	5.6	6.4	7.1	7.2	6.7	6.5	6.6	6.5	6.6	6.6	6.6
Median age at divorce after 1st marriage: ⁴											
Male (years)	(NA)	(NA)	(NA)	(NA)	30.5	30.3	30.2	30.3	30.6	30.7	31.0
Female (years)	(NA)	(NA)	(NA)	(NA)	27.9	28.1	28.1	28.2	28.4	28.4	28.7
Children involved in divorce ⁵ (1,000)	(NA)	347	463	630	870	1,099	1,123	1,117	1,096	1,147	1,181
Avg. number of children involved	(NA)	.92	1.16	1.32	1.22	1.12	1.06	1.03	1.00	1.01	1.00

NA Not available. ¹Includes 37,482 nonlicensed marriages registered in California for 1978 and 41,961 for 1979. ²Number of States reporting: 1960, 33, including New York but excluding New York City; 1965, 36; 1970, 39; 1974-1978, 41, and 1979, 42. Beginning 1965, includes D.C. ³Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 349. ⁴Includes annulments. ⁵Number of States reporting: 1950, 18; 1955, 23; 1960, 18; 1965, 22; 1970 and 1978, 28; 1974-77, 29; and 1979, 30. ⁶Number of States reporting: 1970, 27; and 1974-78, 26, and 1979, 30. Median age computed on grouped ages.

Source: Except as noted, U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; *Monthly Vital Statistics Report*; and unpublished data.

NO. 125. FIRST MARRIAGES, DIVORCES, AND REMARRIAGES FOR WOMEN: 1930 TO 1977

[Numbers in thousands. Figures represent annual averages. Noninstitutional population excluding members of the Armed Forces living in barracks]

PERIOD	FIRST MARRIAGES		DIVORCES		REMARriages		PERIOD	FIRST MARRIAGES		DIVORCES		REMARriages	
	Number	Rate ¹	Number	Rate ²	Number	Rate ³		Number	Rate ¹	Number	Rate ²	Number	Rate ³
1930-1932	819	81	183	10	138	61	1954-1966	1,182	120	379	15	511	129
1933-1935	1,061	82	196	11	162	69	1957-1959	1,128	112	381	16	369	129
1936-1938	1,163	96	243	13	201	63	1960-1962	1,206	112	407	16	345	119
1939-1941	1,312	108	289	14	254	103	1963-1965	1,311	109	452	17	415	143
1942-1944	1,247	106	360	17	354	139	1966-1968	1,440	107	535	20	511	186
1945-1947	1,540	143	526	24	426	163	1969-1971	1,646	109	702	26	515	152
1948-1950	1,326	134	397	17	380	135	1972-1974	1,662	103	511	32	601	151
1951-1953	1,190	122	366	16	370	136	1975-1977	1,506	85	1,070	37	646	134

¹Per 1,000 single women 14 to 44 years old. ²Per 1,000 married women 14-44 years old. ³Per 1,000 widowed and divorced women 14-64 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 100.

No. 126. MARRIAGES—NUMBER AND RATE, BY STATES: 1965 TO 1979

[By place of occurrence]

STATE	NUMBER (1,000)						RATE PER 1,000 POPULATION ¹					
	1965	1970	1975	1977	1978	1979	1965	1970	1975	1977	1978	1979
U.S.	1,900.2	2,199.0	2,192.7	2,178.4	² 2,302.2	² 2,331.3	8.2	10.6	10.1	10.1	³ 10.6	³ 10.8
A.E.	96.5	105.4	95.8	97.3	99.7	104.1	7.9	8.9	7.9	7.9	8.1	8.9
Ala.	8.7	11.0	11.2	11.4	11.7	11.9	8.8	11.0	10.6	10.6	10.7	10.9
Ark.	9.0	10.0	8.8	8.9	9.1	9.1	13.4	13.6	10.8	10.5	10.6	10.2
Cal.	3.6	4.6	4.6	4.8	4.6	5.2	9.0	10.2	9.7	9.9	9.8	10.5
Conn.	37.9	47.4	42.1	41.9	42.9	45.1	7.1	8.3	7.2	7.3	7.4	7.8
Del.	8.3	7.6	6.7	7.1	7.3	7.4	7.1	7.9	7.2	7.6	7.8	7.9
Fla.	21.0	25.0	23.4	23.1	24.0	25.4	7.4	9.2	7.8	7.4	7.7	8.2
Ill.	306.0	312.4	307.4	375.3	302.5	300.6	7.1	8.4	7.7	7.4	7.7	7.9
Ind.	133.5	161.2	142.8	133.6	136.6	142.4	7.4	8.9	7.9	7.6	7.7	8.1
Iowa	46.3	56.8	53.0	50.7	53.0	54.7	6.6	7.9	7.2	6.9	7.2	7.6
Kan.	60.2	64.6	61.7	60.6	62.7	63.7	6.9	8.0	7.8	7.7	7.9	8.0
La.	338.3	364.8	367.4	367.4	364.2	366.8	8.9	9.6	9.8	9.4	9.8	9.8
Md.	79.0	90.1	101.1	98.4	103.6	99.8	7.7	8.6	9.4	9.3	9.7	9.3
Mass.	49.7	55.2	58.1	56.4	58.1	59.6	10.2	10.6	10.8	10.8	10.8	11.0
Mich.	101.0	115.5	111.5	108.1	106.9	106.5	8.5	10.4	10.0	9.6	9.4	9.7
Minn.	61.2	69.7	62.9	66.1	66.3	69.5	9.8	10.1	9.0	9.4	9.6	9.7
Miss.	28.4	34.4	35.9	37.4	38.2	⁴ 39.8	6.9	7.8	7.8	8.0	8.2	⁵ 8.4
Mo.	131.6	160.6	161.9	164.6	169.4	171.6	8.3	9.6	9.7	9.8	9.9	10.6
N.H.	26.6	31.3	32.3	33.0	33.5	⁶ 36.8	7.4	8.2	8.2	8.3	8.3	⁷ 9.1
N.J.	20.2	24.6	25.6	26.4	28.0	27.9	7.3	8.7	8.9	9.2	9.6	9.6
N.M.	40.2	50.1	50.1	52.1	52.9	53.0	6.9	10.7	10.6	10.9	10.9	10.9
N.Y.	4.6	5.3	6.0	5.7	5.7	6.0	7.6	8.6	9.4	8.7	8.7	9.2
N.C.	8.3	11.0	11.1	10.4	10.8	9.0	12.1	16.6	16.2	15.0	16.4	13.0
N.D.	12.1	15.7	13.1	13.4	13.7	14.1	8.3	10.6	8.6	8.6	8.7	8.9
Ohio	18.8	22.4	23.6	23.7	24.0	24.8	8.4	10.0	10.5	10.2	10.2	10.6
Ore.	311.7	371.6	366.6	366.6	360.6	401.9	10.6	12.1	10.9	11.1	11.3	11.6
Pac.	3.1	4.3	3.9	4.0	4.3	4.4	6.2	7.8	6.8	6.9	7.4	7.5
R.I.	47.3	52.2	44.8	45.1	45.0	45.9	12.4	13.3	10.9	10.6	10.9	11.1
S.C.	9.2	7.3	4.6	4.6	4.6	4.9	11.4	9.6	8.9	8.7	8.9	7.4
S.D.	46.0	52.0	64.7	57.8	59.0	58.7	10.4	11.2	11.0	11.3	11.4	11.3
Tenn.	14.2	15.9	17.0	17.6	17.3	17.7	7.8	9.1	9.5	9.4	9.3	9.4
Texas	40.7	48.3	42.3	43.5	43.9	45.1	8.2	9.5	7.8	7.9	7.9	8.0
Utah	46.3	57.9	50.2	51.3	53.0	53.5	16.2	22.3	17.6	17.6	18.2	18.2
Va.	55.5	63.9	63.2	67.4	66.2	66.5	12.6	13.9	12.6	13.3	13.4	13.4
W.Va.	49.4	69.2	66.4	69.6	65.3	103.2	8.5	10.2	10.2	10.6	11.0	11.7
Wisc.	132.1	164.9	166.2	⁸ 169.1	⁸ 166.8	169.2	10.3	12.1	11.5	⁹ 11.6	⁹ 11.9	12.0
Wyo.	¹⁰ 26.3	36.3	32.1	¹¹ 32.2	¹¹ 33.3	34.0	¹² 8.9	11.3	9.4	¹³ 9.3	¹³ 9.5	9.6
Ala.	40.1	46.4	51.5	55.3	57.5	59.2	10.4	11.6	12.3	12.9	13.3	13.6
Ark.	40.4	47.0	45.3	46.7	47.7	48.7	11.5	13.6	12.5	12.4	12.6	12.9
Cal.	23.3	26.3	26.3	26.8	27.3	27.3	10.1	11.9	11.2	11.2	11.3	11.2
Conn.	192.2	237.2	254.9	264.4	276.5	284.6	10.4	12.9	12.2	12.9	13.6	12.7
Del.	19.2	23.9	24.3	24.0	25.1	25.9	9.9	12.1	11.5	11.2	11.6	11.9
Fla.	28.0	36.4	37.3	38.6	39.9	41.3	8.1	9.7	9.8	9.9	10.0	10.3
Ill.	32.8	39.0	40.1	42.1	43.7	44.5	13.3	16.2	14.9	15.0	16.4	16.4
Ind.	111.5	139.5	163.2	169.6	167.8	172.8	10.5	12.6	12.5	12.4	12.9	12.9
Iowa	¹⁴ 167.8	197.5	212.9	219.6	234.6	227.0	¹⁵ 20.6	22.6	22.0	21.9	22.8	21.9
Kan.	4.7	6.9	7.3	7.5	8.1	8.2	6.7	10.0	9.9	9.9	10.4	10.4
La.	16.9	10.9	12.7	13.7	13.9	13.4	22.9	16.3	15.5	16.0	16.4	14.6
Mass.	3.8	4.5	5.6	6.0	6.3	6.5	10.9	13.5	15.1	14.8	14.6	14.4
Mich.	¹⁶ 16.7	26.0	27.9	30.1	31.1	32.8	¹⁷ 9.8	11.3	10.9	11.6	11.5	11.6
Minn.	¹⁸ 13.2	12.4	¹⁹ 16.6	²⁰ 16.4	²¹ 16.6	²² 16.3	²³ 13.0	12.2	²⁴ 13.6	²⁵ 13.6	²⁶ 13.6	²⁷ 13.1
Miss.	12.1	16.5	26.6	27.0	27.7	27.7	7.7	10.4	11.9	11.7	11.7	12.1
Mo.	6.7	11.7	14.9	15.1	16.4	16.7	6.8	11.0	12.4	11.9	12.4	12.2
N.H.	²⁸ 61.0	97.9	101.6	103.7	114.6	103.5	²⁹ 166.7	199.7	171.6	169.8	172.1	147.4
N.J.	199.3	246.9	239.3	229.0	³⁰ 276.2	³¹ 266.6	7.8	9.2	8.2	7.8	³² 9.6	³³ 9.4
N.Y.	³⁴ 91.5	41.3	41.6	43.6	46.2	47.1	³⁵ 10.6	12.1	11.6	12.0	11.9	12.0
Pa.	13.3	17.3	19.3	20.3	21.1	22.1	6.8	8.3	8.4	8.5	8.6	8.7
R.I.	136.1	172.4	154.6	149.4	³⁶ 166.1	³⁷ 199.7	7.4	8.6	7.3	6.8	³⁸ 9.4	³⁹ 9.6
S.C.	2.4	3.4	4.7	6.1	6.1	6.0	9.0	11.2	13.4	12.6	12.4	12.3
Tenn.	6.1	10.6	8.7	10.3	10.7	11.7	6.6	13.6	11.2	11.5	11.9	12.8

¹Based on total population residing in area; population enumerated as of Apr. 1 for 1970, estimated as of July 1 for all other years. ²Includes 57,482 nonlicensed marriages registered in California for 1978, and 41,891 for 1979. ³Estimated. ⁴Incomplete. ⁵Marriage license.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and *Monthly Vital Statistics Report*.

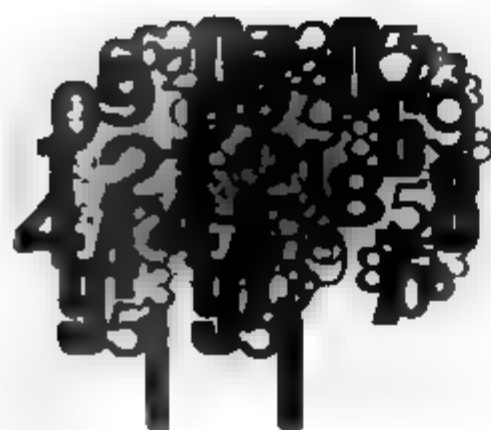
NO. 127. DIVORCES AND ANNULMENTS—NUMBER AND RATE, BY STATES: 1965 TO 1979

[By place of occurrence]

STATE	NUMBER (1,000)						RATE PER 1,000 POPULATION ¹					
	1965	1970	1975	1977	1978	1979	1965	1970	1975	1977	1978	1979
U.S. ²	476.0	709.0	1,086.0	1,091.0	1,199.0	1,191.0	2.6	3.8	5.9	6.0	6.2	6.4
NE	17.5	25.5	42.2	44.4	45.4	46.9	1.9	2.2	3.5	3.6	3.7	3.8
Maine	2.5	3.9	5.5	5.7	6.2	6.2	2.5	3.9	5.2	5.2	5.7	5.6
N.H.	1.6	2.4	4.2	4.4	4.7	5.2	2.3	3.3	5.2	5.2	5.4	5.9
Vt.	.8	1.0	1.9	2.1	2.1	2.3	1.6	2.3	4.1	4.4	4.2	4.6
Mass.	7.8	11.0	18.6	16.5	16.2	17.5	1.5	1.9	2.8	2.9	2.8	3.0
R.I.	1.2	1.7	2.7	3.4	3.5	3.6	1.3	1.8	2.9	3.7	3.7	3.9
Conn.	3.7	5.8	12.2	12.2	12.8	14.1	1.3	1.9	4.0	3.9	4.1	4.5
MA	30.4	59.9	110.0	114.2	122.9	127.8	.8	1.6	3.0	3.1	3.3	3.5
N.Y.	8.2	29.4	65.6	55.6	58.0	64.4	.5	1.4	3.1	3.1	3.3	3.7
N.J.	5.6	10.8	19.4	20.5	26.6	23.6	.8	1.5	2.7	2.8	3.6	3.2
Pa.	18.6	22.6	35.0	37.9	38.3	39.9	1.4	1.8	3.0	3.2	3.3	3.4
E.M.C.	³ 94.5	³ 129.9	³ 198.2	³ 197.3	211.0	214.7	³ 2.5	(8)	(8)	³ 4.9	5.1	5.2
Ohio	25.9	39.3	52.6	57.3	59.2	59.5	2.5	3.7	4.9	5.4	5.5	5.5
Ind.	³ 18.5	³ 15.2	³ 28.8	³ 33.3	³ 40.3	³ 41.5	³ 3.6	(8)	(8)	³ 6.3	³ 7.5	³ 7.7
Ill.	24.7	36.5	51.0	49.0	50.3	52.1	2.3	3.3	4.6	4.4	4.5	4.6
Mich.	20.3	30.0	40.8	43.0	45.0	44.1	2.4	3.4	4.5	4.7	4.9	4.8
Wis.	5.2	8.9	19.1	14.6	16.1	17.2	1.3	2.0	2.8	3.1	3.4	3.6
W.M.C.	33.4	48.2	70.1	78.3	75.1	77.8	2.1	3.0	4.2	4.3	4.4	4.5
Minn.	4.9	8.3	13.2	14.0	14.4	³ 14.9	1.4	2.2	3.4	3.5	3.6	³ 3.7
Iowa	5.3	7.2	10.3	10.9	11.1	11.4	1.9	2.5	3.6	3.8	3.8	3.9
Mo.	13.2	17.9	24.5	25.2	26.3	27.7	2.9	3.8	5.1	5.3	5.4	5.7
N. Dak.	7	1.0	1.7	2.0	2.1	2.1	1.1	1.6	2.7	3.0	3.2	3.2
S. Dak.	1.0	1.4	2.2	2.4	2.4	2.7	1.5	2.0	3.3	3.5	3.5	3.9
Nebr.	2.5	3.7	5.6	6.1	6.1	6.3	1.7	2.5	3.6	3.9	3.9	4.0
Kans.	5.8	8.8	12.6	12.6	12.7	12.7	2.6	3.9	5.5	5.4	5.4	5.4
S.A.	³ 72.3	106.1	174.8	182.0	191.4	202.4	³ 2.8	3.5	5.2	5.3	5.5	5.9
Del.	7	1.7	2.8	3.0	3.3	3.1	1.5	3.2	4.8	5.2	5.7	5.3
Md.	7.0	9.3	15.4	16.8	16.5	16.9	2.0	2.4	3.8	4.0	4.0	4.1
D.C.	1.3	2.3	3.8	3.2	3.4	4.5	1.7	3.0	5.3	4.6	5.1	6.8
Va.	8.0	11.9	19.5	21.5	22.7	23.6	2.0	2.6	3.9	4.2	4.4	4.5
W. Va.	3.9	5.8	8.6	9.8	9.7	10.0	2.1	3.2	4.8	5.2	5.2	5.3
N.C.	11.2	13.7	22.1	25.0	26.8	27.4	2.3	2.7	4.1	4.5	4.6	4.9
S.C.	3.0	5.8	9.7	10.7	11.9	13.7	1.2	2.3	3.4	3.7	4.1	4.7
Ge.	³ 12.0	16.8	29.5	31.0	31.6	33.4	³ 2.7	4.1	6.0	6.1	6.2	6.5
Fla.	25.3	37.2	63.4	62.4	65.6	69.7	4.4	5.5	7.6	7.4	7.6	7.9
E.S.C.	36.2	50.8	74.4	79.5	³ 90.5	³ 95.9	2.9	4.0	5.5	5.7	³ 6.9	³ 6.1
Ky.	8.3	10.7	14.5	15.5	³ 13.8	³ 16.0	2.8	3.3	4.3	4.5	³ 3.9	³ 4.5
Tenn.	11.1	16.8	24.8	27.4	26.4	29.7	2.9	4.1	5.9	6.4	6.6	6.8
Ala.	11.0	15.1	23.0	23.8	25.1	26.5	2.2	4.4	6.4	6.4	6.7	7.0
Miss.	5.7	8.2	12.3	12.8	13.3	³ 13.6	2.6	3.7	5.2	5.3	5.5	³ 6.6
W.S.C. ⁴	64.4	82.7	122.8	136.2	141.4	153.7	(8)	(8)	(8)	(8)	6.4	6.7
Ark.	6.6	³ 9.3	³ 16.7	³ 19.2	20.0	³ 20.3	3.4	³ 4.8	³ 7.9	³ 9.0	■	³ 9.3
La. ⁵	4.6	5.1	8.7	12.9	13.2	15.2	(8)	(8)	(8)	(8)	3.3	3.9
Okla.	11.9	³ 16.8	20.6	21.8	22.4	22.8	4.8	³ 6.8	7.6	7.8	7.9	7.9
Tex.	41.3	51.5	76.7	82.3	85.8	82.4	3.9	4.8	6.3	6.4	6.6	6.9
Mt.	³ 38.1	³ 48.8	70.7	77.3	78.2	80.9	³ 5.0	³ 5.8	7.2	7.7	7.5	7.8
Mont.	2.0	3.0	4.3	4.7	4.9	5.1	2.8	4.4	5.7	6.2	6.3	6.5
Idaho	2.8	3.8	5.2	6.0	6.4	6.4	4.1	5.1	6.3	7.0	7.2	7.1
Wyo.	1.4	1.8	2.8	3.1	3.1	3.5	4.3	5.4	7.6	7.6	7.4	7.8
Colo.	³ 6.7	10.4	15.7	20.8	16.6	16.5	³ 3.4	4.7	6.2	7.8	6.9	6.0
N. Mex.	³ 3.7	³ 4.4	8.4	9.1	9.6	10.0	³ 2.6	³ 4.3	7.3	7.7	7.9	8.0
Ariz.	8.6	³ 12.7	17.8	16.6	17.3	20.0	5.4	³ 7.2	7.9	7.2	7.3	8.2
Utah	2.9	3.9	6.1	6.9	7.1	7.6	2.9	3.7	5.1	5.5	5.4	5.6
Nev.	10.0	9.1	10.5	10.3	11.2	11.8	23.0	18.7	17.5	16.2	16.6	16.6
Pac.	88.5	144.7	177.8	183.4	184.5	180.8	2.7	5.5	6.3	6.3	6.2	6.3
Wash.	11.5	17.9	25.8	26.7	26.5	27.0	3.9	5.2	7.3	7.3	7.0	6.9
Oreg.	6.2	9.6	15.6	16.4	17.0	17.6	3.2	4.6	6.8	6.9	6.9	7.0
Calif.	69.8	112.9	126.5	132.2	132.9	137.7	3.8	5.7	6.1	6.0	6.0	6.1
Alaska	1.1	1.7	2.9	3.6	3.5	3.5	4.2	5.5	6.1	6.6	6.4	6.6
Hawaii	1.1	2.6	4.3	4.6	4.6	5.1	1.6	3.4	4.9	5.1	5.4	5.5

¹ Does not meet publication standards because reporting less than 80 percent complete. ² Based on total population residing in area; population enumerated as of Apr. 1 for 1970, estimated as of July 1 for all other years. ³ U.S. total includes estimates for States with reporting less than 80 percent complete; therefore, State data may not add to total. ⁴ Estimated. ⁵ Incomplete. ⁶ Includes divorce petitions filed for some counties. ⁷ Represents divorce petitions filed.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and *Monthly Vital Statistics Report*.



Section 3

Immigration and Naturalization

This section presents statistics related to immigration, naturalization, and alien registration. The principal source is the *Annual Report of the Immigration and Naturalization Service*, published by the Immigration and Naturalization Service (INS), a unit of the Department of Justice. Immigration statistics are prepared from entry visas and change of immigration status forms. Statistics for naturalization are compiled from periodic reports by Federal courts and specially designated State courts conducting such proceedings. Alien registration data are compiled from alien address report cards.

The collection of U.S. immigration statistics began under the Act of 1819. Data on persons arriving in ports were transmitted to the U.S. Secretary of State, who reported the information periodically to Congress. Subsequently, reports to the Secretary of State and to Congress were required by law, as well as the collection of data on immigrants arriving at land borders. Beginning in 1906, those arriving were divided into immigrants and nonimmigrants, depending on how long they intended to remain in the United States (see below).

Immigrants.—Immigrants are nonresident aliens (i.e., non U.S. citizens) admitted to the U.S. for permanent residence (one year or longer). The category includes persons who may have entered the U.S. as nonimmigrants or refugees, but who subsequently changed their status to that of a permanent resident. Generally, a 2-year time lag exists between the time persons are shown in data as nonimmigrants and the time they may be included as immigrants. A large increase of immigrants admitted to the U.S. in one year may have been due to an influx of refugees two or three years earlier. Thus, immigrants as measured in this section do not equal net civilian immigration as shown in table 7.

Nonimmigrants.—Nonimmigrants are nonresident aliens admitted to the United States for a temporary period. Included in this group are visitors for business and pleasure, students and their spouses and children, foreign government officials, exchange visitors and their spouses and children, international representatives, treaty traders and investors, representatives of foreign information media, fiancées(ees) of U.S. citizens and their children, officials of the North Atlantic Treaty Organization (NATO), aliens in transit, and, for statistical purposes, permanent resident aliens returning after short trips abroad. Excluded are border crossers, crewmen, and insular travelers. Certain temporary admissions such as of persons in possession of border-crossing identification cards are not included in the nonimmigrant totals.

Quota and nonquota immigrants.—In 1921, Congress enacted the first numerical ceiling on immigration (357,000 per year) into the United States, although it applied only to Eastern Hemisphere countries and their dependencies. The 1921 Act also required that immigrants be classified as quota and nonquota immigrants. Quota immigrants were subject to congressionally mandated quotas for Eastern Hemisphere countries and their dependencies. Nonquota immigrants included natives of the Western Hemisphere and their spouses and children, immediate relatives of U.S. citizens, and certain groups of special immigrants.

Between 1929 and 1966 quotas were determined by the "national origins" formula which provided that the annual quota equal one-sixth of one percent of the number of White inhabitants in the continental United States in 1920, less Western Hemisphere immigrants and their descendants. The annual quota for each nationality was then determined by the same ratio to 150,000 as the number of inhabitants of each nationality living in the continental United States in 1920 to the total inhabitants, although a minimum quota for any nationality was 100.

The Act of 1965, which became fully effective in July 1968, abolished the quota system and set up an annual numerical limitation of 170,000 immigrants from the Eastern Hemisphere, with no more than 20,000 immigrants to come from any one country; a numerical limitation of 120,000 per year was imposed on Western Hemisphere immigration, which had previously been unrestricted.

The 1965 Act thereby gave persons from every country within each hemisphere an equal chance to immigrate to the United States. After 1968 immigrants were classified as those subject to numerical limitations of the Eastern Hemisphere and of the Western Hemisphere, and those exempt from numerical limitations (see table 129). Those exempt include immediate relatives of U.S. citizens and various classes of special immigrants.

For immigrants subject to numerical limitations, numbers are allocated on a basis of seven preference categories, four of which provide for reunion of families of U.S. citizens and resident aliens, two for specified workers needed in the United States, and one for refugees. Numbers not used by these seven preferences are then available to qualified nonpreference immigrants. From 1968 to December 1976 preference classifications were applied only to immigrants from the Eastern Hemisphere. Beginning 1977 Western Hemisphere immigrants were also subject to preference and nonpreference classifications. Effective October 1978 the separate hemisphere limits were abolished in favor of a worldwide limit of 290,000.

Displaced persons and refugees.—The Displaced Persons Act of 1948 was the first of a number of special acts passed to provide for the admission of refugees from Communist-dominated countries, victims of natural calamities, and orphans, without regard to quotas or the numerical ceilings specified above.

Status of Cubans.—Effective November 1966, Cubans admitted or paroled (i.e., admitted without an immigration visa) into the United States after January 1, 1959, and present in the United States for at least 2 years, may obtain permanent resident status. A court decision in September 1976 exempted Cuban refugees from numerical limitations, retroactive to 1968.

Status of Indochinese.—Effective October 28, 1977, refugees from Vietnam, Laos, or Cambodia were eligible to apply for permanent resident status. Public Law 95-145 provided that Indochinese paroled into the United States after March 31, 1975, or physically present on that date, may become permanent residents after living for at least 2 years in the United States.

Alien registration.—All aliens in the United States on January 1 must report their current address each year to the U.S. Attorney General during January.

Most aliens acquire U.S. citizenship under the general provisions of the Immigration and Nationality Act of 1952, as amended. As specified by that Act, the requirements a prospective citizen must meet relate to residency, language proficiency, moral character, loyalty to the United States, attachment to the principles of the Constitution, etc. Spouses and children of U.S. citizens can be naturalized under less stringent conditions. In certain cases, an administrative, judicial, legislative, or executive waiver of the requirements may be obtained. Naturalization statistics are also maintained by INS.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 128. IMMIGRATION: 1820 TO 1979

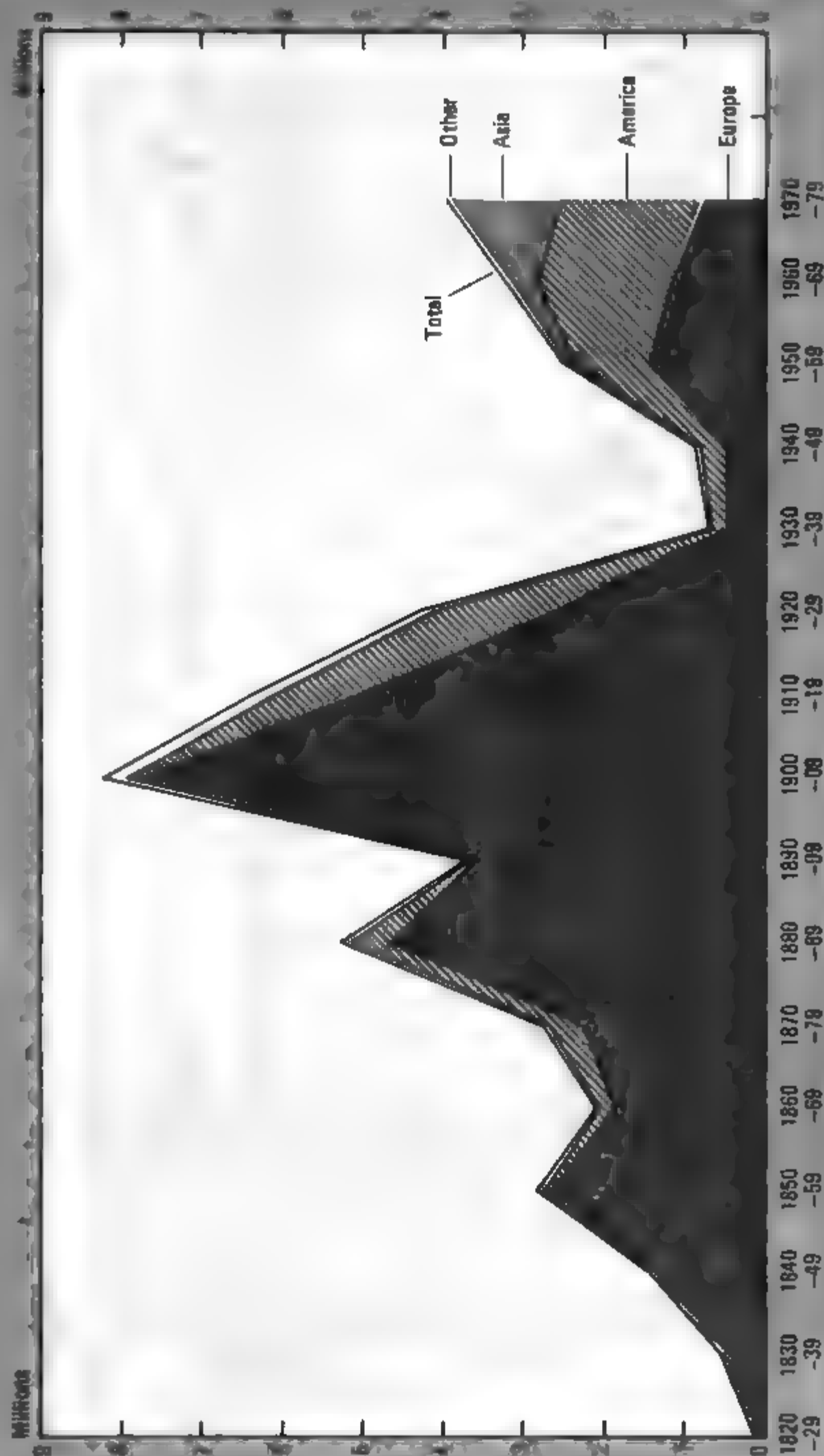
[In thousands, except rate. Through 1976, for years ending June 30, except as noted; beginning 1977, ending Sept. 30. For definition of immigrants, see text, pp. 85-86. For 1820-1867, alien passengers arriving; 1868-1891 and 1895-1897, immigrants arriving; 1892-1894 and 1898 to the present, immigrants admitted. Rates based on Bureau of the Census estimates as of July 1 for resident population through 1929, and for total population thereafter (excluding Alaska and Hawaii prior to 1959). See also *Historical Statistics, Colonial Times to 1970*, series C 89]

PERIOD	TOTAL		PERIOD OR YEAR	TOTAL		YEAR	TOTAL	
	Num-ber	Rate ¹		Num-ber	Rate ¹		Num-ber	Rate ¹
1820-1979.....	48,124	3.8	1911-1920	5,736	5.7	1969.....	359	1.6
1820-1830 ²	152	1.2	1921-1930	4,107	3.5	1970.....	373	1.6
1831-1840 ³	599	3.9	1931-1940	528	.4	1971.....	370	1.8
1841-1850 ⁴	1,713	8.4	1941-1950	1,035	.7	1972.....	365	1.8
1851-1860 ⁴	2,598	9.3	1951-1960	2,515	1.5	1973.....	400	1.9
1861-1870 ⁵	2,315	6.4	1961-1970	3,322	1.7	1974.....	395	1.9
1871-1880	2,812	6.2	1971-1979	3,962	2.1	1975.....	388	1.8
1881-1890	5,247	9.2	1965.....	297	1.5	1976.....	399	1.9
1891-1900	3,688	5.3	1966.....	323	1.6	1977.....	462	2.1
1901-1910	8,795	10.4	1967.....	362	1.8	1978.....	601	2.8
			1968.....	454	2.3	1979.....	460	2.1

¹ Annual rate per 1,000 U.S. population, 10-year rate computed by dividing sum of annual immigration totals by sum of annual U.S. population totals for same 10 years. ² Oct. 1, 1819-Sept. 30, 1830. ³ Oct. 1, 1830-Dec. 31, 1840. ⁴ Calendar years. ⁵ Jan. 1, 1861-June 30, 1870.

Source: U.S. Immigration and Naturalization Service, *Annual Report*, and releases.

Figure 3.1
Immigrants by Continent: 1820 to 1979



No. 129. IMMIGRANTS ADMITTED, BY CLASSES: 1930 TO 1979

[For years ending June 30 except, beginning 1977, ending September 30. For definition of immigrants, see text, pp. 85-86. See also *Historical Statistics, Colonial Times to 1970*, series C 143-157]

CLASS OF ADMISSION	1930	1940	1950	1955	1960	1965	1967
Annual quota	153,714	153,774	154,206	154,657	154,657	158,261	158,261
Immigrants admitted.....	241,700	70,756	246,167	237,700	265,398	296,897	361,972
Natives of Eastern Hemisphere	141,497	51,997	197,460	82,232	101,373	99,381	153,079
Natives of Western Hemisphere	63,147	11,965	33,238	94,274	91,701	153,199	151,034
Immediate relatives of U.S. citizens	32,105	5,474	16,275	30,882	34,215	32,714	46,903
Other	4,951	1,300	2,214	30,402	38,109	11,403	10,956
	1970	1974	1976	1976	1977	1978	1978
Immigrants, total.....	373,326	394,861	386,194	398,613	462,315	601,442	460,348
Percent of aliens admitted	7.8	5.4	5.2	4.9	5.4	6.0	(NA)
Subject to Eastern Hemisphere limitations.....	172,547	159,059	160,460	168,204	170,161	165,743	279,478
Subject to Western Hemisphere limitations.....	114,736	115,072	121,101	118,569	108,339	175,361	
Exempt from numerical limitations.....	88,043	120,730	104,633	113,840	185,815	260,338	
Subject to limitations ¹	287,283	274,131	281,561	284,773	276,500	341,104	279,478
Relative preferences	92,432	94,915	95,945	102,007	130,784	190,297	213,729
Unmarried sons and daughters of U.S. citizens and their children (1st preference).....	1,069	932	671	931	1,473	3,692	5,107
Spouses, unmarried sons and daughters of resident aliens, and their children (2d preference)....	30,714	43,920	43,077	44,339	54,914	77,747	100,661
Married sons and daughters of U.S. citizens (4th preference) ²	8,350	3,404	3,623	4,077	4,818	11,404	15,714
Brothers and sisters of U.S. citizens (5th preference) ²	52,279	48,659	48,374	52,660	69,579	97,454	92,227
Occupational preferences	34,016	28,482	29,334	26,361	23,585	30,877	37,709
Immigrants in professions (3d preference)	10,142	7,763	8,363	8,318	6,554	5,287	5,075
Other workers (6th preference)	8,786	6,420	6,724	4,792	4,673	8,888	11,623
Their spouses and children.....	15,068	14,299	14,247	13,251	12,358	16,702	21,011
Conditional entrants (7th preference).....	9,863	9,076	9,129	11,907	9,575	10,309	13,079
Nonpreference (incl. private bill cases).....	36,058	26,475	25,961	25,775	77,358	54,120	1,541
Natives of Western Hemisphere, their spouses and children.....	102,529	99,800	96,547	91,319	34,115	55,411	13,413
Cuban Refugee Act (Act of Nov. 1966) ³	12,207	15,272	24,554	27,250	952	(x)	(x)
Other	178	111	91	154	131	90	7
Exempt from numerical limitations.....	88,043	120,730	104,633	113,840	185,815	260,338	180,870
Immediate relatives	79,213	104,844	91,504	102,019	105,957	125,819	138,178
Wives of U.S. citizens.....	36,276	40,274	33,719	37,856	36,104	49,151	46,902
Husbands of U.S. citizens	15,619	27,284	21,901	22,234	26,105	26,906	33,679
Children of U.S. citizens	18,095	24,758	22,315	23,889	22,572	23,917	25,679
Orphans adopted abroad.....	(NA)	4,770	5,633	6,552	6,493	1,326	1,195
Parents of U.S. citizens	9,223	12,528	13,569	18,040	21,176	23,845	31,718
Cuban Refugee Act ³	(x)	(x)	(x)	(x)	67,958	28,296	11,376
Indochinese Act, Oct. 1977	(x)	(x)	(x)	(x)	(x)	94,148	20,666
Special immigrants	6,342	6,964	7,060	5,961	6,204	5,962	5,913
Ministers of religion ³	1,497	1,416	1,231	1,368	1,301	1,307	1,368
Employees of the U.S. Government abroad ³	290	1,176	1,622	449	692	591	969
Children born abroad to resident aliens or subsequent to issuance of visa	3,012	3,477	3,636	3,405	3,550	3,625	3,294
Aliens adjusted ⁴	1,543	895	591	739	661	439	262
Spouses of U.S. citizens and their children, Act of April 7, 1970.....	9	7,885	5,057	5,014	5,598	6,006	4,647
Others not subject to numerical limitation	479	1,037	992	846	96	109	68

NA Not available. X Not applicable.
¹ From 1970 to December 1978 preference classifications were applied only to Eastern Hemisphere immigrants; see text, pp. 85-86. ² Includes spouses and children. ³ See text, Status of Cubans, p. 86. As of Jan. 1977, Act of Nov. 1966 not subject to numerical limitations. ⁴ Under sections 244 and 249, Immigration and Naturalization Act.
Source: U.S. Immigration and Naturalization Service, *Annual Report*.

NO. 130. IMMIGRANTS, BY COUNTRY OF LAST PERMANENT RESIDENCE: 1920 TO 1979

(In thousands, except percent. For years ending June 30 except, beginning 1977, ending September 30. For definition of immigrants, see text, pp. 85-86. Data prior to 1900 refer to country from which aliens came. Because of boundary changes and changes in list of countries separately reported, data for certain countries not comparable throughout. See also *Historical Statistics, Colonial Times to 1970*, series C 89-119.)

COUNTRY	1920-1979, total	1951-1960, total	1961-1970, total	1971-1979, total	1975	1976	1977	1978	1979	PERCENT		
										1920-1979	1951-1970	1971-1979
Total	46,124	2,518.5	3,321.7	3,982.5	399.2	399.8	402.3	401.4	409.3	100.0	100.0	100.0
Europe	26,267	1,325.8	1,123.4	728.2	72.9	73.0	74.0	76.2	64.2	73.8	23.8	16.4
Austria ¹	4,316	57.1	20.6	9.1	.5	.5	.8	.8	.5	6.8	.5	.2
Hungary		36.6	5.4	5.8	.6	.6	.5	.6	.5		.2	.1
Belgium	204	18.6	9.2	4.7	.4	.5	.5	.6	.6	.4	.3	.1
Czechoslovakia	136	.8	8.3	5.0	.3	.3	.3	.4	.5	.3	.1	.1
Denmark	364	11.0	9.2	3.9	.3	.4	.4	.4	.4	.7	.3	.1
Finland	33	4.9	4.2	2.3	.2	.2	.2	.3	.3	.1	.1	.1
France	734	51.1	48.2	22.7	1.8	2.0	2.7	2.7	2.9	1.5	1.4	.6
Germany ¹	6,985	477.8	190.8	57.9	5.9	5.6	7.4	7.6	7.2	14.2	5.7	1.7
Great Britain ²	4,914	195.5	210.0	121.5	12.2	13.0	14.0	16.4	15.5	10.0	6.3	3.1
Greece	661	47.6	69.0	67.7	9.8	8.6	7.8	7.0	5.9	1.3	2.6	2.2
Ireland ³	4,724	57.3	37.5	10.8	1.1	1.0	1.0	.9	.8	9.6	1.1	.3
Italy	5,300	185.5	214.1	123.9	11.0	8.0	7.4	7.0	6.0	10.8	6.4	3.1
Netherlands	360	52.3	30.6	9.5	.8	.9	1.0	1.2	1.2	.7	.9	.2
Norway	656	22.9	16.5	3.5	.4	.3	.3	.4	.4	1.7	.5	.1
Poland ⁴	520	10.0	53.5	32.5	3.5	3.2	3.3	4.5	3.9	1.1	1.6	.8
Portugal	463	19.6	76.1	93.3	11.3	11.0	10.0	10.5	7.1	.9	2.3	2.4
Soviet Union ^{1*}	3,876	.8	2.3	28.4	4.7	7.4	6.4	4.7	1.9	8.9	.1	.7
Spain	262	7.8	44.7	37.4	2.6	2.3	5.6	4.3	3.3	.5	1.3	.9
Sweden	1,273	21.7	17.1	5.8	.6	.6	.6	.6	.8	2.6	.5	.1
Switzerland	260	17.7	18.6	7.7	.7	.8	.8	.9	.9	.7	.8	.2
Yugoslavia	116	6.2	20.4	26.5	2.9	2.3	2.3	2.2	1.9	.2	.8	.7
Other Europe	310	10.8	9.2	16.4	1.3	2.0	2.0	2.5	1.8	.6	.3	.4
Asia	8,098	163.3	437.8	1,362.1	129.3	146.7	160.8	243.6	193.0	6.2	12.9	34.1
China ⁵	540	9.7	34.8	95.7	9.2	9.9	12.5	14.5	12.3	1.1	1.0	2.4
Hong Kong	200	15.6	76.0	109.5	12.5	13.7	12.3	11.1	16.6	.4	2.3	2.6
India	182	2.0	27.2	141.4	14.3	16.1	16.8	19.1	16.6	.4	.8	3.6
Iran	48	3.4	10.3	34.9	2.2	2.6	4.2	5.9	6.3	.1	.3	.9
Israel	90	25.6	29.6	34.2	3.5	5.2	4.4	4.5	4.3	.2	.9	.8
Japan	411	46.3	40.0	45.4	4.8	4.6	4.6	4.5	4.5	.8	1.2	1.1
Jordan	41	6.8	11.7	24.0	2.3	2.4	2.9	3.2	3.2	.1	.3	.6
Korea	276	6.2	34.5	236.4	28.1	30.6	30.7	28.8		.6	1.0	5.9
Lebanon	56	4.5	16.2	37.3	4.0	5.0	5.5	4.8	4.8	.1	.5	.8
Philippines ⁶	431	19.3	98.4	312.7	31.3	36.8	36.5	36.6	40.6	.9	3.0	7.9
Turkey	396	3.6	10.1	11.1	1.1	1.0	1.0	1.0	1.3	.8	.3	.3
Vietnam	133	2.7	4.2	129.3	2.7	2.4	3.4	67.6	19.1	.3	.1	3.3
Other Asia	244	9.0	36.7	140.3	13.2	16.2	14.1	22.0	20.3	.5	1.2	3.5
Americas	9,246	966.8	1,716.4	1,776.3	174.7	166.2	223.2	266.5	197.1	18.8	51.7	44.8
Argentina	87	19.5	49.7	27.2	2.6	2.7	3.1	4.1	3.1	.2	1.5	.7
Brazil	59	13.8	29.3	16.4	1.4	1.4	1.9	2.2	1.8	.1	.9	.4
Canada	4,125	376.0	413.3	156.2	11.2	11.4	16.0	23.5	20.2	6.4	12.4	3.9
Colombia	156	16.0	72.0	66.0	6.4	5.7	6.2	10.9	10.5	.3	2.2	1.7
Cuba	539	76.9	206.5	249.7	25.6	28.4	66.1	27.5	14.0	1.1	6.3	6.3
Dominican Republic	236	9.6	93.3	130.8	14.1	12.4	11.8	19.5	17.5	.5	2.6	3.3
Ecuador	91	8.8	36.8	44.0	4.7	4.5	5.2	5.7	4.4	.2	1.1	1.1
El Salvador	80	6.9	15.0	28.4	2.4	2.4	4.4	5.9	4.5	.1	.4	.7
Guatemala	44	4.7	15.8	22.2	1.9	2.0	3.7	4.1	2.6	.1	.5	.6
Haiti	69	4.4	34.5	49.6	5.0	5.3	5.2	6.1	6.1	.2	1.0	1.3
Honduras	97	6.0	15.7	14.6	1.4	1.9	1.8	2.7	2.5	.2	.5	.4
Mexico	2,177	299.6	463.8	583.7	62.8	58.4	44.6	62.7	52.5	4.4	13.7	14.7
Panama	51	11.7	19.4	19.9	1.7	1.6	2.5	3.3	3.5	.1	.6	.6
Peru	52	7.4	19.1	25.1	2.3	2.6	3.9	5.1	4.0	.1	.6	.8
Other West Indies	769	29.6	133.9	237.4	22.3	19.6	27.1	34.6	33.5	1.5	4.0	6.0
Other America	695	99.2	106.2	106.9	6.9	9.3	16.1	16.6	16.4	1.4	3.2	2.7
Africa	142	14.1	29.6	66.7	6.9	6.7	9.6	10.3	11.2	.3	.9	1.7
Australia and New Zealand	123	11.6	19.6	31.6	1.8	3.1	2.5	2.9	2.6	.3	.6	.6
All other	398	14.0	5.7	15.8	1.8	1.9	2.2	2.3	2.3	.9	.2	.4

¹ 1939-1945, Austria included with Germany; 1969-1919, Poland included with Austria-Hungary, Germany, and Soviet Union.

² Beginning 1952, includes data for United Kingdom not specified, formerly included with "Other Europe." ³ Comprises Elie and Northern Ireland. ⁴ Europe and Asia. ⁵ Beginning 1957, includes Taiwan. ⁶ Prior to 1951, included with "Other Asia."

⁷ Prior to 1951, Philippines included with "All other." ⁸ Prior to 1953, data for Vietnam not available. ⁹ Prior to 1951, included with "Other America." ¹⁰ Prior to 1951, included with "Other West Indies."

Source: U.S. Immigration and Naturalization Service, *Annual Report*.

No. 131. IMMIGRANTS, BY COUNTRY OF BIRTH: 1951 TO 1979

(In thousands. For years ending June 30 except, beginning 1977, ending September 30. For definition of immigrants, see text, pp. 85-86. See heading, table 130 for statement on boundary changes.)

COUNTRY OF BIRTH	1951-1960, total	1961-1970, total	1971-1979, total	1970	1975	1976	1977	1978	1979	PERCENT	
										1961-1970	1971-1979
All countries	2,516.8	3,321.7	3,982.25	372.3	396.2	396.8	402.3	401.4	400.3	100.0	100.0
Europe¹	1,462.2	1,236.6	726.2	116.0	74.0	72.4	70.0	73.2	60.8	37.3	15.0
Austria	29.7	13.7	4.3	.9	.4	.3	.4	.5	.4	.4	.1
Belgium	12.9	6.5	3.6	.5	.3	.4	.4	.4	.4	.3	.1
Czechoslovakia	28.8	21.4	9.1	4.5	.5	.8	.6	.7	.8	.8	.1
Denmark	13.7	11.8	4.0	.6	.4	.4	.4	.4	.4	.4	.1
Finland	6.7	6.8	3.7	.5	.3	.3	.3	.4	.3	.2	.1
France	36.0	34.3	15.8	2.5	1.4	1.5	1.6	1.8	1.7	1.0	.4
Germany	345.5	200.0	59.4	9.7	5.2	5.8	6.4	6.7	6.3	6.0	1.5
Greece	46.4	90.2	86.9	16.5	10.0	6.4	7.8	7.0	5.1	2.7	2.2
Hungary	64.5	17.3	10.8	1.8	.9	.9	■	■	.9	.5	.3
Ireland	64.4	42.4	13.2	1.6	1.3	1.2	1.2	1.2	1.0	1.3	.3
Italy	186.0	206.7	124.7	25.0	11.6	6.4	7.5	7.4	6.2	6.2	3.1
Netherlands	47.2	27.8	9.5	1.5	.8	.9	1.0	1.2	1.1	.8	.2
Norway	24.7	16.4	4.9	.5	.4	.3	.3	.4	.4	.5	.1
Poland	128.0	73.3	38.7	3.8	3.9	3.8	4.0	5.1	4.4	2.2	1.0
Portugal	20.4	79.3	96.0	13.2	11.6	10.5	9.7	10.4	7.1	2.4	2.4
Romania	17.4	14.9	15.6	1.8	1.2	2.2	2.0	2.0	1.6	.4	.4
Soviet Union	46.5	15.7	32.5	.9	5.1	8.2	5.7	5.2	2.5	.5	.8
Spain	10.7	30.5	26.0	4.1	2.5	2.3	2.6	2.3	1.9	.9	.7
Sweden	16.9	16.7	5.8	.7	.5	.5	.6	.8	.8	.5	.1
Switzerland	17.2	16.3	5.1	1.1	.5	.5	.6	.6	.7	.5	.1
United Kingdom	206.9	230.5	106.0	14.2	10.8	11.4	12.5	14.2	13.9	8.9	2.7
Yugoslavia	66.7	46.2	40.0	8.6	9.5	2.8	2.8	2.8	2.2	1.4	1.0
Asia¹	167.1	445.3	1,387.8	94.9	132.4	148.9	167.8	246.8	186.3	12.4	36.3
China ¹	32.7	96.7	176.0	14.1	16.5	18.6	20.0	21.3	24.3	2.9	4.4
Hong Kong	3.1	25.8	43.7	3.9	4.9	5.8	5.8	5.2	4.1	.8	1.1
India	3.1	■	154.1	10.1	15.8	17.5	18.6	20.8	19.7	.9	3.9
Iran	2.5	10.4	35.8	1.8	2.3	2.7	4.3	5.9	6.5	.3	.9
Iraq	1.4	6.4	20.9	1.2	3.0	3.4	2.8	2.2	2.9	.2	.5
Israel	6.6	12.9	23.0	2.0	2.1	3.0	3.0	3.3	3.1	.4	.6
Japan	44.7	36.5	41.4	4.5	4.3	4.3	4.2	4.0	4.0	1.2	1.0
Jordan	5.1	14.0	25.6	2.8	2.6	2.6	2.9	3.1	3.4	.4	.8
Korea	7.0	35.8	239.6	9.3	26.4	30.8	30.9	29.3	29.2	1.1	6.0
Lebanon	3.2	7.5	29.8	1.9	2.1	2.8	5.7	4.6	4.6	.2	.8
Philippines	17.2	101.5	318.0	31.2	31.8	37.3	36.1	37.2	41.3	3.1	6.0
Thailand	(NA)	5.0	39.9	1.8	4.2	6.9	3.9	3.6	3.2	.2	1.0
Turkey	2.4	6.8	16.6	2.1	1.6	1.7	1.8	1.6	1.8	.2	.4
Vietnam	2.0	4.6	136.0	1.5	3.0	3.0	4.6	66.5	22.5	.1	3.4
North America¹	769.1	1,361.1	1,480.2	129.1	146.7	142.3	167.3	220.8	157.6	40.7	37.4
Canada	274.9	286.7	101.2	13.8	7.3	7.6	12.7	16.9	13.8	8.8	2.6
Mexico	319.3	443.3	580.8	44.5	62.2	57.9	44.1	62.4	52.1	13.3	14.7
West Indies ¹	122.8	519.5	686.5	61.4	67.4	66.8	114.0	61.4	74.1	15.6	17.3
Barbados	1.6	9.4	16.3	1.8	1.6	1.7	2.8	3.0	2.5	.3	.5
Cuba	76.3	256.8	261.8	16.3	26.0	29.2	69.8	29.8	15.6	7.7	6.6
Dominican Republic	9.8	94.1	130.8	10.8	14.0	12.5	11.7	19.5	17.5	2.8	3.3
Haiti	4.0	37.6	62.0	6.9	5.1	5.4	5.4	6.5	6.4	1.1	1.3
Jamaica	6.7	71.0	123.1	15.0	11.1	9.0	11.5	19.3	19.7	2.1	3.1
Trinidad and Tobago	1.6	24.6	66.5	7.4	6.0	4.8	6.1	6.0	5.2	.7	1.4
Central America¹	44.6	97.7	111.4	9.3	9.7	9.9	16.5	20.2	17.5	2.9	2.8
El Salvador	4.6	15.0	26.3	1.7	2.4	2.4	4.4	5.6	4.5	.5	.7
Guatemala	4.1	15.4	21.9	2.1	1.9	2.0	3.6	4.0	2.6	.5	.6
Panama	9.7	16.4	19.2	1.6	1.7	1.7	2.4	3.1	3.5	.6	.5
South America¹	72.2	236.3	244.7	22.6	23.0	22.7	33.8	41.8	36.3	6.9	6.2
Argentina	14.3	42.1	22.3	3.4	2.2	2.3	2.8	3.7	2.9	1.3	.6
Brazil	8.9	20.5	12.1	1.9	1.1	1.0	1.5	1.9	1.5	.6	.3
Colombia	17.6	70.3	66.2	6.6	6.4	5.7	6.3	11.0	10.6	2.1	1.7
Ecuador	9.5	37.0	44.0	4.4	4.7	4.6	6.3	5.7	4.4	1.1	1.1
Guyana	1.0	7.1	39.1	1.8	3.2	3.3	5.7	7.6	7.0	.2	1.0
Peru	6.7	18.6	24.9	.9	2.3	2.6	3.9	5.2	4.1	.6	.6
Africa	18.6	36.3	77.3	8.1	6.7	7.7	10.1	11.6	12.8	1.3	2.0
Egypt	3.7	17.2	22.5	4.9	1.7	1.8	2.3	2.6	3.2	.5	.6
Australia	3.7	9.9	12.9	1.7	1.1	1.4	1.4	1.6	1.4	.8	.3
New Zealand	1.9	3.7	5.3	.6	.4	.4	.8	.6	.8	.1	.1
Other countries	5.8	5.6	16.1	■	1.6	2.8	2.1	2.1	2.8	.2	.4

NA Not available. Includes countries not shown separately. ¹Includes Taiwan.

Source: U.S. Immigration and Naturalization Service, Annual Report, and releases.

NO. 132. IMMIGRANTS, BY SELECTED CHARACTERISTICS: 1951 TO 1979

[In thousands, except as indicated. Through 1976, for years ending June 30; beginning 1977, ending Sept. 30. For definition of immigrants, see text, pp. 85-86; for definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series C 120-142]

CHARACTERISTIC	1951- 1955, total	1951- 1976, total	1971- 1976, total	1976	1979	1977	1976	1976	PERCENT	
									1951- 1976	1971- 1976
Total	2,815	3,322	3,982	386.2	386.6	462.3	691.4	469.3	100.0	100.0
Male	1,850	1,408	1,859	180.7	184.8	218.4	286.4	219.5	44.9	49.9
Married	368	651	913	86.7	92.6	112.2	136.1	105.5	19.6	23.0
Single	467	816	925	90.1	89.4	100.6	148.8	110.8	24.6	23.3
Other	24	21	24	1.9	2.6	3.6	3.7	3.2	.6	.6
Female	1,014	1,834	2,103	205.5	213.8	245.9	315.1	249.8	55.2	53.1
Married	501	853	1,156	112.2	118.8	135.8	189.9	130.7	26.6	29.2
Single	451	858	845	83.5	83.1	83.9	129.7	97.2	25.8	21.3
Other	63	95	104	9.8	11.9	16.4	16.5	12.9	2.9	2.6
Males per 1,000 females	850	811	864	878	864	860	908	912	(x)	(x)
Age:										
Under 15 years	575	847	1,035	105.4	102.2	108.2	153.0	110.9	25.5	28.1
15-44 years	1,596	2,018	2,347	226.0	234.0	286.9	359.7	277.0	80.7	59.3
45 years and over	343	457	581	54.8	62.3	67.2	86.8	72.5	13.8	14.6
Median age (year)	25.8	25.2	25.0	25.4	26.0	27.1	26.2	26.3	(x)	(x)
Occupation: ¹										
Professional, tech., and kindred	184	337	386	36.5	41.1	45.0	48.9	38.5	10.1	10.3
Managers and administrators ²	53	88	115	10.0	11.8	17.4	20.9	18.9	2.0	2.9
Sales workers	(?)	(?)	34	3.4	3.9	5.6	6.5	5.0	(?)	.7
Clerical and kindred workers	197	246	185	14.1	14.9	20.5	27.3	21.1	7.4	4.1
Craftsmen and kindred workers	196	207	194	20.6	18.8	21.3	27.8	20.3	6.2	4.0
Operatives, except transport	166	162	219	16.4	20.9	30.5	42.4	26.8	4.9	5.6
Transport equipment operatives	(?)	(?)	23	2.9	3.2	4.0	4.9	4.4	(?)	.6
Laborers, except farm	133	129	143	13.0	12.1	12.2	22.8	13.8	3.9	3.6
Farmers and farm managers	49	26	8	.9	1.4	.6	.5	.6	.7	.2
Farm laborers and farm foremen	43	67	70	6.3	6.2	6.9	11.1	9.6	1.7	1.7
Service workers exc. pvt. household	70	106	150	15.5	14.0	16.8	25.0	16.3	3.3	3.9
Private household workers	94	127	82	6.9	6.8	6.5	10.5	8.6	3.8	2.1
No occupation ³	1,329	1,967	2,577	236.6	243.6	273.6	362.7	275.4	54.9	60.6

X Not applicable. ¹1954-1960. ²Beginning 1974, based on Bureau of the Census 1970 index of occupations; prior years based on 1950 and 1960 indexes. The occupations contained in the major groups are, therefore, not necessarily identical to the groupings of prior years. See Section 21-Science for data on scientists, engineers, and physicians.

³Except farm. ⁴Sales workers included in "Clerical and kindred workers."

⁵Transport equipment operatives included in "Operatives, except transport."

⁶Includes dependent women and children, and other aliens without occupation or occupation not reported.

NO. 133. IMMIGRANTS ADMITTED AS PERMANENT RESIDENTS UNDER REFUGEE ACTS, BY COUNTRY OF BIRTH: 1954 TO 1979

[For years ending June 30 except, beginning 1977, ending September 30. Covers immigrants who were allowed to enter U.S. under 1953 Refugee Relief Act and later acts; Hungarian parolees under July 1956 Act; refugee-escapees parolees under July 1960 Act; conditional entries by refugees under Oct. 1965 Act; Cuban parolees under Nov. 1966 Act; and beginning 1976, Indochina refugees under Act of Oct. 1977]

COUNTRY OF BIRTH	1954- 1976, total	1951- 1976, total	1971- 1977, total	1976	1979	COUNTRY OF BIRTH	1954- 1976, total	1951- 1976, total	1971- 1977, total	1976	1979
Total	918,842	212,719	272,516	122,781	45,126	Asia ¹	196,216	19,397	22,698	96,689	26,976
Europe ¹	337,867	55,914	46,928	7,268	4,355	China ²	28,895	5,300	9,093	1,064	932
Austria	5,725	239	140	14	12	Indonesia	15,896	7,656	61	30	7
Bulgaria	3,607	1,799	936	97	107	Japan	4,371	554	12	9	8
Czechoslovakia	11,866	5,706	2,441	247	326	Kampuchea	4,973	-	-	3,607	1,385
Germany	22,108	895	110	14	7	Korea	4,486	1,315	10	39	5
Greece	19,358	586	296	28	40	Laos	7,734	-	-	4,259	3,475
Hungary	52,456	4,044	3,482	332	285	Vietnam	108,615	5	1,365	86,777	20,461
Italy	60,406	1,196	316	13	3	Other Asia	23,345	4,375	11,255	574	1,798
Netherlands	17,428	3,134	9	-	-	North America	374,668	131,856	200,749	26,473	12,346
Poland	20,993	3,197	3,419	606	876	Cuba	371,992	131,448	200,116	26,299	12,130
Portugal	5,010	1,391	13	4	-	Other N. America	2,074	507	633	174	110
Romania	17,967	7,156	3,868	1,070	699	South America	863	121	889	180	89
Soviet Union	26,334	665	15,314	4,342	1,791	Africa	9,418	5,499	1,544	227	414
Spain	9,482	4,105	4,733	318	116	Other	172	36	16	14	1
Yugoslavia	50,029	18,299	11,190	44	22						
Other Europe	13,216	3,561	561	127	66						

- Represents zero. ¹Through 1970, Turkey included in Europe; thereafter, included in Asia. ²Includes Taiwan.

Source of tables 132 and 133: U.S. Immigration and Naturalization Service, *Annual Report*, and releases.

No. 134. INDOCHINA REFUGEES, 1975 TO 1981, AND BY CHARACTERISTICS, 1981

(Number of refugees present as of Dec. 31, except as noted. Includes only refugees resettled in U.S. See text, status of Indochinese, p. 86)

YEAR	Number (1,000)	CHARACTERISTIC, 1981 REFUGEES	Number (1,000)	Percent
1975, total refugees	¹ 123.3	Total refugees	121.3	100.0
1976, total refugees	144.1	Male	68.1	56.9
1977, total refugees	148.4	Female	52.2	43.1
1978, total refugees	177.1	Age: Under 6 years	17.0	14.0
1979, total refugees	289.2	6-17 years	36.0	29.7
1980, total refugees	444.6	18-24 years	27.1	22.4
1981, total refugees	² 585.8	25-44 years	32.5	28.8
		45-62 years	6.8	5.6
		63 years and over	1.9	1.6

¹Covers period from April 18, 1975 to Dec. 10, 1975.

²As of Dec. 31, 1981, an additional 582,500 were resettled in other countries.

Source: 1975, U.S. Dept. of State, Interagency Task Force for Indochina, *Report to the Congress*; 1976-1978, U.S. Dept. of Health, Education, and Welfare, Task Force for Indochina, *Report to the Congress*; thereafter, U.S. Dept. of Health and Human Services, Office of Refugee Resettlement, *Report to the Congress Annual*

No. 135. CUBAN REFUGEE PROGRAM: 1961 TO 1981

(Except as noted, refugees receiving welfare assistance as of June, and other data for years ending June 30)

ITEM	Unit	1961- 1970, total	1971- 1975, total	1973	1974	1975	1976	1977 ¹	1978 ¹	1979 ¹	1980 ¹	1981 ¹
Cuban Refugee Center, Miami, Fla. Registrations	1,000	385.9	82.7	6.9	4.6	5.3	3.2	2.0	1.5	6.5	14.4	2.9
Resettlements to other areas	1,000	229.1	46.5	2.7	5	.4	.4	.3	.1	5	2.1	1.3
Refugees receiving welfare assistance ²	1,000	(X)	(X)	66.8	34.0	26.1	26.8	22.2	21.4	18.9	15.1	16.2
In Florida	1,000	(X)	(X)	39.6	14.9	12.6	12.5	11.2	10.6	8.8	6.8	6.1
In other States	1,000	(X)	(X)	47.2	19.1	15.2	16.3	11.0	10.8	10.0	6.5	7.1
Total cost of program ³	MIL. dol.	472.0	591.5	143.7	114.8	84.2	83.8	66.4	53.9	44.4	26.8	26.7

X Not applicable. ¹Refugees receiving welfare assistance as of Sept. and other data for year ending Sept. 30. ²Through State and local public welfare agencies with 100 percent Federal reimbursement from the Cuban Refugee Program. Beginning January 1974, most aged and disabled Cuban refugees were covered by Federal Supplemental Security Income program and were not considered welfare assistance cases. ³Includes welfare assistance costs.

Source: U.S. Dept. of Health and Human Services, Office of Refugee Resettlement, unpublished data.

No. 136. CUBAN ENTRANTS—SUMMARY: 1981

(In percent, except as indicated. Covers 124,788 Cubans entering the United States between April 21, 1980 and October 10, 1980, all of whom were classified as "entrants (status-pending)")

ITEM	Arrivals	ITEM	Arrivals	ITEM	Resettle- ments ³
Total (number)	124,788	Education: ¹		Total (number)	² 123,488
Sex:		None	14.6	By voluntary agencies	63,211
Male	69.6	1-6 years	39.1	Direct to relatives	60,275
Female	30.3	7-8 years	6.7	Destination: ⁴	
Age:		9-12 years	26.4	Florida	66,629
Under 18 years old	18.1	College	4.7	New Jersey	7,828
18-24 years	16.5	Unknown	12.5	New York	6,276
25-29 years	16.0	Occupation: ²		California	5,577
30-34 years	13.6	Structural	30.6	Texas	1,910
35-44 years	17.6	Service	16.1	Illinois	1,996
45-64 years	13.7	Professional/technical/ managerial	11.9	Pennsylvania	1,160
65 and over	3.9	Machine	10.6	Other	12,220
Unknown	0.6	Clerical/sales	5.4		
		Bankwork	3.9		
		Agriculture/fishery	3.6		

¹Based on 79,467 responses collected at the Fort McCoy and Fort Chaffee processing centers. ²Based on 39,229 codable responses, classified according to the U.S. Department of Labor's *Dictionary of Occupational Titles*, 1977. ³As of July 31, 1981. ⁴Excludes detainees in Federal Corrections Institutions and other Federal long-term care facilities. ⁵Based on sponsor or location of relatives; does not reflect secondary migration.

Source: U.S. Department of Health and Human Services, Office of Refugee Resettlement, *Cuban-Haitian Entrant Reports*.

No. 137. ENTRIES OF ALIENS AND CITIZENS OVER INTERNATIONAL LAND BOUNDARIES: 1950 TO 1980

(In millions. For years ending June 30 except, beginning 1977, ending September 30. Each entry of same person counted separately. Partly estimated)

YEAR	ALL ENTRIES			VIA CANADIAN BORDER			VIA MEXICAN BORDER		
	Total	Aliens	Citizens	Total	Aliens	Citizens	Total	Aliens	Citizens
1950.....	87.5	41.3	46.2	39.8	16.6	23.1	48.7	24.7	24.1
1955.....	119.8	61.6	58.2	48.0	24.8	23.2	71.8	36.8	35.0
1960.....	154.0	80.0	65.0	55.5	29.8	25.7	98.5	58.2	39.3
1965.....	175.8	101.6	74.0	69.8	33.3	26.5	116.0	69.5	47.5
1970.....	218.0	126.5	99.8	71.6	36.6	31.8	144.4	88.7	57.7
1973.....	236.3	138.4	98.9	77.4	42.5	34.8	160.9	95.8	65.1
1974.....	245.3	143.7	101.6	75.7	42.1	33.7	169.6	101.7	67.9
1975.....	236.8	141.1	95.7	78.4	43.6	34.8	158.4	97.5	60.9
1976.....	248.9	152.2	97.6	81.7	48.5	35.2	167.1	105.7	62.4
1977.....	242.4	150.3	92.1	85.6	49.9	35.7	156.8	100.4	56.4
1978.....	251.2	155.0	96.3	87.6	51.7	35.8	163.6	103.2	60.4
1979.....	246.2	152.3	92.9	81.5	47.6	33.7	163.7	104.5	59.2
1980.....	277.0	171.0	106.0	92.2	53.6	38.4	184.8	117.2	67.6

No. 138. FOREIGN LABORERS ADMITTED, BY COUNTRY OF LAST PERMANENT RESIDENCE: 1960 TO 1980

(For years ending June 30 except, beginning 1977, ending September 30. Covers workers admitted after U.S. Dept. of Labor certification as to need for temporary agricultural workers. For data on temporary workers admitted under Immigration and Nationality Act, see table 143. Mexican agricultural laborers were employed under the provisions of Public Law 78 from 1949 until December 31, 1964. After that date, Mexican agricultural laborers, like workers from other countries, entered the United States under the Immigration and Nationality Act, which provides for the importation of foreign workers if like workers are not available in the United States)

COUNTRY	1966	1968	1970	1974	1975	1976	1977	1978	1979	1980
Total.....	147,307	186,761	47,483	33,808	25,434	22,124	21,671	18,679	16,213	16,746
Agricultural laborers:										
Mexico.....	427,240	103,563	-	-	-	-	-	-	-	-
Canada.....	7,804	6,148	3,156	1,250	970	572	399	312	267	391
West Indies.....	10,874	15,397	15,895	11,825	11,245	11,568	11,891	10,955	12,246	5,202
Japan.....	689	31	-	-	-	-	-	-	-	-
Spain (Basque shepherders).....	219	463	463	322	211	166	206	274	258	1,191
Others:										
Canadian woodmen.....	(NA)	13,261	8,238	5,865	3,671	2,666	2,303	2,059	1,534	1,244
U.S. Virgin Island workers.....	(NA)	13,514	15,469	9,901	7,286	5,967	4,304	3,077	2,713	2,366
Workers admitted into Guam.....	-	1,373	4,272	5,125	2,051	1,136	2,798	2,002	1,175	1,405

- Represents zero. NA Not available. ¹Includes British Honduras, not shown separately.
²Includes 100,878 Mexican laborers admitted under Public Law 78 prior to Dec. 31, 1964.

No. 139. ALIENS ADMITTED AND EXPELLED: 1951 TO 1980

(In thousands. For years ending June 30 except, beginning 1977, ending September 30. See also *Historical Statistics, Colonial Times to 1970*, series C 144, C 149, and C 155-160)

STATUS	1951-1960	1970	1971-1980	1970	1975	1976	1977	1978	1979	1980
Aliens admitted	9,828	27,429	(NA)	4,805	7,475	6,984	2,499	9,945	(NA)	(NA)
Immigrant.....	2,515	3,322	13,963	373	366	390	462	601	480	(NA)
Nonimmigrant.....	7,113	24,107	14,314	4,432	7,084	7,556	8,037	9,344	7,080	(NA)
Deportable aliens located	3,584	1,111	8,319	345	787	876	1,042	1,058	1,078	910
Entry without inspection ¹	(NA)	780	7,345	244	686	773	939	971	1,003	835
From Mexico.....	(NA)	756	7,463	240	655	757	921	949	978	817
Other North American countries.....	(NA)	24	40	4	5	4	12	12	16	16
Aliens expelled	4,614	1,431	7,478	336	679	793	697	1,004	892	738
Deported.....	130	96	232	17	23	26	30	26	26	17
Required to depart.....	3,584	1,335	7,247	303	656	766	667	978	866	719

NA Not available. ¹Covers 1971-1979 only. ²Covers 1971-June 30, 1979. ³Includes only 9 months; Oct. 1, 1978-June 30, 1979. ⁴Includes other countries not shown separately.

Source of tables 137-139: U.S. Immigration and Naturalization Service, *Annual Report*.

NO. 140. ALIEN DEPORTATION, BY SELECTED CAUSES: 1951 TO 1980

[For years ending June 30 except, beginning 1977, ending September 30]

CAUSE	1951- 1960	1961- 1970	1971- 1980	1976	1976	1977	1976	1976	1980
Total	130,887	98,374	231,744	16,893	23,438	30,228	28,371	22,886	17,262
Entry without inspection or by false statements	54,457	43,561	170,955	8,035	16,529	25,012	24,165	22,525	14,493
Failure to maintain or comply with conditions of nonimmigrant status	26,260	31,334	33,725	4,436	3,649	3,150	2,543	1,901	1,750
Criminal	6,742	3,694	2,515	268	225	285	220	264	197
Violation of narcotic laws.....	947	1,462	3,622	202	583	372	314	265	164
Previously excluded or deported	4,002	3,601	4,089	393	526	315	238	202	130
Entry without proper documents.....	35,090	11,831	16,501	3,511	1,896	1,066	871	707	483
Other.....	3,389	891	337	48	30	28	22	24	16

NO. 141. IMMIGRATION AND NATIONALITY VIOLATIONS—SUMMARY: 1960 TO 1981

[For years ending June 30 except, beginning 1977, ending September 30]

ITEM	1960	1965	1970	1976	1977	1979	1979	1980	1981
Prosecutions disposed of	2,773	3,714	6,034	14,172	17,176	16,796	17,396	14,863	16,241
Immigration violations	2,569	3,266	5,510	13,947	16,776	16,445	16,970	14,496	15,807
Nationality violations	184	426	524	225	400	351	426	366	434
Convictions	2,557	3,442	5,467	12,811	15,388	15,348	16,463	12,935	12,771
Immigration violations	2,400	3,037	4,991	12,676	15,223	15,140	15,163	12,678	12,509
Percent of prosecutions.....	92.7	92.4	90.6	90.9	90.6	92.1	89.4	87.4	79.1
Nationality violations	157	405	506	135	165	208	300	257	262
Percent of prosecutions.....	85.3	95.1	96.6	60.0	43.5	59.3	69.6	72.3	80.4
Aggregate fines (\$1,000).....	39	126	250	755	879	786	807	822	686
Aggregate imprisonment (years)	1,994	3,422	4,042	5,313	6,478	7,597	7,868	6,362	5,804

Source of tables 140 and 141: U.S. Immigration and Naturalization Service, *Annual Report*.

NO. 142. IMMIGRATION BORDER PATROL AND INVESTIGATION ACTIVITIES: 1965 TO 1981

[In thousands, except as indicated. For years ending June 30 except, beginning 1977, ending September 30].

ITEM	1965	1970	1974	1975	1979	1977	1976	1979	1980	1981
BORDER PATROL										
Border patrol agents:										
Authorized (number).....	1,505	1,724	1,739	1,803	2,058	2,057	2,189	2,110	2,339	(NA)
On duty (number)	1,377	1,708	1,665	1,708	1,193	1,980	2,151	2,051	2,233	(NA)
Border patrol obligations (\$1,000)	18,753	28,447	46,894	55,254	61,692	70,644	72,231	71,021	82,534	(NA)
Persons apprehended ¹	53.3	233.9	640.9	602.2	701.6	820.4	870.6	896.9	766.6	833.2
Deportable aliens located	52.4	231.1	634.8	598.8	896.0	812.6	862.3	868.7	759.4	825.3
Mexican	44.2	219.3	616.6	579.4	678.4	792.6	841.5	868.8	734.2	797.9
Canadian.....	5.8	7.8	7.4	7.3	5.9	5.8	6.5	5.7	5.3	5.8
Other	2.5	4.1	10.8	10.1	11.7	14.2	14.3	16.2	19.9	21.6
Smugglers of aliens located	(NA)	3.3	8.1	6.9	9.6	12.4	13.3	15.3	13.1	12.6
Smuggled aliens apprehended.....	1.8	18.7	83.1	80.4	82.9	138.8	159.2	172.7	112.6	90.1
Aliens located:										
Previously expelled	14.0	67.4	182.4	184.6	188.9	241.1	266.8	259.1	211.0	256.9
Previous criminal record	4.0	3.8	10.9	10.3	13.1	12.3	11.9	12.4	11.3	12.5
Conveyances examined	1,172	1,792	2,905	3,470	3,277	3,277	3,658	4,030	3,849	4,639
Automobiles	752	1,311	2,230	2,863	2,440	2,647	2,543	2,791	2,590	3,074
Persons questioned ²	5,285	6,805	10,202	11,265	10,783	11,808	11,343	11,900	10,844	12,492
In automobiles	1,877	3,416	5,591	6,888	6,145	6,844	6,643	6,841	6,328	7,187
Pedestrians.....	2,065	1,661	2,243	2,058	2,293	2,333	2,186	2,314	1,706	1,862
Value of seizures (\$1,000).....	594	4,547	47,210	28,654	18,019	19,557	8,348	9,967	116,346	17,346
Narcotics (\$1,000).....	394	3,865	45,056	26,302	16,035	17,071	6,251	8,448	110,272	10,236
INVESTIGATION										
Deportable aliens located	57.9	114.1	153.4	169.8	179.9	229.7	195.7	187.7	150.9	128.1
Mexican	11.2	58.1	93.3	100.9	103.1	162.2	135.1	132.1	83.3	76.2
Canadian.....	2.3	3.5	2.0	.9	1.7	1.8	1.8	1.7	1.5	1.5
Other	44.4	52.5	56.1	68.0	75.1	65.7	58.8	53.9	66.1	50.4

NA Not available.

¹Covers deportable aliens located and U.S. citizens engaged in smuggling or other immigration violations.

²Includes types not shown separately.

Source: U.S. Immigration and Naturalization Service, *Annual Report*, and unpublished data.

Nonimmigrants Admitted

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NO. 143. NONIMMIGRANTS ADMITTED, BY CLASSES: 1970 TO 1979

[In thousands, except as noted. For years ending June 30 except, beginning 1977, ending September 30. For definition of nonimmigrants, see text, p. 85. Excludes border crossers, crewmen, and insider travelers. See also *Historical Statistics, Colonial Times to 1970*, series C 149-157]

CLASS OF ADMISSION	1971-1975, avg.	1976-1978, avg. ¹	1970	1976	1979	1977	1978	1979 ¹
Nonimmigrants	5,898.0	5,882.2	4,431.9	7,083.9	7,054.5	6,036.9	6,343.7	7,088.1
Temporary visitors, total	4,548.1	4,932.4	3,345.2	5,567.4	5,066.6	6,361.4	7,443.4	5,731.1
Percent of total	77.0	78.8	75.5	78.9	78.8	79.4	79.7	81.2
For pleasure	4,108.4	4,209.3	3,020.4	5,080.0	5,513.2	5,697.3	6,642.7	5,086.5
For business	441.7	723.2	324.8	527.4	553.8	664.1	800.7	644.6
Returning resident aliens ²	685.8	977.8	493.5	800.0	844.3	897.7	1,053.6	790.9
Transit aliens	265.0	261.1	231.9	273.0	263.8	252.1	273.1	178.3
Foreign government officials ³	62.0	76.9	50.5	68.4	77.0	71.2	83.6	48.2
Treaty traders and investors	32.7	45.8	19.2	35.0	37.4	44.0	50.4	37.0
Students ⁴	103.4	169.8	107.3	118.0	133.0	171.0	208.7	120.8
Representatives to international organizations ⁵	30.4	40.1	23.6	32.6	37.1	38.2	44.0	27.6
Temporary workers and industrial trainees	67.0	54.9	66.5	67.3	58.5	56.3	51.3	39.2
Workers of distinguished merit and ability	14.5	17.0	11.1	15.6	14.8	15.7	16.8	15.1
Other temporary workers	38.5	25.8	69.3	37.5	29.7	27.7	22.9	15.5
Industrial trainees	4.2	3.2	5.3	3.8	2.6	3.2	3.3	2.4
Their spouses and children	9.9	8.9	.8	10.8	9.2	8.7	8.3	5.8
Representatives of foreign information media	5.6	9.0	4.7	6.1	8.2	8.4	10.0	7.9
Exchange visitors ⁶	66.1	50.2	68.8	63.4	62.6	71.5	75.1	42.3
NATO officials ⁷	3.4	5.5	2.3	4.0	5.1	6.1	5.9	4.5
Fiancé(e)s of U.S. citizens ⁸	7.9	6.9	1	6.4	6.2	7.2	6.4	7.6
Intracompany transferees ⁹	15.8	19.1	.4	22.3	28.3	32.6	40.0	27.7

¹Data for 1976-June 30, 1979. ²Includes only 9 months; Oct. 1, 1978 thru June 30, 1979. ³Returning resident aliens who have once been counted as immigrants are included with nonimmigrants. ⁴Includes spouses and children. ⁵Includes children of fiancé(e)s of U.S. citizens.

NO. 144. NONIMMIGRANTS ADMITTED, BY COUNTRY OF BIRTH: 1971 TO 1979

[In thousands. For years ending June 30 except, beginning 1977, ending September 30. For definition of nonimmigrants, see text, p. 85. Excludes border crossers, crewmen, and insider travelers. Students and others entering with multiple entry documents are only counted on the first admission. Includes returning resident aliens admitted with documents in addition to the Alien Registration Receipt Card]

COUNTRY	1971-1975, avg.	1976	1977	1978	1979 ¹	COUNTRY	1971-1975, avg.	1976	1977	1978	1979 ¹
Total	5,898	7,084	6,037	6,344	7,088	Europe²	1,914	2,076	2,451	3,020	2,288
America³	2,831	3,477	3,758	4,213	3,179	Austria	29	32	38	48	34
Argentina	62	66	90	116	121	Belgium	34	37	48	62	50
Bahamas	83	71	87	108	74	Denmark	32	34	44	52	40
Brazil	71	93	68	66	64	France	191	191	246	283	203
Canada	193	223	275	262	207	Germany	346	365	450	550	421
Colombia	86	91	212	152	123	Greece	51	52	60	65	42
Dominican Republic	121	149	155	167	134	Ireland	51	46	53	66	47
Ecuador	32	36	59	78	54	Italy	173	171	183	220	180
Guatemala	31	33	50	58	50	Netherlands	66	98	126	156	121
Haiti	33	43	62	82	37	Norway	36	41	50	66	42
Jamaica	106	124	126	143	96	Poland	31	42	36	49	42
Mexico	1,537	1,697	1,690	2,150	1,574	Portugal	36	43	48	56	31
Panama	26	29	36	41	28	Spain	60	66	66	66	79
Peru	40	47	47	45	35	Sweden	67	65	86	103	101
Trinidad and Tobago	42	43	52	62	42	Switzerland	61	73	98	116	89
Venezuela	71	67	176	247	170	U.S.S.R. ⁴	12	16	16	16	16
Asia³	930	1,266	1,481	1,692	1,296	United Kingdom	533	582	665	678	664
China ⁵	53	63	80	91	70	Yugoslavia	24	27	30	35	25
Hong Kong	20	26	30	37	23	Africa	71	89	120	166	115
India	56	69	80	101	76	Australia and New Zealand	134	149	210	191	174
Iran	24	35	66	121	66	Other countries	41	35	35	68	16
Israel	37	46	57	63	47						
Japan	505	510	607	682	729						
Korea	25	31	45	53	43						
Philippines	57	65	82	101	83						

¹Includes only 9 months; Oct. 1, 1978-June 30, 1979. ²Includes countries not shown separately. ³Includes Taiwan. ⁴Europe and Asia.

Source of tables 143 and 144: U.S. Immigration and Naturalization Service, *Annual Report*.

No. 145. ALIENS REPORTING UNDER ALIEN ADDRESS PROGRAM: 1960 TO 1980

[In thousands, except percent. All aliens in the United States on January 1 are required to report their addresses to the Department of Justice in January except, for 1960, Mexican agricultural workers]

NATIONALITY	1980	1970	1979	1980		STATE OR AREA OF RESIDENCE	1980	1979	1979	1980	
				Num-ber	Per-cent					Num-ber	Per-cent
Total.....	2,949	4,247	5,058	5,381	100.0	Total.....	2,949	4,247	5,058	5,381	100.0
Canada	295	428	298	338	6.3	Arizona.....	35	49	67	72	1.3
China ¹	48	107	183	171	3.2	California.....	567	982	1,317	1,440	26.8
Colombia	12	59	81	89	1.7	Colorado.....	20	23	35	38	.7
Cuba.....	63	433	338	334	6.2	Connecticut.....	75	109	95	97	1.8
Dominican Republic.....	(NA)	72	120	135	2.5	Florida.....	84	290	378	413	7.7
Ecuador	8	31	52	58	1.0	Hawaii.....	51	53	70	73	1.4
France.....	35	47	49	37	.7	Illinois.....	199	264	290	307	5.7
Germany.....	263	229	167	162	3.0	Indiana.....	29	30	33	35	.7
Greece.....	49	73	64	57	1.1	Louisiana.....	13	23	35	37	.7
India	10	42	126	130	2.4	Maryland.....	28	48	57	67	1.3
Ireland.....	68	52	31	27	.5	Massachusetts.....	128	189	167	178	3.3
Italy.....	257	247	189	177	3.3	Michigan.....	142	146	136	142	2.6
Jamaica	(NA)	60	92	95	1.8	New Jersey.....	151	233	269	276	5.1
Japan	72	82	105	110	2.0	New York.....	554	821	763	801	14.9
Korea	10	31	170	182	3.4	Ohio.....	109	98	86	86	1.6
Mexico	510	734	1,041	1,059	19.7	Oregon.....	18	24	35	37	.7
Netherlands.....	40	46	36	36	.7	Pennsylvania.....	128	110	110	115	2.1
Philippines	61	125	238	247	4.6	Rhode Island.....	16	26	33	35	.7
Poland.....	167	124	86	87	1.6	Texas.....	238	258	425	468	8.7
Portugal	32	81	134	135	2.5	Virginia.....	19	31	55	60	1.1
United Kingdom.....	227	330	311	313	5.8	Washington.....	51	63	77	84	1.6
Vietnam.....	(NA)	4	134	199	3.7	Wisconsin.....	35	35	32	34	.8
Yugoslavia.....	51	43	32	34	.8	All other ²	259	362	495	484	9.0
All other.....	673	765	983	1,171	21.7						

NA Not available. ¹Includes Taiwan. ²Includes Puerto Rico, Virgin Islands, Guam, and those whose addresses were unidentified.
Source: U.S. Immigration and Naturalization Service, *Annual Report*.

No. 146. ALIEN NATURALIZATION—DECLARATIONS, PETITIONS, AND CERTIFICATES: 1907 TO 1979

[In thousands. For years ending June 30 except, beginning 1977, ending Sept. 30. National data not compiled prior to 1907. Includes U.S. outlying areas. See also *Historical Statistics, Colonial Times to 1970*, series C 168 and C 180]

PERIOD OR YEAR	Declara-tions filed ¹	PETITIONS ²		CERTIFICATES ISSUED				
		Filed	De-nied	Total	Status		Sex	
					Civilian	Military	Male	Female
Total, 1907-1979.....	8,799.4	10,742.4	487.2	³ 10,136.5	9,526.3	610.2	4,698.8	3,844.8
1907-1910.....	526.3	164.0	17.7	111.7	111.7	-	(NA)	(NA)
1911-1920.....	2,686.9	1,381.4	118.7	1,129.0	884.7	244.3	(NA)	(NA)
1921-1930.....	2,709.0	1,884.3	165.5	³ 1,773.2	1,717.0	56.2	⁴ 1,166.2	⁴ 255.2
1931-1940.....	1,369.5	1,837.1	45.6	1,518.5	1,496.6	19.9	968.4	550.1
1941-1950.....	920.3	1,938.1	64.8	1,987.0	1,837.2	149.8	941.5	1,045.5
1951-1960.....	323.8	⁵ 1,230.5	27.6	⁵ 1,199.9	1,148.2	41.7	503.5	686.4
1961-1970.....	144.9	1,143.0	23.6	1,120.3	1,064.2	36.1	513.5	606.8
1971-1979.....	118.7	1,364.1	23.6	1,306.9	1,244.7	62.2	605.7	700.6
1950.....	93.5	66.0	2.3	66.4	84.3	2.1	25.7	40.6
1955.....	10.9	⁵ 213.5	4.6	⁵ 209.6	197.8	12.0	95.9	113.7
1960.....	18.3	127.5	2.3	119.4	117.8	1.6	50.9	68.5
1965.....	13.1	106.8	2.1	104.3	101.2	3.1	48.5	55.8
1970.....	18.8	114.8	2.0	110.4	99.8	10.6	52.7	57.7
1972.....	21.2	121.9	1.6	116.2	107.7	8.5	55.4	60.8
1973.....	17.4	126.9	1.7	120.7	112.9	7.8	56.9	63.8
1974.....	14.0	136.2	2.2	131.7	124.9	6.8	60.8	70.8
1975.....	12.2	149.4	2.3	141.5	135.3	6.2	66.6	75.0
1976.....	10.7	157.9	2.2	142.5	136.9	5.6	66.0	76.5
1977.....	7.5	166.4	2.8	159.9	154.7	5.3	73.4	86.5
1978.....	7.3	168.9	3.9	173.5	168.4	5.1	78.7	94.8
1979.....	6.0	165.4	4.0	164.2	158.3	5.9	74.7	89.4

- Represents zero. NA Not available. ¹Declaration of intention to become citizen.
²Petition for naturalization. ³Includes certificates not distributed by sex.
⁴1923-1930 only. ⁵Includes aliens serving in U.S. Armed Forces who were naturalized abroad.
Source: U.S. Immigration and Naturalization Service, *Annual Report*.

No. 147. ALIENS NATURALIZED—CHARACTERISTICS: 1960 TO 1979

[For years ending June 30 except, beginning 1977, ending September 30. Includes U.S. outlying areas. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series C 166-167 and C 170-171]

CHARACTERISTIC	1960	1965	1970	1973	1974	1976	1978	1977	1979	1979
Total naturalized	119,442	104,299	119,399	120,749	131,655	141,537	142,504	169,997	173,535	164,190
Under general naturalization provisions ¹	91,546	76,830	79,761	94,039	103,450	113,289	114,653	131,331	143,133	132,533
Under special provisions	27,894	27,469	39,638	26,711	28,205	28,248	27,851	28,556	30,402	31,617
Married to U.S. citizens	19,799	16,802	14,899	13,360	14,766	15,416	15,136	15,394	16,207	15,293
Children of U.S. citizens ²	6,149	7,614	5,023	5,461	8,511	6,596	7,036	7,787	9,035	10,406
Filipino ³	86	9	-	-	1	-	-	-	-	1
Military	1,594	3,065	10,616	7,799	6,846	6,214	5,631	5,305	5,129	5,874
Other	264	65	100	64	77	50	44	70	34	41
By sex and marital status:										
Males⁴	50,896	46,495	52,696	56,901	60,623	66,597	66,007	73,377	78,746	74,706
Single	14,341	15,356	14,196	15,423	16,946	17,789	16,973	18,709	20,186	20,445
Married	34,517	31,796	36,979	39,752	41,982	46,723	46,896	52,342	55,599	51,199
Widowed	1,183	540	397	406	423	401	370	381	406	427
Divorced	862	773	1,069	1,321	1,472	1,674	1,794	1,885	2,585	2,696
Females⁴	68,546	57,804	66,703	63,848	70,832	74,950	76,497	96,620	94,789	89,444
Single	10,330	11,746	11,458	13,103	14,884	15,392	15,977	17,677	19,641	19,716
Married	52,252	40,463	42,126	46,271	50,690	54,467	55,306	62,887	68,591	62,857
Widowed	4,894	2,416	2,240	2,267	2,296	2,171	2,082	2,343	2,322	2,479
Divorced	1,262	1,156	1,001	2,199	2,660	2,900	3,130	3,599	4,235	4,293
Males per 1,000 females	743	806	912	891	859	896	863	846	831	836
Median age (years)	36.0	34.1	35.1	35.4	35.1	35.4	35.2	35.4	35.3	34.7
Male (years)	36.9	34.6	35.4	36.0	36.7	36.7	36.0	36.0	35.9	35.1
Female (years)	37.3	33.7	34.8	34.8	34.6	34.3	34.8	34.8	34.5	34.6

- Represents zero. ¹See text, p. 86. ²Includes adopted children.

³With U.S. residence beginning prior to May 1, 1934. ⁴Through 1970 includes status unknown, not shown separately.

No. 148. ALIENS NATURALIZED, BY COUNTRY OF FORMER ALLEGIANCE, AND BY STATE OF RESIDENCE: 1970 TO 1979

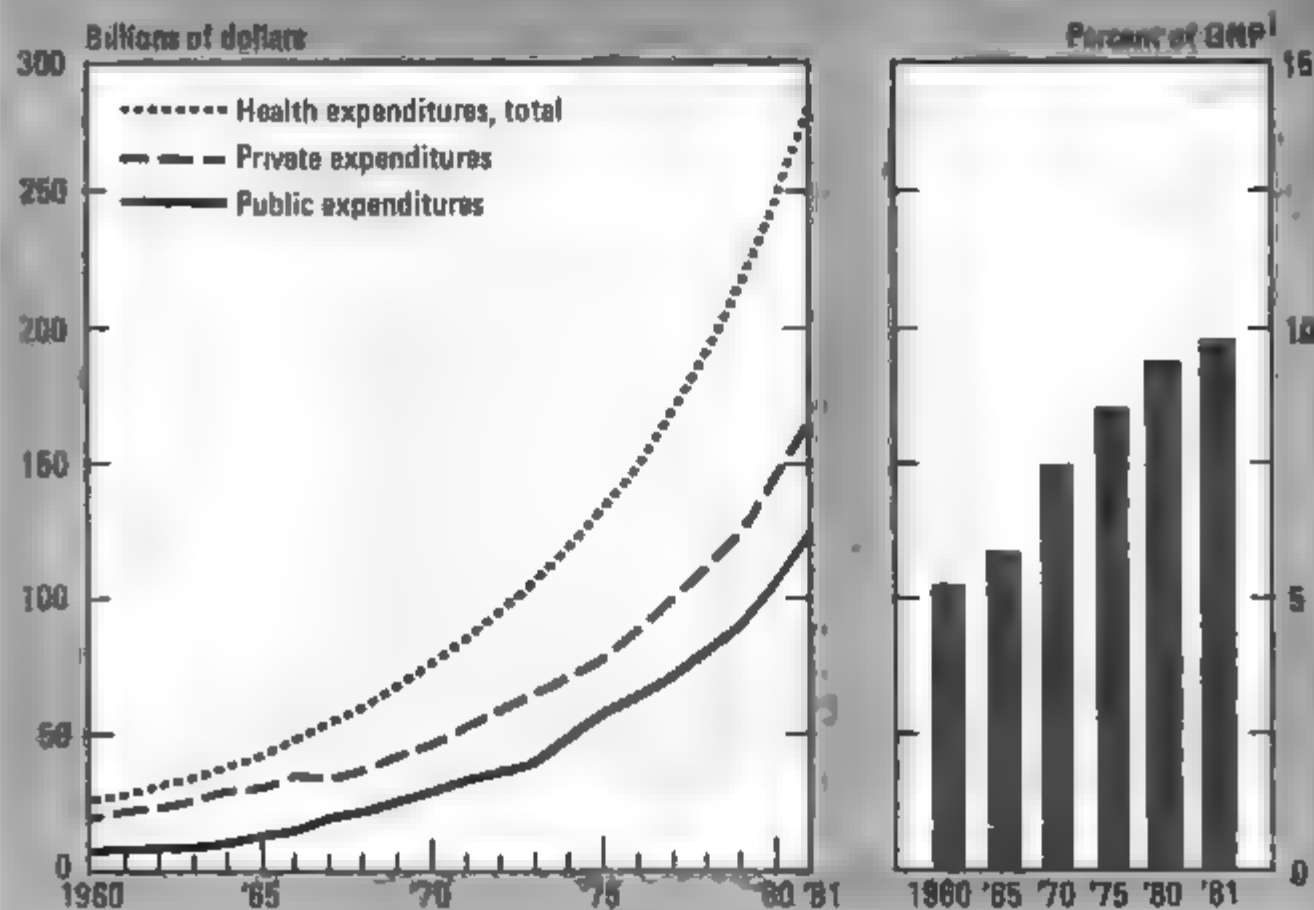
[For years ending June 30 except, beginning 1976, ending September 30. Includes U.S. outlying areas. See also *Historical Statistics, Colonial Times to 1970*, series C 166-179]

COUNTRY OF FORMER ALLEGIANCE	1970	1976	1979		STATE OR AREA OF RESIDENCE	1970	1976	1979	
			Num-ber	Per-cent				Num-ber	Per-cent
Total	119,399	141,537	164,190	100.0	Total	119,399	141,537	164,190	100.0
Canada	8,340	3,548	3,085	1.9	Arizona	1,007	1,088	1,448	.9
Central America ¹	2,480	2,773	3,862	2.4	California	20,054	26,634	30,212	18.4
China ²	3,099	9,683	11,446	7.0	Colorado	716	878	1,222	.7
Colombia	970	1,699	2,823	1.6	Connecticut	2,444	3,509	3,392	2.1
Czechoslovakia	506	1,738	1,039	.8	Florida	11,556	10,576	11,757	7.2
Egypt	377	1,986	1,373	.8	Georgia	873	853	967	.6
Germany	10,067	5,187	3,437	2.1	Hawaii	2,658	3,094	4,364	2.7
Greece	2,906	6,647	4,866	3.0	Illinois	8,823	9,707	8,927	4.2
India	325	2,720	6,001	3.7	Indiana	749	1,113	1,144	.7
Italy	1,156	8,796	7,296	4.4	Maryland	1,855	2,227	3,120	1.9
Israel	1,516	1,844	1,280	.8	Massachusetts	3,813	5,448	8,251	5.0
Korea	1,667	6,007	13,406	8.2	Michigan	2,865	3,674	4,534	2.8
Mexico	6,195	5,781	4,9	4.9	Minnesota	516	1,011	1,448	.9
Philippines	5,469	15,330	17,749	10.8	Missouri	744	983	1,171	.7
Poland	3,426	3,099	2,366	1.5	New Jersey	6,893	8,207	13,880	8.4
Portugal	1,374	3,726	4,073	2.5	New York	21,664	31,700	37,225	22.7
United Kingdom ³	7,549	8,532	8,066	4.9	Ohio	2,589	3,741	3,326	2.0
Vietnam	262	1,369	1,639	1.1	Oregon	481	734	807	.6
West Indies ¹	22,675	15,546	13,317	8.7	Pennsylvania	3,169	3,499	4,240	2.6
Cuba	20,868	15,546	13,317	8.7	Texas	4,858	4,569	5,843	3.6
Dominican Rep.	536	1,516	3,350	2.0	Virginia	1,508	2,207	2,171	1.3
Haiti	433	1,966	2,567	1.6	Washington	1,352	2,124	2,268	1.4
Jamaica	479	2,152	7,832	4.7	Wisconsin	913	992	1,089	.7
Other West Indies	337	1,610	2,272	1.4	Guam	556	1,130	1,069	.7
Yugoslavia	1,725	1,111	2,436	1.5	Puerto Rico	1,535	1,625	1,161	.7
Other	23,639	25,131	30,373	18.3	Other	5,446	10,014	10,973	6.5

¹Independent countries. ²Includes Taiwan. ³Includes colonies and dependencies.

Source of tables 147 and 148: U.S. Immigration and Naturalization Service, *Annual Report*, and releases.

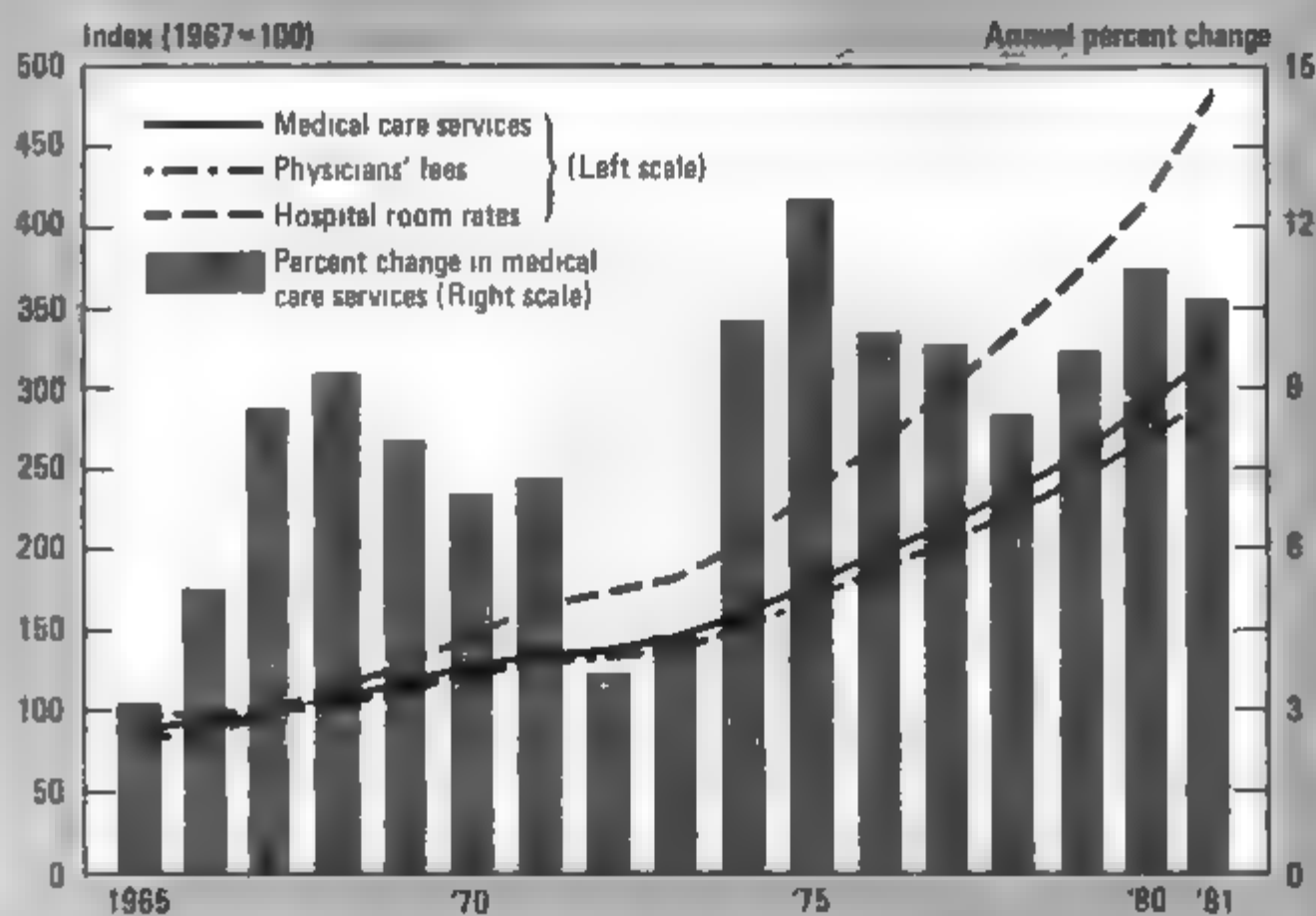
Figure 4.1
National Health Expenditures: 1960 to 1981



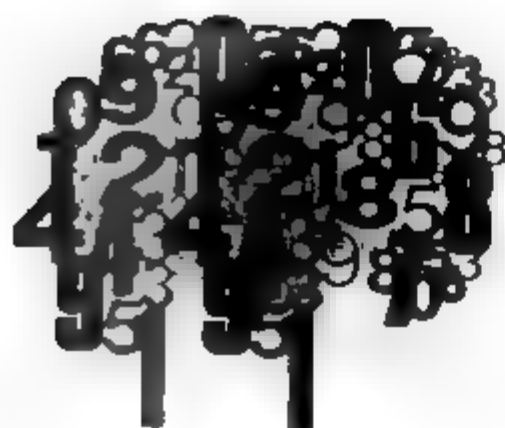
¹Gross national product.

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 149.

Figure 4.2
Indexes of Medical Care Prices: 1965 to 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 158.



Section 4

Health and Nutrition

This section presents statistics on health expenditures and insurance coverage; medical personnel; hospitals; nursing homes and other care facilities; incidence of acute and chronic conditions; nutritional intake of the population; per capita food consumption; and Federal food programs. Summary statistics showing recent trends on health care and discussions of selected health issues are published annually by the U.S. National Center for Health Statistics (NCHS) in *Health, United States*. Data on national health expenditures, medical costs, and insurance coverage are compiled by the U.S. Health Care Financing Administration (HCFA), and appear in the *Health Care Financing Review*, issued quarterly. Statistics on health personnel and inpatient and outpatient facilities are collected by NCHS and are published in series 14 of *Vital and Health Statistics*. Statistics on hospitals are published annually by the American Hospital Association in *Hospital Statistics*. Primary sources for data on nutrition and Federal food programs are the quarterly *National Food Review* and the annual *Agricultural Statistics*, both issued by the U.S. Department of Agriculture. In addition, NCHS conducts periodic surveys of nutrient levels in the population and clinical signs of malnutrition.

National health expenditures.—Estimates of national health care expenditures are compiled by type of expenditure and source of funds by the HCFA. These estimates are drawn from a number of sources such as the American Hospital Association and the following Federal agencies: the Veterans Administration; the Department of Defense; the Internal Revenue Service; the Department of Commerce national income accounts in the *Survey of Current Business*; the National Center for Health Statistics; the Social Security Administration; the Bureau of the Census in *Government Finances*; the National Institutes of Health; and HCFA itself. For details, see the section on "Definitions, Concepts, and Sources of Data" in the annual report on national health expenditures published in the *Health Care Financing Review*.

The general method for arriving at national private health expenditures is to estimate the total national outlays (public and private) for each type of medical service or expenditure. From these outlays are then deducted the amounts paid to public and private hospitals, physicians in private practice, etc., under the various Federal, State, and local programs identified as components of total health expenditures.

Since 1974, data on public (Federal, State, and local governmental) expenditures have been organized and reported under 10 broad categories of health programs: Health insurance for the aged and disabled (Medicare); temporary disability insurance (medical benefits); workers' compensation (medical benefits); public assistance, including Medicaid (medical vendor payments); general hospital and medical care; Defense Department hospital and medical care (including military dependents); maternal and child health services; other public health activities; veterans' hospital and medical care; and medical vocational rehabilitation. For several Federal health programs, the data are taken from Federal agencies' budget submissions to the Office of Management and Budget (OMB). For the remainder, the data are supplied by various Federal, State, and local agencies.

Health resources.—Hospital statistics based on data from the American Hospital Association's yearly survey are published annually in *Hospital Statistics*, and cover all hospitals accepted for registration by the Association. To be accepted for registration, a hospital must meet certain requirements relating to number of beds, construction, equipment, medical and nursing staff, patient care, clinical records, surgical and obstetrical facilities, diagnostic and treatment facilities, laboratory services, etc. Data obtained from NCHS cover all U.S. hospitals which meet certain criteria for inclusion. They are published in *Vital and Health Statistics* reports, series 14. In these reports, a hospital is defined as a facility with at least six inpatient beds that is licensed as a hospital by a State, or is operated as a hospital by a Federal or State agency.

Statistics on the demographic characteristics of persons employed in the health occupations are based on data compiled by the U.S. Bureau of Labor Statistics and reported in *Employment and Earnings* (monthly). Data based on sample surveys of health personnel and utilization of health facilities providing long-term care, ambulatory care, hospital care, and family planning services are presented in NCHS series 13 and series 14, *Health Resources Utilization Data* and *Manpower and Facilities Data*. Statistics on patient visits to health care providers, as reported in health interviews, appear in NCHS series 10, *Health Interview Survey*.

The Health Care Financing Administration's *Health Care Financing Program Statistics and Notes* series present data for hospitals and nursing homes as well as extended care facilities and home health agencies. These data are based on records of the Federal Health Insurance for the Aged and Disabled program (Medicare) and differ from those of other sources because they are limited to facilities meeting Federal eligibility standards for participation in Medicare.

Data on patients in hospitals for the mentally ill and on mental health facilities are collected by the National Institute of Mental Health (NIMH) and appear in the *Mental Health Statistics* reports, series A and B, and the Mental Health Statistical Note series.

Institutional population data based on the decennial censuses of the population include information on persons in hospitals, in homes for the aged and dependent, and in other group quarters (see tables 78 and 79).

Disability and illness.—General health statistics, including morbidity, disability, injuries, preventive care, and findings from physiological and psychological testing, are collected by NCHS in its National Health Interview Survey and its National Health and Nutrition Examination Surveys and appear in *Vital and Health Statistics*, series 10 and 11, respectively. Morbidity data for members of the Armed Services are prepared and published by the Departments of the Army, Navy, and Air Force. The Department of Labor compiles statistics on industrial injuries (see section 13). Annual incidence data on notifiable diseases are compiled by the Public Health Service (PHS) at its Centers for Disease Control in Atlanta, Georgia, and are published as a supplement to its *Morbidity and Mortality Weekly Report*. The list of diseases is revised annually and includes those which, by mutual agreement of the States and PHS, are communicable diseases of national importance.

Nutrition.—Statistics on annual per capita consumption of food and its nutrient value are estimated by the U.S. Department of Agriculture and published in *National Food Review*. Historical data can be found in *Food Consumption, Prices, and Expenditures*, issued annually. Data on the Federally Funded Food Distribution Program for Needy Families and Children, the National School Lunch Program, the Special Milk Program, and the Food Stamp Program are published annually in *Agricultural Statistics*.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to data from NCHS and the Health Care Financing Administration, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 149. NATIONAL HEALTH EXPENDITURES: 1950 TO 1981

YEAR	TOTAL ¹			HEALTH SERVICES AND SUPPLIES							
	Total (bil. dol.)	Per capita (dol.)	Per- cent of GNP ²	Private				Public			
				Total ³ (bil. dol.)	Direct patient payments		Insur- ance premi- ums ⁴ (bil. dol.)	Total ⁵		Medical payments	
					Total (bil. dol.)	Per- cent of total private		Total (bil. dol.)	Per- cent of total health exp.	Medi- care (bil. dol.)	Public assist- ance (bil. dol.)
1950	12.7	82	4.4	8.9	7.1	60.3	1.3	2.6	22.0	(x)	.1
1955	17.7	105	4.4	12.9	9.1	70.9	3.2	4.0	22.6	(x)	.2
1960	26.9	146	5.3	19.6	13.0	66.3	5.8	5.8	20.8	(x)	.5
1965	41.7	211	6.0	29.5	16.5	62.8	10.0	6.8	21.0	(x)	2.1
1970	74.7	358	7.5	44.3	28.0	58.7	17.1	25.0	33.4	7.5	6.3
1971	83.3	394	7.7	46.7	27.8	57.1	19.5	28.4	34.1	8.3	8.1
1972	93.5	436	7.9	54.8	31.0	56.5	22.4	32.1	34.3	9.1	9.1
1973	103.2	478	7.8	60.6	34.2	56.5	24.8	35.7	34.6	10.1	10.3
1974	116.4	535	8.1	66.0	36.4	55.2	27.8	43.0	36.9	13.1	12.1
1975	132.7	604	8.6	73.2	39.0	53.2	32.4	51.1	38.5	16.3	15.1
1976	149.7	674	8.7	83.2	43.0	51.7	38.2	57.4	38.4	19.3	16.9
1977	169.2	755	8.8	95.7	46.7	50.9	44.6	64.4	36.1	22.5	18.9
1978	189.3	836	8.8	106.3	54.1	50.9	49.7	73.3	36.7	25.9	21.1
1979	215.0	936	8.9	120.6	61.8	51.2	55.9	83.8	39.0	30.3	24.3
1980	249.0	1,075	9.5	139.3	72.1	51.8	63.6	97.9	39.3	38.8	28.5
1981	286.6	1,225	9.8	159.0	81.7	51.4	73.2	114.5	39.9	44.8	33.1

X Not applicable. ¹Includes medical research and medical facilities construction. ²GNP=Gross national product; see Section 14. ³Includes other sources of funds not shown separately. ⁴See footnote 3, table 150. ⁵Includes other programs, not shown separately.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Sept. 1982.

NO. 150. NATIONAL HEALTH EXPENDITURES, BY TYPE: 1965 TO 1981

[In millions of dollars, except percent. See also *Historical Statistics, Colonial Times to 1970*, series B 248-261]

TYPE OF EXPENDITURE	1965	1970	1975	1976	1977	1979	1979	1980	1981
Total	41,746	74,962	132,720	149,655	196,246	186,312	214,962	248,967	286,616
Average annual percent change ¹	² 9.2	12.3	12.2	12.8	13.1	11.9	13.5	15.8	15.1
Private expenditures	30,960	46,871	76,540	86,716	96,140	106,785	124,389	143,553	164,088
Health services and supplies	29,482	44,311	73,205	83,205	95,674	106,251	120,627	139,264	158,977
Direct patient payments	18,522	26,024	38,979	43,007	48,707	54,089	61,806	72,068	81,746
Insurance premiums ³	9,993	17,075	32,437	38,172	44,619	49,679	55,859	63,624	73,184
Other	968	1,213	1,788	2,026	2,348	2,483	2,982	3,552	4,046
Medical research	176	215	264	267	273	282	302	322	339
Medical facilities construction	1,292	2,345	3,072	3,246	3,193	3,251	3,460	3,967	4,772
Public expenditures	10,799	27,792	56,180	62,937	70,106	79,526	90,573	105,414	122,528
Percent Federal of public	51.3	63.6	66.0	67.6	67.8	67.7	67.4	67.4	68.5
Health services and supplies	8,754	24,952	51,115	57,421	64,404	73,274	83,835	97,875	114,493
Medicare ⁴	(x)	7,500	16,317	19,303	22,524	25,932	30,333	36,828	44,752
Temporary disability insurance ⁵	52	86	73	71	74	60	56	52	54
Workers' compensation (medical) ⁶	798	1,408	2,430	2,756	3,129	3,476	4,494	5,042	5,713
Public assistance medical payments ⁷	2,112	6,321	15,096	16,852	18,858	21,118	24,340	28,473	33,106
Defense Dept. hospital, medical	853	1,782	2,630	2,964	3,062	3,441	3,779	4,233	5,031
Maternal, child health programs	255	429	589	641	683	726	767	812	861
Public health activities	614	1,420	3,157	3,813	4,320	5,327	6,243	7,007	7,271
Veterans' hospital, medical care	1,145	1,764	3,495	4,152	4,400	4,964	5,313	5,941	6,659
Medical vocational rehabilitation	40	149	224	224	250	259	279	281	285
State and local hospitals ⁸	2,373	3,347	5,050	4,686	4,950	5,418	5,615	6,213	7,747
Other ⁹	313	767	1,848	1,955	2,152	2,508	2,610	2,990	3,016
Medical research	1,340	1,754	3,071	3,434	3,646	4,162	4,483	5,006	5,314
Medical facilities construction	705	1,066	1,994	2,063	2,059	2,092	2,255	2,532	2,721

X Not applicable. ¹Change from prior year shown, except as noted. For explanation of average annual percent change, see Guide to Tabular Presentation. ²Change from 1960. ³Covers insurance benefits and amount retained by insurance companies for expenses, additions to reserves, and profits (net cost of insurance). ⁴Represents expenditures for benefits and administrative cost from Federal hospital and medical insurance trust funds under old-age, survivors, disability, and health insurance programs; see text, p. 311. ⁵Includes medical benefits paid under public law by private insurance carriers and self-insurers. ⁶Payments made directly to suppliers of medical care (primarily Medicaid). ⁷Expenditures not offset by other revenues. ⁸Covers expenditures for Alcohol, Drug Abuse, and Mental Health Administration; Indian Health Service; school health and other programs.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Sept. 1982.

NO. 151. NATIONAL HEALTH EXPENDITURES, BY OBJECT: 1960 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series B 221-235]

OBJECT OF EXPENDITURE	EXPENDITURE (bil. dol.)								PERCENT			
	1960	1965	1970	1975	1978	1980	1981	1980	1970	1960	1981	
Total	36.9	41.7	74.7	132.7	188.3	215.0	249.0	284.6	100.0	100.0	100.0	100.0
Spent by:												
Consumers	18.8	28.5	43.1	71.4	103.8	117.7	135.7	154.9	89.9	57.7	54.5	54.1
Government	6.6	10.8	27.8	56.2	79.5	90.6	105.4	122.5	24.5	37.2	42.3	42.8
Philanthropy and industry	1.4	2.4	3.8	5.1	6.0	6.7	7.8	9.2	5.2	5.1	3.1	3.2
Spent for:												
Health services and supplies	25.2	36.2	69.3	124.3	179.5	204.6	237.1	273.5	93.7	92.8	95.2	95.4
Personal health care expenses	23.7	35.8	65.1	116.8	166.7	188.9	219.4	255.0	88.1	97.3	88.1	89.0
Hospital care	9.1	13.9	27.8	52.1	75.7	86.1	100.4	118.0	33.6	37.2	40.3	41.2
Physicians' services	5.7	8.5	14.3	24.9	35.9	40.2	46.8	54.8	21.2	19.2	18.8	19.1
Dentists' services	2.0	2.8	4.7	8.2	11.8	13.3	15.4	17.3	7.4	6.4	6.2	6.0
Other professional services ¹	.9	1.0	1.8	2.6	4.1	4.7	5.6	6.4	3.3	2.1	2.3	2.2
Drugs and sundries	3.7	5.2	8.0	11.9	15.4	17.2	19.9	21.4	13.8	10.7	7.6	7.5
Eyeglasses and appliances ²	.8	1.2	1.9	3.2	4.1	4.6	5.1	5.7	3.0	2.8	2.1	2.0
Nursing home care	.5	2.1	4.7	10.1	15.2	17.6	20.6	24.2	1.9	6.3	6.3	8.4
Other health services	1.1	1.1	2.1	3.7	4.5	5.1	6.0	7.2	4.1	2.8	2.4	2.5
Net cost of insurance and administration ³	1.1	1.7	2.7	4.4	7.5	9.3	10.7	11.2	4.1	3.8	4.3	3.9
Government public health activities	.4	.8	1.4	3.2	6.3	6.2	7.0	7.3	1.5	1.9	2.8	2.5
Research	.8	1.5	2.0	3.3	4.4	4.8	5.3	5.7	2.2	2.6	2.1	2.0
Construction	1.0	2.0	3.4	5.1	6.3	5.7	6.5	7.5	3.7	4.8	2.6	2.6

¹Includes services of registered and practical nurses in private duty, visiting nurses, podiatrists, physical therapists, clinical psychologists, chiropractors, naturopaths, and Christian Science practitioners. ²Includes fees of optometrists and expenditures for hearing aids, orthopedic appliances, artificial limbs, crutches, wheelchairs, etc. ³Administrative expenses of federally financed health programs.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Sept. 1982.

NO. 152. HEALTH SERVICES AND SUPPLIES—PER CAPITA NATIONAL AND PRIVATE CONSUMER EXPENDITURES, BY OBJECT: 1960 TO 1981

[In dollars, except percent. Based on Bureau of the Census data for total U.S. population as of January 1 for 1960, as of July 1 beginning 1965; including Armed Forces and Federal employees abroad and civilian population of outlying areas. Excludes research and construction. See also *Historical Statistics, Colonial Times to 1970*, series B 222-232]

OBJECT OF EXPENDITURE	1960	1965	1970	1975	1978	1980	1981	1978	1979	1980	1981
Total, national	137	193	332	586	633	714	792	863	1,024	1,189	
Average annual percent change ¹	6.4	7.1	11.1	11.0	11.7	12.0	10.7	12.3	14.5	14.0	
Hospital care	49	70	133	237	270	302	334	376	433	504	
Physicians' services	31	43	89	113	124	142	158	178	202	234	
Dentists' services	11	14	23	37	43	47	52	58	67	74	
Other professional services ²	5	5	8	12	14	16	18	21	24	27	
Drugs and drug sundries	20	26	38	64	59	63	68	75	83	91	
Eyeglasses and appliances ²	4	6	9	14	15	16	18	20	22	24	
Nursing home care	3	10	23	46	51	54	67	77	88	103	
Other health services	6	8	10	17	17	18	20	22	26	31	
Net cost of insurance and administration ³	6	8	13	20	23	31	33	41	46	48	
Government public health activities	2	4	7	14	17	19	24	27	30	31	
Total, private consumer	102	144	207	325	366	416	458	514	586	682	
Hospital care	28	41	61	103	120	134	148	169	193	223	
Physicians' services	20	40	54	84	92	106	117	129	148	170	
Dentists' services	11	14	22	36	40	45	50	56	64	71	
Other professional services ²	4	5	8	9	11	12	14	15	18	21	
Drugs and drug sundries	20	26	38	50	54	57	62	69	76	83	
Eyeglasses and appliances ²	4	6	9	13	14	15	17	18	20	22	
Nursing home care	2	7	11	20	23	26	30	33	39	45	
Net cost of insurance	5	6	7	11	12	21	21	25	29	27	

¹Change from prior year shown; for 1960 from 1955. For explanation of average annual percent change, see Guide to Tabular Presentation. ²See footnotes for corresponding objects in table 151.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Sept. 1982.

NO. 153. PERSONAL HEALTH CARE EXPENDITURES, BY DIVISION AND STATE: 1976 TO 1978

In millions of dollars, except as indicated. Distribution of expenditures by division and State represents location of provider of the service. Per capita figures cannot be interpreted directly as spending per resident, unless substantially all of the services provided in a State are consumed by residents of that State. For definition of personal health care expenditures, see headnote, table 150.

DIVISION AND STATE	Total expenditures, 1976	Total expenditures, 1977	1978							Per capita expenditures, 1978 (dol.)
			Total	Hospital care	Physicians' services	Dentists' services	Drugs and medical supplies	Nursing home care	All other	
U.S.	102,782	147,866	166,518	74,848	35,821	11,777	15,413	15,309	12,478	748
N.E.	8,313	8,274	10,367	4,963	1,781	689	801	1,353	736	898
Maine	557	688	739	331	134	43	84	108	80	862
N.H.	425	475	541	225	119	43	57	53	42	805
Vt.	257	282	314	135	45	23	31	48	32	630
Mass.	4,340	4,835	5,365	2,511	846	312	367	873	358	935
R.I.	632	702	787	373	140	43	60	118	56	822
Conn.	2,071	2,314	2,580	1,085	498	206	224	355	184	827
M.A.	34,443	28,757	29,324	14,106	5,822	1,978	2,336	3,844	2,248	784
N.Y.	13,288	14,150	15,211	7,399	2,801	990	1,099	1,785	1,186	858
N.J.	4,227	4,728	5,140	2,180	1,201	446	501	411	422	698
Pa.	8,950	7,882	8,974	4,576	1,820	543	738	847	852	756
E.N.C.	34,888	28,828	31,483	14,814	5,826	2,186	2,837	3,864	2,167	788
Ohio	8,334	7,084	7,964	3,802	1,829	525	729	747	533	738
Ind.	2,878	3,280	3,656	1,573	730	213	448	414	278	671
Ill.	7,128	8,008	9,054	4,802	1,842	573	703	881	653	792
Mich.	5,740	6,530	7,376	3,383	1,661	615	679	587	451	802
Wis.	2,786	3,115	3,434	1,455	782	282	277	425	263	742
W.N.C.	10,810	11,388	12,830	5,830	2,548	873	1,082	1,821	886	783
Minn.	2,388	2,681	2,956	1,296	520	230	230	503	177	738
Iowa	1,613	1,862	2,112	897	386	149	184	328	169	724
Mo.	2,846	3,372	3,849	1,904	804	251	319	321	250	790
N. Dak.	403	482	513	230	125	33	37	53	35	788
S. Dak.	354	404	460	203	81	25	29	67	45	667
Nebr.	914	1,015	1,151	506	255	81	106	134	71	737
Kans.	1,382	1,573	1,786	794	378	104	148	215	149	788
S.A.	19,182	21,788	24,489	11,131	5,707	1,637	2,844	1,881	1,788	882
Del.	351	390	432	205	87	31	43	38	20	722
Md.	2,511	2,780	3,133	1,493	677	234	286	236	208	744
D.C.	941	1,041	1,136	747	208	29	59	18	74	(7)
Va.	2,535	2,923	3,318	1,485	790	230	353	235	224	826
W. Va.	942	1,057	1,174	611	237	58	134	48	86	611
N.C.	2,584	2,913	3,307	1,430	706	225	456	253	237	576
S.C.	1,238	1,416	1,585	687	313	86	218	127	144	521
Ge.	2,624	3,033	3,410	1,495	789	238	388	273	228	646
Fla.	5,456	6,236	6,986	2,979	1,889	501	706	357	555	788
E.S.C.	8,773	7,780	8,780	4,101	1,888	586	888	888	677	610
Ky.	1,353	1,752	1,959	875	377	101	254	183	159	542
Tenn.	2,280	2,675	3,010	1,430	675	187	317	180	221	675
Ala.	1,882	2,158	2,428	1,170	482	150	268	193	185	633
Miss.	1,040	1,206	1,384	627	274	70	180	121	131	556
W.S.C.	11,888	13,388	15,084	6,804	3,387	916	1,711	1,484	1,112	880
Ark.	1,027	1,168	1,311	538	271	89	171	165	86	585
La.	2,006	2,303	2,612	1,218	577	151	290	207	189	641
Okla.	1,514	1,717	1,934	825	411	112	221	214	151	684
Tex.	7,078	8,082	9,146	3,924	2,088	583	1,029	818	695	678
M.	5,446	5,301	7,874	3,040	1,853	687	888	584	982	868
Mont.	382	447	508	200	116	44	49	46	51	645
Idaho	388	452	506	179	123	44	61	53	45	584
Wyo.	178	208	237	87	50	20	25	13	33	551
Colo.	1,564	1,778	2,006	857	428	188	172	188	187	725
N. Mex.	546	618	710	351	144	48	70	29	68	567
Ariz.	1,388	1,530	1,758	788	458	138	175	70	120	608
Utah	578	682	756	308	182	73	79	68	48	558
Nev.	426	508	585	251	155	52	87	32	38	628
Pac.	30,125	33,180	38,227	10,881	5,888	2,422	2,326	1,961	2,388	888
Wash.	2,122	2,443	2,758	1,009	588	318	254	305	278	710
Oreg.	1,388	1,618	1,827	674	417	187	188	194	158	728
Calif.	15,851	18,845	20,857	8,473	5,432	1,818	1,787	1,428	1,737	904
Alaska	230	285	295	147	57	29	31	5	27	735
Hawaii	538	618	691	258	204	72	64	28	64	744

A significant portion of D.C.'s health goods and services are provided to Md. and Va. residents, resulting in meaningless per capita estimates.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Dec. 1982.

NO. 154. GOVERNMENT EXPENDITURES FOR HEALTH SERVICES AND SUPPLIES: 1980 AND 1981

[In millions of dollars, except percent. Excludes medical research and construction]

YEAR AND TYPE OF SERVICE	Total ¹	Per- cent distrib- ution	FEDERAL		State and local	Medicare ² (OASDHI)	Public assist- ance ³	OTHER HEALTH SERVICES		
			Total	Per- cent of total				Vet- erans	De- fense Dept. ⁴	Work- ers' com- pen- sation ⁵
1980, total ¹	97,875	100.0	65,980	67.4	31,808	28,028	28,473	5,941	4,233	5,042
Hospital care.....	54,294	55.5	41,119	75.7	13,175	25,964	10,041	4,927	3,448	1,981
Physicians' services.....	12,524	12.8	9,544	76.2	2,981	7,793	2,828	59	123	1,645
Nursing home care.....	11,542	11.8	6,208	53.8	5,334	374	10,808	362	-	-
Drugs and sundries.....	1,640	1.7	812	49.5	828	-	1,518	13	14	77
Administration.....	3,686	3.8	2,033	55.1	1,653	1,122	1,291	49	33	1,141
Public health activities.....	7,007	7.2	1,265	18.0	5,742	-	-	-	-	-
1981, total ¹	114,493	100.0	78,435	68.5	36,059	44,752	33,106	6,859	5,031	5,713
Hospital care.....	64,117	56.0	46,680	75.9	15,437	31,443	11,355	5,497	4,126	2,246
Physicians' services.....	14,962	13.1	11,650	77.9	3,312	9,643	2,956	73	136	1,964
Nursing home care.....	13,559	11.8	7,472	55.1	6,087	422	12,725	412	-	-
Drugs and sundries.....	1,902	1.7	988	50.9	935	-	1,767	13	13	68
Administration.....	4,317	3.8	2,474	57.3	1,844	1,297	1,568	54	33	1,292
Public health activities.....	7,271	6.4	1,314	18.1	5,957	-	-	-	-	-

- Represents zero. ¹Includes other items not shown separately. ²Covers hospital and medical insurance payments and administrative costs under old-age, survivors, disability and health insurance program. ³Covers Medicaid and other medical public assistance. Includes funds paid into Medicare trust fund by States to cover premiums for public assistance recipients and medically indigent persons. ⁴Includes care for retirees and military dependents. ⁵Medical benefits.

NO. 155. PERSONAL HEALTH CARE—THIRD PARTY PAYMENTS AND PRIVATE CONSUMER EXPENDITURES: 1960 TO 1981

[In millions of dollars, except percent]

ITEM	1960	1965	1970	1975	1977	1978	1979	1980	1981
Personal health care expenditures ¹	23,680	35,762	65,146	116,756	148,897	168,671	186,936	219,389	254,973
Third party payments, total.....	10,690	17,240	39,125	77,777	65,980	112,582	127,130	147,301	173,226
Percent of total health care.....	45.1	48.2	60.1	66.6	67.2	67.5	67.3	67.1	67.9
Private insurance payments.....	4,996	8,738	15,619	30,072	40,013	45,044	50,176	56,994	66,773
Government expenditures.....	5,157	7,714	22,472	46,126	57,895	65,316	74,328	87,182	102,905
Philanthropy and industry.....	537	788	1,034	1,578	2,061	2,222	2,626	3,125	3,549
Private consumer expenditures ²	17,986	27,260	41,642	69,051	88,721	98,133	111,982	129,981	148,519
Percent met by private insurance.....	27.8	32.1	37.5	43.6	45.1	45.4	44.8	44.2	45.0
Hospital care.....	5,106	8,176	12,700	22,896	30,138	33,625	38,651	44,828	52,140
Percent met by private insurance.....	64.7	70.9	78.2	81.3	79.2	80.7	78.0	75.5	75.5
Physicians' services.....	5,309	7,882	11,330	18,389	23,798	26,575	29,524	34,294	39,785
Percent met by private insurance.....	30.0	34.0	42.6	50.9	52.3	50.7	49.3	48.0	47.8

¹See headnote, table 156. ²Includes expenditures not shown separately. Excludes net cost of insurance.

NO. 156. PERSONAL HEALTH CARE EXPENDITURES, BY TYPE AND SOURCE OF PAYMENT: 1981

[In millions of dollars, except as indicated. Covers all expenditures for health services and supplies, except net cost of insurance and administration, government public health activities, and expenditures of philanthropic agencies for fund raising activities]

SOURCE	TOTAL EXPENDITURES		Hospi- tal care	Physi- cians' serv- ices	Denti- sts' serv- ices	Other profes- sional services	Drugs and drug sun- dries	Eye- glasses and appli- ances	Nurs- ing home care	Other health serv- ices
	Total	Per capita ¹ (dol.)								
Total.....	254,973	1,090	117,965	64,790	17,808	5,381	21,366	5,724	24,208	7,197
Direct patient payments.....	61,746	349	12,751	20,753	12,275	3,822	17,128	4,719	10,296	-
Third party payments.....	173,226	740	105,245	34,027	5,034	2,559	4,260	1,005	13,910	7,187
Private health insurance.....	66,773	285	39,389	19,031	4,346	1,113	2,357	333	204	-
Government.....	102,905	440	64,117	14,962	689	1,377	1,902	672	13,559	5,627
Philanthropy and industry.....	3,549	15	1,739	33	-	70	-	-	147	1,560
Private ²	152,068	980	83,678	39,616	16,625	5,004	19,486	5,062	10,649	1,836

- Represents zero. ¹For basis of per capita figures, see headnote, table 152. ²Covers direct patient payments, private health insurance, and philanthropy and industry.

Source of tables 154-156: U.S. Health Care Financing Administration, *Health Care Financing Review*, Sept. 1982.

NO. 157. INDEXES OF MEDICAL CARE PRICES: 1960 TO 1982

[1967–1982, 1980 excludes Alaska and Hawaii. Indexes are components of consumer price index; for explanation, see text, pp. 451 and 452. For explanation of average annual percent change, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series B 262–272]

YEAR	Index, total	Average annual percent change	Medical care services ¹	PROFESSIONAL SERVICES			Hospital room	Drugs and prescriptions ¹
				Total ²	Physicians ³	Dental		
1960.....	79.1	² 4.1	74.9	(NA)	77.0	82.1	67.3	104.6
1965.....	89.6	2.5	87.3	(NA)	88.3	92.2	75.9	100.2
1970.....	120.6	6.3	124.2	119.7	121.4	119.4	145.4	103.6
1971.....	128.4	6.5	133.3	127.5	129.6	127.0	183.1	105.4
1972.....	132.5	3.2	138.2	132.1	133.8	132.3	173.9	105.6
1973.....	137.7	3.9	144.3	136.4	138.2	136.4	182.1	105.9
1974.....	150.5	9.3	159.1	148.2	150.9	148.8	201.6	109.6
1975.....	168.6	12.0	179.1	164.5	169.4	161.9	236.1	116.8
1976.....	184.7	9.5	197.1	179.4	188.5	172.2	266.8	128.0
1977.....	202.4	9.6	218.7	194.1	206.0	185.1	299.6	134.1
1978.....	219.4	8.4	236.4	208.6	223.1	196.1	332.4	143.5
1979.....	236.7	9.3	258.3	226.6	243.6	214.6	370.3	153.6
1980.....	265.9	10.9	267.4	252.0	269.3	240.2	418.9	168.1
1981.....	294.5	10.8	316.2	277.9	299.0	263.3	481.1	186.5
1982, May.....	323.6	¹ 12.0	350.2	299.2	324.0	282.1	543.8	204.1

NA Not available. ¹Includes other services, not shown separately. ²Beginning 1978, represents medical care commodities which cover drugs, prescriptions, and other medical supplies. ³Change from 1955. ⁴Change from May 1981–May 1982.

Source: U.S. Bureau of Labor Statistics, *Consumer Price Indexes for Selected Items and Groups*, monthly and annual averages.

NO. 158. BENEFIT EXPENDITURES OF PRIVATE HEALTH INSURANCE ORGANIZATIONS: 1975 TO 1979

[In millions of dollars. For financial data on private health insurance organizations, see table 868]

TYPE OF CARE	Total	BLUE CROSS-BLUE SHIELD			INSURANCE COMPANIES			Independent plans
		Total	Blue Cross	Blue Shield	Total	Group policies	Individual policies	
1975, total.....	30,072	14,192	10,076	4,116	13,157	11,588	1,569	2,729
1976, total.....	35,471	16,227	11,625	4,602	15,483	13,762	1,731	3,751
1977, total.....	40,013	17,826	12,474	5,352	17,208	15,284	1,922	5,161
1978, total.....	45,044	19,465	13,491	5,974	19,057	16,394	2,663	6,522
1979, total.....	60,176	21,724	15,396	6,328	26,146	17,462	2,683	8,307
Hospital care.....	30,130	14,588	14,321	268	12,012	10,126	1,886	3,629
Physicians' services.....	14,677	5,680	426	5,455	5,898	5,152	744	2,902
Dental care and other.....	5,369	1,266	650	605	2,237	2,174	63	1,876

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Fall 1981

NO. 159. PERSONS COVERED BY PRIVATE HEALTH INSURANCE: 1967 TO 1979

TYPE OF CARE	PERCENT UNDER 65 YEARS						PERCENT 65 YEARS AND OVER					
	1967	1970	1975	1977	1978	1979	1967	1970	1975	1977	1978	1979
Hospital care.....	77.0	78.6	78.1	79.2	79.2	79.5	45.0	51.4	52.7	67.3	66.4	64.1
Physicians' services:												
Surgical services.....	75.2	78.9	77.9	78.1	78.5	79.3	44.1	46.7	55.0	49.7	42.4	42.6
In-hospital visits.....	85.8	75.1	79.6	78.3	78.2	80.4	31.1	41.1	42.8	42.1	44.0	44.0
X-ray and laboratory exams.....	60.0	73.8	78.2	71.6	73.6	80.0	18.7	37.4	37.1	37.2	37.4	42.4
Office and home visits.....	(NA)	35.2	63.9	61.2	66.7	65.1	(NA)	17.3	28.6	28.5	28.4	26.5
Dental care.....	2.6	6.5	15.5	22.8	27.0	30.2	.4	.6	2.4	4.8	6.6	6.1
Prescribed drugs (out-of-hospital).....	39.0	53.5	76.1	66.2	66.2	65.2	9.7	15.9	21.8	16.2	16.6	17.6
Private duty nursing.....	41.5	53.1	74.3	65.6	67.5	63.4	11.7	15.8	21.7	15.7	14.2	14.1
Visiting nurse service.....	44.6	56.4	71.8	65.7	69.1	78.4	13.0	18.8	24.1	18.2	26.8	33.7
Nursing home care.....	8.9	15.4	34.6	29.7	38.3	44.0	15.2	24.7	19.6	23.3	35.1	47.6

NA Not available.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Fall 1981. Data for 1967–1975 published by U.S. Social Security Administration in *Social Security Bulletin*, September 1976, and earlier issues.

No. 160. PRIVATE HEALTH INSURANCE—PERSONS COVERED FOR SPECIFIED BENEFITS: 1960 TO 1980

[In millions, except percent. As of December 31. For persons covered under Federal Government programs, see tables 161, 541, 542, 544 and 545. Data for other plans from Survey of Independent Prepaid and Self-Insured Health Plans; see Appendix III. HIAA=Health Insurance Association of America. See *Historical Statistics, Colonial Times to 1970*, series B 401-412, for persons covered]

BENEFIT AND TYPE OF PLAN	1960	1965	1970	1975	1976	1977	1978	1979	1980
Hospital benefits, persons covered:									
Estimate, household survey (net) ¹	¹ 129.8	¹ 145.5	154.1	162.4	164.2	168.4	169.1	170.8	(NA)
Percent of population covered ⁴	¹ 70.0	¹ 73.9	75.7	75.5	75.7	76.8	76.2	76.1	(NA)
Estimate by HIAA (net) ^{5,6}	122.5	136.7	158.8	178.0	176.6	179.0	181.5	183.2	186.1
Percent of population covered ⁴	68.2	71.9	78.1	82.8	81.4	81.6	81.8	81.7	82.1
Blue Cross-Blue Shield plans, gross.....	57.5	63.7	75.5	85.8	85.5	85.1	85.3	85.4	(NA)
Insurance companies, gross ^{6,7}	76.6	87.0	107.2	117.3	102.9	105.1	111.7	109.8	(NA)
Group policies ^{6,7}	54.4	63.0	60.5	87.2	75.9	76.4	75.6	75.5	(NA)
Individual policies.....	22.2	24.0	26.7	30.1	27.0	28.7	36.1	34.4	⁸ 33.9
Other plans, gross ^{9,10}	6.0	7.0	6.1	13.1	14.9	18.1	21.5	25.5	(NA)
Surgical benefits, persons covered:									
Estimate, household survey (net) ¹	¹ 120.5	¹ 142.1	150.0	160.2	160.2	161.7	161.9	165.1	(NA)
Percent of population covered ⁴	¹ 65.0	¹ 72.2	73.7	74.5	73.8	73.7	73.0	73.6	(NA)
Estimate by HIAA (net) ^{5,6}	111.5	130.5	151.4	166.9	167.4	167.2	172.5	173.8	175.4
Percent of population covered ⁴	62.0	67.7	74.4	78.6	77.1	76.2	77.8	77.5	77.4
Blue Cross-Blue Shield plans, gross.....	48.3	56.3	69.1	77.8	77.0	75.4	74.4	73.5	(NA)
Insurance companies, gross ^{6,7}	71.5	83.2	99.5	106.4	93.3	93.0	94.6	95.3	(NA)
Group policies ^{6,7}	55.5	65.5	81.5	88.0	77.2	78.6	77.6	77.6	(NA)
Individual policies.....	16.0	17.7	18.0	18.5	16.1	14.4	16.7	17.7	⁸ 17.4
Other plans, gross ^{9,10}	7.3	6.7	10.5	15.8	18.0	21.5	25.0	29.1	(NA)
Major medical expense: ^{6,9,11}									
Total persons covered, net.....	32.6	69.7	103.5	134.1	135.0	139.4	141.5	147.6	154.2
Insurance companies, net.....	25.4	53.0	77.1	92.2	93.2	96.0	102.5	104.5	107.2
Group policies, net.....	24.4	49.7	73.7	87.0	86.5	91.7	96.1	99.8	102.5
Individual and family policies.....	1.6	4.5	5.4	7.3	6.7	6.1	6.9	7.3	7.5
Blue Cross-Blue Shield.....	3.7	14.6	24.9	42.1	41.7	39.4	39.3	43.3	¹² 45.0
Other plans.....	(NA)	(NA)	(NA)	(NA)	(NA)	12.4	13.7	15.1	¹² 25.7
In-hospital medical visits:									
Estimate by HCFA (net) ¹⁰	(NA)	(NA)	145.6	151.6	159.6	160.2	163.5	167.6	(NA)
Percent of population covered ⁴	(NA)	(NA)	71.5	70.5	73.5	73.0	73.7	74.7	(NA)
Estimate by HIAA (net) ⁵	83.2	109.6	138.7	161.9	163.1	160.4	164.1	163.9	⁸ 166.8
Percent of population covered ⁴	46.3	56.8	88.1	75.3	75.1	73.1	74.0	73.0	73.6
X-ray and lab. exams (out-of-hospital) (net) ¹⁰	(NA)	79.5	142.4	156.7	147.1	146.2	151.1	166.4	(NA)
Percent of population covered ⁴	(NA)	41.2	70.0	72.9	67.8	66.6	68.1	74.2	(NA)
Office and home visits (net) ¹⁰	(NA)	(NA)	67.8	127.7	127.2	124.3	135.8	133.4	(NA)
Percent of population covered ⁴	(NA)	(NA)	33.3	59.4	58.6	56.7	61.2	59.5	(NA)
Dental care (net) ¹⁰	(NA)	3.1	12.0	30.0	39.5	44.4	53.8	60.3	(NA)
Percent of population covered ⁴	(NA)	1.6	5.9	14.0	18.2	20.2	24.3	26.9	(NA)
Prescribed drugs (out-of-hospital) (net) ¹⁰	(NA)	53.2	101.0	149.3	132.3	131.4	132.3	131.2	(NA)
Percent of population covered ⁴	(NA)	27.6	49.6	69.5	61.0	59.9	59.7	58.5	(NA)
Private duty nursing (net) ¹⁰	(NA)	56.0	100.2	145.9	128.9	129.9	133.7	126.9	(NA)
Percent of population covered ⁴	(NA)	29.0	49.2	87.9	59.4	59.2	60.3	56.6	(NA)
Visiting nurse service (net) ¹⁰	(NA)	60.1	106.9	141.6	127.0	130.3	140.0	161.1	(NA)
Percent of population covered ⁴	(NA)	31.2	52.5	65.9	56.5	59.4	63.1	71.8	(NA)
Nursing home care (net) ¹⁰	(NA)	9.9	32.4	70.1	64.0	61.1	84.5	97.6	(NA)
Percent of population covered ⁴	(NA)	5.1	15.9	32.6	29.5	27.9	38.1	43.5	(NA)

NA Not available. ¹Surveys by U.S. National Center for Health Statistics. ²1962 data. ³1967 data. ⁴Based on Bureau of the Census estimated civilian population as of January 1 of following year. ⁵Includes duplication which occurs when persons are members of an independent prepaid or self-insured plan or other health plan with which an insurance company has an administrative service agreement and/or a minimum premium plan. ⁶Beginning 1975, includes Puerto Rico and outlying areas. ⁷Beginning 1976, excludes persons covered in administrative service only and minimum premium plans. ⁸Source: Health Insurance Association of America, Washington, D.C., *Source Book of Health Insurance Data*, annual. ⁹All private plans other than Blue Cross-Blue Shield and insurance companies. ¹⁰Estimates by Health Care Financing Administration (HCFA). ¹¹Coverage provides protection against especially heavy medical bills resulting from "catastrophic" or prolonged illness, and is used to supplement basic medical care insurance or as a comprehensive integrated program providing both basic and major medical protection, including charges for private duty nursing, drugs, and medical appliances. ¹²Preliminary.

Source: Except as noted, U.S. Health Care Financing Administration, *Health Care Financing Review*, Fall 1981. Data for 1960-1976 published by U.S. Social Security Administration in *Social Security Bulletin*, September 1978, and earlier issues.

No. 161. PERSONS WITH HEALTH CARE COVERAGE BY TYPE OF COVERAGE, POVERTY STATUS AND AGE: 1960

[In thousands. Persons as of March 1961 who had coverage in 1960. See headnote, table 519. See also tables 539 and 541]

TYPE OF COVERAGE	Total	Below poverty level	Above poverty level	Under 18 yrs. old	18-64 years old	65 yrs. old and over
Medicare, total ¹	26,200	4,300	21,900	37	2,632	23,531
Medicare only	20,207	2,595	17,612	17	1,552	18,637
Medicare and other health plans ²	2,451	77	2,374	2	486	1,963
Medicaid, total	18,986	11,113	7,853	7,866	8,050	3,031
Medicaid only	12,239	6,875	5,364	5,507	5,732	-
Medicaid and Medicare only	3,541	1,628	1,913	17	614	2,910
Medicaid and group health plan ³ only	2,673	629	2,044	1,207	1,466	-
Medicaid and other health plans	514	181	333	154	239	121
Employer or union provided group health plan	137,307	4,625	132,682	40,679	84,773	1,854
Employer or union helped pay for plan	130,134	4,107	126,027	38,426	80,018	1,692
Paid for all of plan	58,107	1,551	56,556	16,381	40,875	850
Paid for part of plan	72,027	2,556	69,471	22,045	48,140	842
Employer or union did not help pay	7,173	518	6,655	2,253	4,758	162
CHAMPUS ⁴ , V.A. ⁵ or military health care	8,458	779	7,677	2,069	5,758	631

¹Includes Medicaid and Medicare only, shown under Medicaid. ²Excluding Medicaid. ³Employer or union provided.

⁴Civilian Health and Medical Program of the Uniformed Services. The Dept. of Defense operates this program to provide reimbursement (after payment of a deductible) for covered medical care rendered in civilian facilities to wives and children of active military personnel, to retired military personnel and their dependents, and to dependents of deceased personnel. Program is designed for those unable to use Government medical facilities for reasons of distance, overcrowding, or the unavailability of appropriate treatment at a military medical center. ⁵Veterans Administration.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 131

No. 162. PHYSICIANS, DENTISTS, AND NURSES: 1950 TO 1980

[Physicians and dentists as of end of year; nurses as of Jan. 1 except April 1 for 1960. Prior to 1960, data for nurses exclude Alaska and Hawaii. Data for physicians include Puerto Rico and outlying areas. See also *Historical Statistics, Colonial Times to 1970*, series B 275-290]

ITEM	Unit	1950	1960	1965	1970	1975	1976	1977	1978	1979	1980
Physicians, number	1,000	233	275	305	348	409	428	438	464	472	487
Rate per 100,000 population ¹	Rate	149	148	153	168	187	193	196	201	207	211
Doctors of medicine ²	1,000	220	280	292	334	394	408	421	437	455	468
Active (exc. in Federal service)	1,000	(NA)	(NA)	255	282	338	351	362	381	399	416
Rate per 100,000 population ³	Rate	(NA)	(NA)	130	138	156	160	163	170	176	182
Active foreign medical school graduates ⁴	1,000	(NA)	(NA)	(NA)	(NA)	77	81	84	85	90	92
Doctors of osteopathy	1,000	13	14	13	14	15	16	17	17	18	19
Physicians admitted to U.S. as immigrants ⁵	1,000	1.9	1.8	2.0	3.2	5.4	6.2	7.1	4.4	3.0	(NA)
Medical and osteopathic schools	Number	85	91	83	107	123	123	126	134	138	140
Students	1,000	26.8	32.0	34.1	38.7	57.2	58.6	61.9	64.3	66.5	68.3
Graduates	1,000	5.9	7.5	7.8	8.8	13.4	14.3	14.5	15.4	16.0	16.2
Newly licensed physicians, total ⁶	1,000	6.0	6.0	6.1	11.0	16.9	17.7	18.2	19.4	19.9	18.2
Percent of total active M.D.'s	Percent	(NA)	(NA)	3.9	3.5	4.6	4.7	4.6	4.6	4.6	4.2
Graduates of—											
U.S. and Canadian medical schools	1,000	5.7	6.6	7.8	8.0	10.9	11.3	12.3	14.8	16.3	14.9
Foreign medical schools	1,000	.3	1.4	1.5	3.0	6.0	6.4	5.9	4.6	3.6	3.3
Percent of total newly licensed	Percent	5.1	17.7	18.7	27.3	35.4	36.3	32.2	23.8	17.9	18.2
Dentists, number	1,000	80	106	112	118	127	130	133	138	138	141
Active (exc. in Federal service)	1,000	75	86	90	96	107	110	113	115	118	121
Rate per 100,000 population ⁷	Rate	50	47	47	47	50	51	52	53	54	55
Dental schools	Number	41	47	49	53	58	59	59	58	60	60
Students	1,000	11.5	13.6	13.9	16.0	20.1	20.8	21.0	21.5	22.2	22.5
Graduates	1,000	2.8	3.3	3.2	3.7	5.0	5.3	5.2	5.3	5.4	5.3
Nurses, number (active registered)	1,000	375	604	613	700	808	981	1,011	1,088	1,075	1,119
Rate per 100,000 population ⁸	Rate	249	282	319	345	427	449	469	487	490	506
Nursing schools ⁹	Number	1,203	1,119	1,153	1,328	1,347	1,349	1,337	1,339	1,354	1,360
Students ¹	1,000	99	115	130	151	243	248	247	245	239	236
Graduates ¹	1,000	26	30	35	44	74	77	78	78	77	78

NA Not available. ¹Based on Bureau of the Census resident population estimates as of July 1. ²Excludes non-Federal physicians with temporary foreign addresses; see headnote, table 165. ³Based on Bureau of the Census civilian population estimates as of July 1. ⁴Foreign medical graduates exclude graduates of Canadian schools. Source: American Medical Association, Chicago, Ill., *Physician Distribution and Medical Licensure in the U.S.*, annual through 1979; 1980, *Physician Characteristics and Distribution in the U.S., 1981*. For newly-licensed physicians prior to 1975, and for 1980, *Medical Licensure Statistics*, annual and U.S. *Medical Licensure Statistics, 1960-1981 and License Requirements, 1982*, respectively. All publications copyright. ⁵Estimated. ⁶Source: U.S. Immigration and Naturalization Service, *Annual Report*. ⁷1960-1970 includes Puerto Rico, 1965 and 1970 include Guam and Virgin Islands.

Source: Except as noted, U.S. National Center for Health Statistics, *Health Resources Statistics*, annual through 1979, and 1978. Beginning 1978, unpublished data.

NO. 163. PHYSICIANS, BY SEX, SPECIALTY, AND MAJOR PROFESSIONAL ACTIVITY: 1970 TO 1980

(In thousands, except percent. As of December 31. Includes Puerto Rico and outlying areas)

SPECIALTY	1970		1975, total	1979, total	1980						Other professional ¹
	Total	Per- cent			Total		Patient care				
					Num- ber	Per- cent	Total	Of- ice- based	Hospital-based		
									Full- time	Resi- dents ¹	
Total.....	334.6	100.0	393.7	444.6	467.7	100.0	378.5	272.0	42.5	82.0	38.4
Male.....	(NA)	(NA)	358.1	404.0	413.4	88.4	336.5	251.4	36.4	48.7	33.7
Female.....	(NA)	(NA)	35.6	50.6	54.3	11.6	40.0	20.6	6.0	13.3	4.7
General practice.....	57.9	17.3	54.8	56.1	60.0	12.8	58.6	48.0	4.3	6.3	1.4
Medical ²	77.2	23.1	95.1	118.9	125.8	26.9	109.5	76.1	11.5	22.0	16.2
Internal medicine.....	41.8	12.5	54.3	68.6	71.5	15.3	63.0	40.6	6.2	16.2	11.0
Pediatrics.....	17.0	5.4	21.7	26.7	28.3	6.1	25.4	17.5	2.8	5.2	2.9
Surgical ³	86.0	25.8	98.0	107.6	110.8	23.7	106.5	81.9	7.2	17.4	4.3
General surgery.....	29.6	8.8	31.6	33.2	34.0	7.3	32.6	22.4	2.6	7.5	1.4
Obstetrics, gynecology.....	18.9	5.7	21.7	25.2	26.3	5.6	25.3	19.5	1.6	4.1	1.0
Orthopedic.....	9.8	2.9	11.4	13.5	14.0	3.0	13.6	10.7	.8	2.1	.4
Ophthalmology.....	9.0	3.0	11.1	12.6	13.0	2.8	12.4	10.6	.5	1.3	.5
Other ⁴	69.6	20.8	94.6	109.1	116.3	25.3	101.9	75.0	19.6	16.3	16.5
Psychiatry.....	21.1	6.3	23.9	26.9	27.5	5.9	24.5	16.0	5.2	3.3	3.0
Anesthesiology.....	10.1	3.0	12.9	15.4	16.0	3.4	14.9	11.3	2.1	1.6	1.0
Pathology.....	10.9	3.1	11.7	13.3	13.4	2.9	11.1	6.0	3.1	2.0	2.3
Radiology.....	10.5	3.1	11.5	11.7	11.7	2.5	10.8	7.6	2.1	.9	.9

NA Not available. ¹Includes interns. ²Medical teaching, administration, research, and other.³1970, includes 19,821 inactive, 358 not classified, 3,204 address unknown; 1975, 21,449 inactive, 29,145 not classified, 5,898 address unknown; 1979, 28,338 inactive, 23,537 not classified, 6,860 address unknown; and 1980, 25,744 inactive, 20,629 not classified, and 5,390 address unknown. ⁴Includes other specialties not shown separately.Source: American Medical Association, Chicago, Ill., *Distribution of Physicians in the U.S., 1970*; 1975 and 1979, *Physician Distribution and Medical Licensure in the U.S., annual*; and *Physician Characteristics and Distribution in the U.S., 1981* (Copyright.)

NO. 164. ACTIVE NON-FEDERAL PHYSICIANS, 1970 AND 1980, AND DENTISTS, 1980—STATES

(See headline, table 162. Excludes doctors of osteopathy, Federal physicians and dentists, and physicians with addresses unknown. Rates based on U.S. Bureau of the Census population estimates as of July 1; see source)

STATE	PHYSICIANS				DENTISTS, 1980		STATE OR OTHER AREA	PHYSICIANS				DENTISTS, 1980	
	Total		Rate ¹					Total		Rate ¹			
	1970	1980	1970	1980	Total	Rate ¹		1970	1980	1970	1980	Total	Rate ¹
U.S.	279,212	413,962	136	185	121,340	54.9	Mont.	679	1,040	96	133	467	59.3
Ala.	2,985	4,856	84	125	1,380	36.7	Nebr.	1,561	2,319	107	149	565	61.9
Alaska	199	491	73	128	214	54.9	Nev.	504	1,097	104	136	353	64.0
Ariz.	2,211	4,814	125	178	1,212	47.5	N.H.	926	1,490	125	162	482	55.5
Ark.	1,629	2,772	85	121	793	35.7	N.J.	9,770	13,937	137	190	4,860	84.9
Calif.	34,981	54,062	178	230	14,346	64.7	N. Mex.	1,043	1,972	104	153	558	45.1
Colo.	3,627	5,664	167	198	1,743	62.5	N.Y.	40,730	48,808	223	267	12,641	71.6
Conn.	5,412	7,730	179	249	2,290	73.1	N.C.	5,218	8,674	105	153	2,203	36.6
Del.	682	949	125	161	261	43.7	N. Dak.	542	684	89	137	302	48.8
D.C.	2,745	3,474	371	582	582	82.8	Ohio	13,367	17,456	128	162	5,337	49.6
Fla.	6,480	17,479	126	179	4,578	48.0	Okla.	2,427	3,850	96	126	1,237	43.7
Ga.	4,617	7,726	102	143	2,142	40.7	Oreg.	2,803	4,760	134	181	1,779	72.9
Hawaii	1,064	1,865	146	207	599	67.6	Pa.	16,885	22,096	143	187	6,664	56.9
Idaho	624	1,007	86	107	476	53.5	R.I.	1,255	1,988	146	211	522	54.4
Ill.	14,462	20,865	131	183	8,214	55.2	S.C.	2,194	4,129	87	135	1,086	36.6
Ind.	4,968	7,022	86	128	2,370	44.0	S. Dak.	503	766	78	112	308	45.0
Iowa	2,733	3,657	87	126	1,497	51.6	Tenn.	4,433	7,169	113	157	2,164	49.7
Kans.	2,428	3,686	110	157	1,095	47.6	Tex.	12,275	21,531	111	152	5,848	44.7
Ky.	3,107	4,820	87	133	1,584	44.9	Utah	1,377	2,373	130	182	917	69.5
La.	4,141	8,501	115	155	1,889	42.7	Va.	756	1,087	170	212	293	58.4
Maine	972	1,680	96	150	505	45.4	Wash.	5,234	9,154	117	175	2,549	69.0
Md.	6,714	11,210	173	268	2,500	57.8	W. Va.	4,658	7,961	139	180	2,683	74.2
Mass.	11,036	16,564	195	272	4,079	66.2	Wis.	1,708	2,610	96	134	753	40.7
Mich.	10,384	14,626	117	158	5,085	54.7	Wyo.	5,003	7,462	113	158	2,850	59.6
Minn.	5,420	7,718	143	189	2,588	64.1		204	530	92	113	226	55.8
Miss.	1,737	2,664	79	107	766	32.6	Puerto Rico	2,345	3,867	87	121	(NA)	(NA)
Mo.	5,647	7,979	122	163	2,404	49.8	Outlying areas	145	179	55	50	(NA)	(NA)

NA Not available. ¹Per 100,000 civilian population.Source: U.S. National Center for Health Statistics, *Health Resources Statistics, 1970*, and unpublished data.

NO. 165. PHYSICIANS, BY TYPE OF PRACTICE: 1965 TO 1980

[As of December 31. Includes Puerto Rico and outlying areas. 1965 data for doctors of medicine by type of practice not comparable with later years due to changes in classification. Excludes 4,148 non-Federal physicians with temporary foreign addresses in 1970, 5,559 in 1975, 5,804 in 1976, 5,790 in 1977, 5,843 in 1978, 6,180 in 1979, and 6,755 in 1980.]

TYPE OF PRACTICE	NUMBER (1,000)								PERCENT DISTRIBUTION			
	1965	1970	1975	1976	1977	1978	1979	1980	1965	1970	1975	1980
All physicians	305.1	348.3	408.0	425.8	437.8	454.3	472.4	486.5	100	100	100	100
Doctors of medicine	292.1	334.0	393.7	408.4	421.3	437.5	454.8	467.7	96	96	98	98
Active M.D.'s	277.6	311.2	366.4	378.6	382.0	401.4	417.3	435.5	91	90	90	90
Non-Federal ¹	268.1	301.3	359.7	373.1	390.4	408.0	427.1	443.5	88	87	88	91
Patient care	239.3	255.0	287.8	294.7	315.7	325.8	341.5	361.9	78	73	70	74
Office based ²	185.3	188.9	213.3	214.7	231.1	238.9	248.9	271.2	61	54	52	56
General practice ³	85.7	50.8	48.3	48.0	45.1	45.1	48.7	47.7	22	12	11	10
Specialty	119.6	138.1	167.0	166.7	186.0	193.8	202.2	223.5	39	40	41	46
Training programs	39.6	45.8	53.5	58.9	58.9	57.2	61.4	68.8	13	13	13	12
Full-time hospital staff	14.3	20.3	21.0	21.1	25.8	29.6	31.1	31.0	5	6	5	6
Other professional activity	15.5	26.3	24.3	26.1	27.9	28.6	33.7	35.2	5	8	6	7
Retired, not in practice	13.3	19.6	21.4	22.1	29.4	28.8	28.3	25.7	4	6	5	5
Federal	22.8	29.5	28.2	27.6	19.9	20.2	18.5	17.8	8	8	7	4
Patient care ⁴	20.2	23.5	24.1	23.7	16.6	16.9	15.3	14.6	7	7	6	3
Full-time hospital staff	16.3	14.6	17.7	17.7	12.0	12.8	11.8	11.4	5	4	4	2
Other professional activity	2.7	8.0	4.1	3.9	3.3	3.3	3.2	3.2	1	2	1	1
Not reported ⁵	1.2	3.2	5.0	8.6	10.9	9.3	9.0	6.4	(2)	1	1	1
Doctors of osteopathy ⁶	13.0	14.3	15.4	16.4	16.8	18.8	18.0	18.8	4	4	4	4

² Less than 5 percent. ¹ Beginning 1970, includes physicians not classified. ³ Covers all physicians rendering patient care (or patient services by pathologists) in solo, partnership, group practice, or other arrangement and those in industry, insurance companies, health depts., laboratories, etc. ⁴ Includes family practice. ⁵ Includes Federal physicians in office-based practice and training programs. ⁶ Physicians with unknown addresses. ⁷ Source, beginning 1970: American Osteopathic Association, Chicago, Ill.

Source: Except as noted, 1965-1978, U.S. National Center for Health Statistics, *Health Resources Statistics*, annual through 1976, and 1978; beginning 1979, American Medical Association, Chicago, Ill., *Physician Distribution and Medical Licensure in the U.S., 1978*, (copyright) and *Physician Characteristics and Distribution in the U.S., 1981* (copyright).

NO. 166. EMPLOYED PERSONS IN SELECTED HEALTH OCCUPATIONS: 1975 TO 1981

[In thousands except percent. Persons 16 years old and over. Annual averages based on data collected by Bureau of the Census as part of Current Population Survey; see Appendix III.]

OCCUPATION	1975	1980	1981			OCCUPATION	1975	1980	1981		
			Num-ber	Percent—					Num-ber	Percent—	
				Fe-male	Black ¹					Fe-male	Black ²
Total	4,166	5,140	5,328	75.0	18.8	Health administrators	154	213	219	49.8	5.8
Physicians, dentists, and related ³	661	603	628	14.4	11.0	Health technologists and technicians	406	586	643	72.3	14.9
Dentists	112	143	130	4.6	6.2	Clinical laboratory	181	242	276	78.8	19.2
Pharmacists	122	125	152	25.7	9.2	Radiology	80	102	104	68.3	11.5
Physicians ⁴	363	444	454	13.7	14.5	Health service ⁵	1,734	1,929	1,995	89.2	24.3
Registered nurses	948	1,327	1,339	96.8	12.3	Health aides and trainees ⁶	222	295	317	84.2	21.5
Therapists	181	220	261	70.5	12.0	Nursing aides ⁷	1,009	1,106	1,131	86.6	29.0
Dietitians	36	60	63	93.7	23.8	Practical nurses	374	383	403	97.8	19.9

¹ Comprises all races other than White. ² Includes other occupations not shown separately. ³ Medical and osteopathic. ⁴ Excludes nursing. ⁵ Includes orderlies and attendants.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January 1982 and unpublished data.

NO. 167. PHYSICIAN AND DENTAL VISITS: 1970 TO 1980

[Refers to the civilian noninstitutional population. Based on National Health Interview Survey; see Appendix III.]

SEX AND AGE OF PATIENT	PHYSICIAN VISITS						DENTAL VISITS					
	1970	1975	1977	1978	1979	1980	1970	1975	1977	1978	1979	1980
Total visits (million)	927	1,056	1,026	1,017	1,022	1,036	304	341	343	342	366	384
By males (million)	396	435	426	417	422	426	133	153	154	149	182	198
By females (million)	531	621	599	599	600	610	171	188	189	193	204	207
Visits per person	4.6	5.1	4.8	4.8	4.7	4.8	1.5	1.6	1.6	1.6	1.7	1.7
By males	4.1	4.3	4.2	4.0	4.1	4.0	1.4	1.5	1.6	1.4	1.6	1.5
By females	5.1	5.7	5.4	5.4	5.4	5.4	1.7	1.7	1.7	1.7	1.8	1.8
Under 5 years	5.9	6.5	6.3	6.4	6.5	6.7	.5	.6	.5	.6	.5	.5
6-16 years	2.9	3.2	3.1	3.1	3.0	3.2	1.9	2.0	2.0	2.1	2.1	2.3
17-24 years	4.6	4.8	4.3	4.3	4.3	4.0	1.8	1.8	1.6	1.5	1.6	1.6
25-44 years	4.6	5.1	4.7	4.7	4.5	4.6	1.7	1.7	1.7	1.7	1.8	1.7
45-64 years	5.2	5.6	5.4	5.3	5.2	5.1	1.5	1.6	1.6	1.7	1.9	1.8
65 years and over	6.3	6.6	6.6	6.3	6.3	6.4	1.1	1.2	1.3	1.2	1.4	1.4

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

No. 166. VISITS TO PHYSICIANS, BY TYPE OF VISIT, RACE, AND FAMILY INCOME: 1980

[Refers to civilian noninstitutional population. Based on National Health Interview Survey; see Appendix III]

RACE AND FAMILY INCOME	Total ¹	Physicians' offices	Emergency room ²	Phone consultation	RACE AND FAMILY INCOME	Total ¹	Physicians' offices	Emergency room ²	Phone consultation
Visits, total ² (mil.)	1,096	709	134	136	White—Con:				
White (mil.)	903	625	101	118	\$15,000–\$24,999	100.0	71.1	10.1	13.4
Black (mil.)	115	67	30	6	\$25,000 or more	100.0	70.8	9.0	14.4
Percent distribution:					Black	100.0	58.1	25.6	5.2
All races ³	100.0	67.9	12.9	12.2	Under \$5,000	100.0	55.5	27.0	4.6
White	100.0	68.2	11.2	13.1	\$5,000–\$9,999	100.0	53.1	30.2	4.2
Under \$5,000	100.0	61.7	16.7	11.5	\$10,000–\$14,999	100.0	61.8	25.3	3.6
\$5,000–\$9,999	100.0	68.1	13.4	11.2	\$15,000–\$24,999	100.0	63.3	20.4	5.1
\$10,000–\$14,999	100.0	67.8	11.7	14.1	\$25,000 or more	100.0	63.7	15.4	12.1

¹Includes other types of visits, not shown separately. ²Includes visits to hospital outpatient department. ³Includes other races not shown separately. ⁴Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, unpublished data.

No. 169. UNINCORPORATED AND INCORPORATED PHYSICIANS AND DENTISTS—MEDIAN EARNINGS FROM PRACTICE: 1970 TO 1980

[In thousands of dollars. Based on random sampling of office-based M.D.'s. 1980 data for physicians are based on 4,107 returned questionnaires (36 percent of all questionnaires mailed in 1981). *Unincorporated*: Represents net income from practice after payment of tax-deductible professional expenses but before payment of income taxes. For 1970, data relate to doctors of medicine (M.D.'s) under age 65 in private practice; 1975–1980, to office-based, patient care M.D.'s all ages. *Incorporated*: Complete office-based, patient care doctors of medicine (M.D.'s) of all ages who are shareholders of a medical corporation. Earnings include salary, bonuses (if any), and funds set aside by corporation for individual's retirement. Data for dentists cover gross income (total collected fees) minus professional expenses. For definition of median, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series D 918–919, for physicians and dentists]

FIELD OF PRACTICE	UNINCORPORATED						INCORPORATED				
	1970	1975	1977	1978	1979	1980	1975	1977	1978	1979	1980
All doctors of medicine ¹	41.5	47.5	62.6	64.7	60.6	63.6	76.3	79.3	82.3	86.3	86.1
General practitioners	37.4	38.6	46.0	46.7	50.5	54.2	59.2	63.4	71.0	70.8	74.7
Internists	41.3	53.7	58.6	53.7	69.3	83.9	71.1	73.5	73.6	79.8	80.6
General surgeons	45.0	63.7	56.7	62.5	65.6	83.3	83.3	81.6	88.8	89.6	101.8
Obstetricians-gynecologists	47.1	57.5	57.3	63.2	75.8	71.0	83.4	92.9	88.4	95.3	109.6
Pediatricians	35.9	43.5	49.2	49.1	53.7	56.7	58.6	62.5	67.1	67.0	74.0
Family practitioners	(NA)	48.2	54.8	58.1	67.3	66.3	61.9	69.4	66.9	68.0	75.6
All dentists ²	28.1	30.2	40.0	38.9	(NA)	(NA)	(NA)	(NA)	60.0	(NA)	(NA)

NA Not available. ¹Includes specialties not shown separately. ²Source: American Dental Association, Chicago, Ill., *Survey of Dental Practice*, biennial (copyright). Incorporated included in unincorporated for all years. ³1974 data. ⁴1976 data.

Source: Except as noted, Medical Economics Company, Oradell, N.J., *Medical Economics*. (Copyright © by Medical Economics Company, further reproduction prohibited without written permission of copyright owner.)

No. 170. AVERAGE FEES FOR INITIAL AND FOLLOWUP OFFICE VISITS, BY MEDICAL SPECIALTY: 1971 TO 1980

[Initial office visit covers new patients. Followup office visit covers established patients previously seen by the physician. Based on sample survey of physicians and subject to sampling variability]

MEDICAL SPECIALTY	INITIAL OFFICE VISIT					FOLLOWUP OFFICE VISIT				
	1971	1975	1979	1979	1980	1971	1975	1979	1979	1980
All specialties ¹	\$16.00	\$21.30	\$27.60	\$30.47	\$33.39	(NA)	\$13.08	(NA)	\$19.44	\$20.86
Annual percent change ²	16.3	7.3	9.2	10.4	9.2	(NA)	5.1	(NA)	10.4	7.8
General practice	\$9.65	\$13.11	\$16.55	\$18.21	\$20.43	\$6.93	\$9.29	\$12.15	\$13.67	\$16.18
Internal medicine	20.36	26.11	32.53	36.18	40.18	9.06	13.56	16.83	19.68	20.46
Surgery	16.43	20.81	26.52	29.04	31.83	9.16	12.22	16.81	17.61	19.00
Pediatrics	11.18	16.16	19.03	21.06	22.15	7.89	11.07	13.72	15.65	16.40
Obstetrics-gynecology	17.59	23.57	29.65	30.70	34.03	9.52	13.73	18.23	19.04	20.68

NA Not available. ¹Includes specialties not shown separately. ²Average change from prior year shown, except as noted. See Guide to Tabular Presentation. ³Change from 1969. ⁴Change from 1974.

Source: American Medical Association, Chicago, Ill., *Reference Data on Profile of Medical Practice*, annual. (Copyright.)

No. 171. HOSPITALS AND NURSING HOMES—SUMMARY CHARACTERISTICS: 1968 TO 1980

[Based on National Master Facility Inventory; see Appendix III]

YEAR AND TYPE OF FACILITY	Total	FACILITIES UNDER—			FACILITIES WITH—			Resi- dents ¹ (1,000)	Full- time em- ployees (1,000)
		Govt. control	Profit control	Non- profit control	6-24 beds	25-74 beds	75 or more beds		
1968: All facilities.....	26,176	4,147	15,313	6,716	8,582	10,294	7,300	2,034	2,450
Nursing homes.....	18,185	1,376	14,048	2,761	7,779	7,383	3,023	783	(NA)
Hospitals.....	7,991	2,771	1,265	3,955	803	2,911	4,277	1,250	(NA)
1971: All facilities.....	29,682	4,178	18,091	7,413	8,902	10,959	9,821	2,282	3,007
Nursing homes.....	22,004	1,368	17,049	3,587	8,266	8,259	5,479	1,078	568
Hospitals.....	7,678	2,810	1,042	3,826	636	2,700	4,342	1,186	2,439
1973: All facilities.....	29,272	4,063	17,712	7,497	7,876	10,616	10,780	2,318	3,196
Nursing homes.....	21,834	1,319	16,712	3,803	7,383	8,081	6,370	1,196	636
Hospitals.....	7,438	2,744	1,000	3,694	493	2,535	4,410	² 1,120	2,560
1976: All facilities.....	27,739	4,055	16,339	7,345	6,111	9,868	11,760	2,343	3,496
Nursing homes ³	20,468	1,402	15,343	3,723	5,675	7,531	7,262	1,293	653
Hospitals.....	7,271	2,653	996	3,622	436	2,337	4,496	1,050	2,845
1978: All facilities.....	25,661	3,821	14,961	7,079	5,810	8,574	11,497	2,257	3,638
Nursing homes.....	18,722	1,214	14,023	3,485	5,414	6,306	7,002	1,240	664
Hospitals.....	7,159	2,607	958	3,594	396	2,268	4,495	1,017	2,974
1980: All hospitals ⁴	7,051	2,562	942	3,547	354	2,211	4,486	1,031	3,121
General.....	6,176	2,165	734	3,277	318	1,957	3,903	817	2,765
Psychiatric.....	504	282	131	91	15	121	368	167	251
Chronic.....	55	35	4	16	-	8	47	16	22
Tuberculosis.....	11	9	-	2	-	1	10	1	3

- Represents zero. NA Not available. ¹ Number of residents as of date of interview, except as noted.² Average daily patients. ³ See footnote 2, table 180. ⁴ Includes types not shown below.Source: U.S. National Center for Health Statistics, *Health Resources Statistics*, annual; beginning 1976, biennial.

No. 172. NONGOVERNMENT HEALTH SERVICE ESTABLISHMENTS: 1977

[Tax-exempt establishments without payroll were excluded from census coverage. See Appendix III, and section 30]

TYPE OF ESTABLISHMENT	ALL ESTABLISHMENTS			ESTABLISHMENTS WITH PAYROLL			
	Number (1,000)		Receipts (mil. dol.)	Num- ber (1,000)	Receipts or ex- penses ¹ (mil. dol.)	Payroll (mil. dol.)	Paid employ- ees ² (1,000)
	Total	Sole propri- etorships					
Total establishments.....	(NA)	(NA)	(X)	291.0	(X)	45,594	4,455
Taxable.....	³ 444.1	³ 317.7	³ 59,130	278.7	55,508	22,745	2,024
Tax-exempt.....	(NA)	(NA)	(NA)	12.3	43,961	22,849	2,431
Offices of physicians ⁴	189.1	118.3	28,756	136.2	26,949	11,854	624
Offices of dentists ⁴	99.3	76.0	10,007	82.7	9,529	3,044	284
Offices of osteopathic physicians ⁴	5.9	3.7	776	5.2	755	308	20
Offices of chiropractors ⁴	14.3	13.0	680	7.6	536	110	16
Offices of optometrists ⁴	16.6	13.3	1,552	12.1	1,396	289	32
Offices of health practitioners, n.e.c. ^{4,5}	(NA)	(NA)	(NA)	7.3	606	213	21
Medical and dental laboratories ⁴	15.7	8.1	2,459	10.7	2,347	960	86
Nursing and personal care facilities.....	(NA)	(NA)	(X)	13.1	(X)	4,753	865
Taxable.....	30.4	21.1	7,344	10.8	7,195	3,549	663
Tax-exempt.....	(NA)	(NA)	(NA)	2.3	2,216	1,203	202
Hospitals.....	(NA)	(NA)	(X)	4.6	(X)	22,126	2,301
Taxable.....	1.0	(Z)	4,744	1.0	4,744	1,793	203
Tax-exempt.....	(NA)	(NA)	(NA)	3.6	39,197	20,333	2,098
Outpatient care facilities.....	(NA)	(NA)	(X)	7.4	(X)	1,341	119
Taxable.....	(NA)	(NA)	(NA)	3.2	997	423	34
Tax-exempt.....	(NA)	(NA)	(NA)	4.2	1,805	918	85
Health and allied services, n.e.c. ^{4,5}	(NA)	(NA)	(NA)	2.0	453	203	39
Other tax-exempt health services.....	(NA)	(NA)	(NA)	2.2	743	395	46

NA Not available. X Not applicable. Z Fewer than 50.

¹ Data for taxable establishments are receipts and for tax-exempt establishments with payroll, expenses. ² For week including March 12. ³ Includes establishments with no paid employees which could not be assigned to a specific industry code.⁴ Taxable establishments only. Data for tax-exempt establishments with payroll in this type of establishment are included in "other tax-exempt health services". ⁵ N.e.c. = Not elsewhere classified.Source: U.S. Bureau of the Census, *Census of Service Industries, 1977, Geographic Area Series*, SC 77-A-52 and SC 77-A-53.

No. 173. HOSPITALS—SUMMARY CHARACTERISTICS, BY TYPE OF SERVICE AND CONTROL:
1960 TO 1960

[Covers hospitals accepted for registration by American Hospital Association; see text, pp. 99 and 100. Short-term hospitals have an average patient stay of less than 30 days; long-term, an average stay of longer duration. Special hospitals include obstetrics and gynecology; eye, ear, nose, and throat; rehabilitation; orthopedic; and chronic and other special hospitals except psychiatric, tuberculosis, alcoholism, and chemical dependency hospitals. See also *Historical Statistics, Colonial Times to 1970*, series B 305-318, B 331-344, and B 413-422]

ITEM	1960	1960	1970	1974	1975	1970	1977	1970	1975	1980
Number:										
All hospitals	6,878	7,123	7,123	7,174	7,156	7,082	7,099	7,015	6,968	6,965
With 100 beds or more	2,903	3,153	3,468	3,665	3,691	3,723	3,757	3,750	3,749	3,755
Non-Federal	6,441	6,680	6,715	6,787	6,774	6,702	6,722	6,645	6,627	6,606
Short-term general and special	5,407	5,736	5,859	5,977	5,979	5,958	5,973	5,935	5,923	5,904
Nongovernmental nonprofit	3,291	3,426	3,386	3,381	3,364	3,368	3,371	3,360	3,350	3,339
For profit	856	857	789	775	775	752	751	732	727	730
State and local government	1,280	1,453	1,704	1,821	1,840	1,636	1,851	1,843	1,846	1,835
Long-term general and special	308	283	236	221	215	197	189	189	165	157
Psychiatric	488	483	519	543	544	528	541	526	527	534
Tuberculosis	236	178	101	46	36	21	19	15	12	11
Federal	435	443	408	387	382	360	377	370	361	359
Beds (1,000):										
All hospitals	1,658	1,704	1,816	1,513	1,486	1,434	1,407	1,381	1,372	1,365
Rate per 1,000 population ¹	9.3	8.9	7.9	7.1	6.8	6.6	6.4	6.2	6.1	6.0
Beds per hospital	241	239	227	211	205	202	196	196	196	196
Non-Federal	1,481	1,530	1,455	1,377	1,334	1,305	1,284	1,259	1,255	1,248
Short-term general and special	639	741	848	931	947	961	974	960	968	992
Rate per 1,000 population ¹	3.6	3.9	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Nongovernmental nonprofit	446	515	592	650	659	671	680	684	690	693
For profit	37	47	53	70	73	76	80	81	83	87
State and local government	156	179	204	211	215	214	214	215	214	212
Long-term general and special	67	86	60	54	51	49	45	41	40	39
Psychiatric	722	665	527	383	330	291	261	235	224	215
Tuberculosis	52	37	20	8	6	4	3	3	2	2
Federal	177	174	161	136	132	129	124	122	117	117
Occupancy rate: ²										
All hospitals	84.6	82.3	80.3	77.2	76.7	76.0	75.8	75.5	76.1	77.7
Non-Federal	(NA)	(NA)	(NA)	76.8	76.3	75.7	75.4	75.2	75.9	77.4
Short-term general and special	74.7	76.0	78.0	75.3	74.8	74.4	73.6	73.5	73.8	75.4
Nongovernmental nonprofit	76.6	77.8	80.1	77.8	77.4	77.1	76.3	76.1	76.5	78.2
For profit	65.4	66.6	72.2	67.5	65.9	64.8	64.6	63.8	63.9	65.2
State and local government	71.6	72.8	73.2	70.2	69.7	69.2	68.3	68.7	69.1	70.7
Long-term general and special	66.9	65.3	62.0	62.5	62.1	62.7	64.3	64.0	66.1	65.9
Psychiatric	93.1	88.6	84.8	80.0	80.3	79.1	80.7	80.9	83.2	85.2
Tuberculosis	75.4	70.0	61.8	63.2	57.7	57.8	60.4	59.9	61.8	67.0
Federal	67.2	66.1	79.6	80.7	80.7	79.3	79.6	78.4	78.2	80.1
Expenses (bil. dol.): ³										
All hospitals	8.4	12.9	25.6	41.4	48.7	56.0	63.6	70.9	79.8	91.9
Non-Federal	7.3	11.4	23.1	37.4	44.2	50.7	57.5	64.2	72.5	84.0
Short-term general and special	5.6	9.1	19.6	32.8	39.1	45.4	51.8	58.3	66.2	77.0
Nongovernmental nonprofit	4.1	6.6	14.2	23.5	28.0	32.8	37.5	42.3	46.0	55.8
For profit .....	.3	.5	1.1	2.0	2.6	3.1	3.7	4.2	4.8	5.8
State and local government	1.2	2.0	4.3	7.2	8.6	9.5	10.6	11.9	13.4	15.3
Long-term general and special .....	.3	.4	.6	.9	1.0	1.1	1.1	1.1	1.1	1.2
Psychiatric	1.2	1.7	2.7	3.7	4.0	4.2	4.5	4.7	5.1	5.8
Tuberculosis .....	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1
Federal	1.1	1.6	2.5	4.0	4.5	5.3	6.2	6.7	7.3	7.9
Personnel (1,000): ⁴										
All hospitals	1,598	1,952	2,537	2,919	3,023	3,108	3,213	3,280	3,382	3,492
Non-Federal	1,412	1,754	2,321	2,675	2,766	2,839	2,935	3,002	3,109	3,213
Short-term general and special	1,080	1,386	1,929	2,289	2,399	2,483	2,561	2,682	2,762	2,879
Nongovernmental nonprofit	792	1,011	1,387	1,634	1,714	1,793	1,863	1,927	2,000	2,087
For profit	48	70	97	133	139	147	159	165	174	189
State and local government	241	308	444	522	546	543	559	571	588	602
Long-term general and special	55	65	69	69	68	66	63	58	61	56
Psychiatric	238	274	308	308	292	285	287	278	262	275
Tuberculosis	39	29	18	9	7	5	5	4	3	3
Federal	186	199	216	244	256	269	278	277	273	279
Personnel per 100 patients: ⁴										
All hospitals	114	139	196	250	269	285	301	315	324	329
Non-Federal	113	140	196	253	272	287	303	317	327	333
Short-term general and special	226	246	292	326	339	347	360	370	379	385
Nongovernmental nonprofit	232	252	292	323	336	346	359	370	379	385
For profit	198	216	256	283	288	297	307	319	326	334
State and local government	215	234	298	351	365	367	382	387	398	401
Long-term general and special	95	115	140	154	162	163	167	168	174	170
Psychiatric	35	45	68	100	110	124	136	147	151	150
Tuberculosis	99	111	146	164	216	225	227	246	252	280
Federal	120	133	169	223	240	263	262	280	296	297

NA Not available. ¹Based on Bureau of the Census estimated resident population as of July 1. ²Ratio of average daily census to every 100 beds. ³Excludes new construction. ⁴Includes full-time equivalents of part-time personnel.

Source: American Hospital Association, Chicago, Ill., *Hospital Statistics*, annual. (Copyright.)

No. 174. HOSPITAL EXPENSE PER INPATIENT DAY: 1970 TO 1980

[In dollars, except percent. Covers non-Federal short-term general and special hospitals accepted for registration by American Hospital Association. For definition of short-term, see headnote, table 173. Inpatient days have been adjusted for outpatient visits]

EXPENSES BY HOSPITAL TYPE	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total expenses	74	83	95	102	113	133	152	173	194	216	244
Annual percent change ¹	14.7	13.2	13.4	7.8	11.2	17.6	14.4	13.8	11.9	11.3	13.3
Nongovernmental nonprofit	75	86	96	103	113	133	153	175	195	218	246
For profit	71	81	92	99	109	133	156	177	202	226	257
State and local government	71	77	93	100	114	132	149	167	187	205	236
Labor expenses ²	(NA)	53	59	63	69	79	86	100	111	123	138
Percent of total	(NA)	63.6	62.6	61.8	60.7	59.4	57.9	57.5	57.2	57.0	56.4
Nongovernmental nonprofit	(NA)	54	60	64	69	80	90	102	113	126	140
For profit	(NA)	45	50	52	58	65	73	82	91	105	118
State and local government	(NA)	51	59	63	71	81	86	99	110	120	136

NA Not available. ¹For explanation of annual percent change, see Guide to Tabular Presentation. Average change from prior year shown. For 1970, change from 1965. ²Covers payroll and employee benefit expenses.

Source: American Hospital Association; Chicago, Ill., *Hospital Statistics*, annual. (Copyright.)

No. 175. AVERAGE DAILY HOSPITAL ROOM CHARGES, 1975 TO 1982, AND AVERAGE COST TO COMMUNITY HOSPITALS PER PATIENT, 1975 AND 1980—STATES

[In dollars. Average daily room charges cover nongovernmental short-term general hospitals and represent average cost to patient for a semiprivate room. Average cost per day and average cost per stay cover non-Federal short-term general or special hospitals (excluding psychiatric or tuberculosis) and represent average cost to community hospitals per patient. Cost per patient based on total hospital expenses (payroll, employee benefits, professional fees, supplies, etc.)]

STATE	AVERAGE DAILY ROOM CHARGE			AVERAGE COST PER DAY ²		AVERAGE COST PER STAY ³		STATE	AVERAGE DAILY ROOM CHARGE			AVERAGE COST PER DAY ²		AVERAGE COST PER STAY ¹	
	1975 ¹	1980 ⁴	1982 ⁵	1975	1980	1975	1980		1975 ¹	1980 ⁴	1982 ⁵	1975	1980	1975	1980
U.S.	83	127	168	151	281	1,164	2,126	Mo.	71	107	145	129	257	1,059	2,066
Ala.	62	86	124	114	229	831	1,599	Mont.	75	113	151	111	184	711	1,516
Alaska.	121	189	217	225	486	1,128	2,781	Nebr.	88	100	139	117	215	945	1,899
Ariz.	71	106	145	175	337	1,266	2,340	Ne.	88	125	169	182	368	1,188	2,485
Ark.	58	88	114	102	204	664	1,292	N.H.	81	125	167	130	247	919	1,758
Calif.	109	161	215	217	429	1,435	2,636	N.J.	82	146	171	142	241	1,239	2,113
Colo.	79	124	167	148	287	963	2,035	N. Mex.	76	115	152	142	304	839	1,790
Conn.	83	127	162	189	329	1,415	2,470	N.Y.	105	157	184	189	303	1,875	2,910
Del.	(NA)	125	172	163	283	1,350	2,311	N.C.	53	87	110	115	212	872	1,804
D.C.	(NA)	170	233	208	400	1,640	3,581	N. Dak.	66	93	122	98	191	818	1,675
Fla.	77	109	140	151	273	1,118	2,005	Ohio	89	139	177	139	274	1,140	2,178
Ga.	63	92	123	139	249	889	1,578	Okl.	83	101	133	129	264	862	1,690
Hawaii.	62	127	177	152	268	1,049	2,237	Oreg.	89	133	162	159	326	1,000	1,989
Idaho	73	110	151	121	248	785	1,463	Pa.	86	132	166	143	273	1,214	2,277
Ill.	89	144	190	180	312	1,281	2,469	R.I.	102	138	168	188	307	1,506	2,548
Ind.	75	107	148	127	248	1,004	1,883	S.C.	53	86	108	114	213	831	1,556
Iowa.	72	107	139	110	225	856	1,660	S. Dak.	58	96	131	98	208	690	1,386
Kans.	64	104	140	113	234	881	1,797	Tenn.	83	91	111	114	224	854	1,580
Ky.	64	92	130	110	214	779	1,443	Tex.	83	91	119	129	252	878	1,661
La.	58	89	118	137	259	899	1,683	Utah	71	112	146	148	314	830	1,697
Maine.	79	124	159	137	261	1,018	2,061	Vt.	82	116	168	131	218	1,023	1,746
Md.	88	119	148	181	296	1,502	2,518	Va.	68	101	132	122	243	979	1,899
Mass.	102	151	180	205	358	1,745	3,148	Wash.	90	126	172	172	307	961	1,774
Mich.	87	151	185	166	313	1,362	2,447	W. Va.	66	110	137	108	226	632	1,614
Minn.	71	106	146	122	228	1,073	2,055	Wis.	72	104	146	128	248	1,047	2,037
Miss.	44	67	94	102	194	705	1,207	Wyo.	66	96	130	117	290	843	1,430

NA Not available. ¹As of July. ²As of January. ³Source: American Hospital Association, Chicago, Ill., *Hospital Statistics*, annual. (Copyright.) ⁴Includes Puerto Rico.

Source: Except as noted, Health Insurance Association of America, Washington, D.C., *Source Book of Health Insurance Data*, annual.

No. 176. HOSPITAL FACILITIES—TOTAL, 1960 TO 1980, AND STATES AND PUERTO RICO, 1960

[Short-term hospitals have an average stay of less than 30 days. See also *Historical Statistics, Colonial Times to 1970*, series B 305-308 and B 359-362]

YEAR AND STATE OR OTHER AREA	HOSPITALS		BEDS (1,000)		PATIENTS ADMITTED (mil.)		AVERAGE DAILY CENSUS ² (1,000)		OCCUPANCY RATE ³		Person- nel ⁴ (1,000)	Total outpa- tient visits (mil.)
	Total	Short- term ¹	Total	Short- term ¹	Total	Short- term ¹	Total	Short- term ¹	Total	Short- term ¹		
1960.....	6,876	5,407	1,658.0	639.1	25.0	23.0	1,401.9	477.4	64.6	74.7	1,598	(NA)
1965.....	7,123	5,736	1,703.5	741.3	28.8	26.5	1,402.6	563.4	82.3	76.0	1,952	125.8
1969.....	7,144	5,853	1,649.7	825.8	30.7	28.3	1,346.3	650.8	81.6	78.8	2,426	163.2
1970.....	7,123	5,659	1,615.8	846.2	31.8	29.3	1,297.7	661.5	80.3	78.0	2,537	181.4
1971.....	7,097	5,665	1,555.6	868.5	32.7	30.1	1,236.8	684.8	79.5	78.7	2,589	199.7
1972.....	7,081	5,843	1,549.7	863.7	33.3	30.8	1,208.9	684.1	78.0	75.2	2,671	219.2
1973.....	7,123	5,891	1,534.7	903.3	34.4	31.8	1,189.0	681.5	77.5	75.4	2,769	233.6
1974.....	7,174	5,977	1,512.7	931.2	35.5	32.9	1,187.4	701.3	77.2	75.3	2,919	250.5
1975.....	7,156	5,979	1,465.8	947.0	36.2	33.5	1,124.9	706.1	76.7	74.8	3,023	254.8
1976.....	7,082	5,956	1,433.5	961.2	36.8	34.1	1,089.7	714.8	76.0	74.4	3,108	271.0
1977.....	7,099	5,973	1,407.1	973.9	37.1	34.4	1,065.9	716.7	75.8	73.6	3,213	263.8
1978.....	7,015	5,935	1,360.6	979.7	37.2	34.6	1,041.9	719.9	75.5	73.5	3,280	263.6
1979.....	6,988	5,923	1,371.8	967.7	37.8	35.2	1,043.4	729.0	76.1	73.8	3,382	262.0
1980, U.S.....	6,965	5,904	1,364.5	992.0	38.9	36.2	1,059.7	748.3	77.7	75.4	3,492	262.9
Ala.....	145	131	25.2	19.1	.8	.7	19.3	14.1	76.4	73.6	59.6	3.5
Alaska.....	26	17	1.7	1.0	.4	.3	1.0	.6	61.1	58.3	4.9	.8
Ariz.....	79	59	11.6	9.0	.4	.3	8.7	6.7	75.0	74.2	36.8	3.7
Ark.....	96	91	12.9	10.7	.4	.4	9.2	7.5	71.3	70.3	30.7	1.7
Calif.....	600	512	112.5	82.5	3.4	3.1	80.9	56.4	71.9	68.4	321.5	27.5
Colo.....	99	64	15.3	11.8	.5	.4	11.2	8.4	73.3	71.1	42.1	4.4
Conn.....	67	40	18.2	11.0	.5	.4	15.0	8.8	82.4	79.6	49.3	3.8
Del.....	15	8	4.2	2.1	(Z)	(Z)	3.6	1.7	85.3	81.9	10.0	1.0
D.C.....	17	12	8.5	4.8	.2	.1	7.4	3.9	87.4	84.1	28.1	2.6
Fla.....	253	215	59.0	46.3	1.8	1.7	44.2	33.3	74.9	72.1	145.0	8.8
Ge.....	191	165	31.1	23.3	1.0	.9	23.2	16.6	74.4	71.0	80.6	6.6
Hawaii.....	27	20	4.0	2.7	.1	.1	3.1	2.0	76.9	75.6	11.5	1.2
Idaho.....	51	47	3.8	3.3	.1	.1	2.5	2.2	86.9	65.3	9.0	.8
Ill.....	283	245	72.9	56.6	2.1	2.0	56.3	42.6	77.3	75.4	196.7	13.1
Ind.....	134	116	32.1	24.0	.9	.9	25.5	16.6	79.4	77.6	78.8	5.8
Iowa.....	140	129	20.6	16.5	.6	.6	14.8	11.4	71.9	68.7	45.5	2.6
Kans.....	165	149	17.7	13.6	.5	.4	12.6	9.4	71.3	68.8	41.5	3.1
Ky.....	119	108	18.8	15.4	.7	.6	14.7	12.0	78.2	78.1	46.4	3.6
La.....	157	140	26.6	19.3	.8	.8	19.5	13.5	73.2	70.2	61.8	4.7
Maine.....	50	46	6.8	5.1	.2	.2	5.3	3.8	78.3	75.6	18.1	1.8
Md.....	85	54	25.1	14.6	.6	.5	21.3	12.4	84.7	84.8	67.6	5.4
Mass.....	183	121	43.0	25.6	.9	.9	35.7	20.9	82.9	81.6	126.2	10.0
Mich.....	236	206	49.4	39.6	1.5	1.4	39.5	31.0	80.0	78.4	141.0	10.9
Minn.....	185	172	30.0	23.3	.7	.7	22.6	17.1	75.1	73.3	86.8	3.3
Miss.....	117	107	17.2	12.1	.5	.5	13.0	8.7	75.7	72.0	35.7	2.3
Mo.....	168	149	35.3	27.1	1.0	.9	27.1	20.5	78.9	75.6	91.5	5.3
Mont.....	67	60	5.3	4.5	.1	.1	3.6	3.0	88.0	66.7	10.6	.7
Nebr.....	109	96	11.6	9.4	.3	.3	8.0	6.3	68.8	67.3	24.9	1.6
Nev.....	25	19	3.4	3.0	.1	.1	2.4	2.1	70.2	69.3	10.1	1.0
N.H.....	33	29	4.6	3.5	.1	.1	3.6	2.6	78.0	73.4	12.4	1.3
N.J.....	136	107	44.0	31.0	1.1	1.1	36.9	25.8	84.0	83.0	100.6	7.4
N. Mex.....	54	37	6.1	3.9	.2	.2	4.3	2.6	70.6	67.0	16.6	2.1
N.Y.....	346	275	127.6	79.3	2.7	2.6	111.3	68.4	87.2	86.2	327.7	25.2
N.C.....	160	134	32.8	23.6	.9	.9	26.0	18.4	79.2	78.1	80.3	6.3
N. Dak.....	60	54	5.9	4.7	.1	.1	4.2	3.3	70.4	69.1	11.6	.6
Ohio.....	239	205	63.6	50.0	1.9	1.8	51.1	39.7	80.3	79.2	170.9	11.8
Okla.....	141	121	17.2	12.9	.5	.5	11.9	8.8	69.0	68.4	42.2	3.0
Oreg.....	82	76	11.9	8.9	.4	.4	8.8	6.1	72.0	68.8	29.8	2.1
Pa.....	316	254	85.4	56.9	2.0	2.0	68.8	45.1	80.5	79.2	207.4	18.2
R.I.....	21	14	6.0	3.5	.1	.1	5.3	3.0	87.1	85.9	17.7	1.1
S.C.....	90	78	17.0	11.4	.5	.4	13.1	8.8	77.3	77.2	39.5	4.3
S. Dak.....	69	57	5.5	3.8	1.3	.8	3.8	2.3	65.4	60.7	11.1	.8
Tenn.....	167	146	30.9	24.1	1.0	.9	23.8	18.3	77.2	75.9	75.6	3.7
Tex.....	561	496	81.8	62.4	2.7	2.4	59.6	44.1	72.9	70.6	202.2	13.0
Utah.....	42	37	5.3	4.2	.2	.2	3.9	3.0	73.1	70.8	15.9	1.7
Vt.....	19	16	2.9	2.2	.1	.1	2.2	1.6	74.4	73.8	6.8	.5
Va.....	136	103	31.2	20.8	.8	.7	24.7	16.3	79.3	78.5	77.0	5.6
Wash.....	124	107	15.7	12.0	.6	.5	11.9	8.8	75.4	72.7	45.8	4.8
W. Va.....	79	68	14.0	10.3	.4	.4	10.7	7.8	76.4	75.4	31.6	2.4
Wis.....	168	146	28.7	23.3	.8	.8	21.6	17.1	75.3	73.3	70.7	4.5
Wyo.....	31	27	2.5	1.6	.1	.1	1.6	.9	64.2	57.1	5.4	.5
P.R.....	62	56	11.2	9.0	.4	.4	8.6	6.6	76.6	73.9	25.5	2.8

NA Not available. Z Fewer than 50,000. ¹Non-Federal hospitals. ²Inpatients receiving treatment each day; excludes newborn. ³Ratio of average daily census to every 100 beds. ⁴Includes full-time equivalents of part-time personnel.
Source: American Hospital Association, Chicago, Ill., *Hospital Statistics*, annual. (Copyright.)

No. 177. HOSPITAL UTILIZATION RATES, BY SEX, 1965 TO 1980, AND AGE OF PATIENT, 1960

[Covers estimates of inpatients discharged from noninstitutional, short-stay hospitals, exclusive of Federal hospitals. Excludes newborn. Based on sample data collected from the National Hospital Discharge Survey, a sample survey of hospital records of patients discharged in year shown; subject to sampling variability]

YEAR AND PATIENT'S AGE CLASS (in years)	Patients discharged (1,000)	PATIENTS DISCHARGED PER 1,000 PERSONS ¹			DAYS OF CARE PER 1,000 PERSONS ¹			AVERAGE STAY (days)			Beds used per day ²
		Total	Male	Female	Total	Male	Female	Total	Male	Female	
1965.....	28,792	152	121	180	1,186	1,018	1,339	7.8	8.4	7.4	325
1970.....	29,185	146	119	171	1,173	1,033	1,297	8.0	8.7	7.6	321
1971.....	29,459	146	120	170	1,143	1,004	1,289	7.8	8.4	7.5	313
1972.....	31,627	155	126	180	1,200	1,056	1,330	7.7	8.3	7.4	328
1973.....	32,125	156	129	181	1,212	1,066	1,345	7.8	8.3	7.4	332
1974.....	33,018	159	131	185	1,233	1,089	1,365	7.7	8.3	7.4	336
1975.....	34,043	163	134	190	1,255	1,104	1,395	7.7	8.2	7.4	344
1976.....	34,372	163	135	189	1,236	1,093	1,369	7.6	8.1	7.2	339
1977.....	35,902	169	140	196	1,237	1,095	1,389	7.3	7.8	7.0	339
1978.....	35,616	167	139	192	1,225	1,085	1,355	7.4	7.8	7.1	336
1979.....	36,747	170	141	197	1,224	1,080	1,358	7.2	7.7	6.9	335
1980, total.....	37,832	170	141	197	1,231	1,080	1,371	7.3	7.7	7.0	337
Under 1.....	825	235	260	209	1,341	1,411	1,267	5.7	5.4	6.1	367
1-4.....	1,115	86	99	73	333	391	272	3.9	3.9	3.7	91
5-14.....	1,733	50	53	47	207	216	197	4.1	4.1	4.2	57
15-24.....	5,739	139	78	199	644	486	816	4.6	6.0	4.1	177
25-34.....	6,216	169	92	243	856	568	1,130	5.0	8.2	4.6	234
35-44.....	3,681	145	118	170	944	819	1,082	6.5	8.9	6.3	259
45-64.....	8,660	198	197	195	1,607	1,803	1,611	8.2	8.1	8.3	440
65 and over.....	9,364	405	427	390	4,328	4,405	4,274	10.7	10.3	11.0	1,186

¹ Total civilian noninstitutional population.
² Average daily number of beds occupied per 100,000 civilian noninstitutional population.

No. 178. SURGICAL OPERATIONS IN SHORT-STAY HOSPITALS: 1971 TO 1980

[Excludes newborn infants and discharges from Federal hospitals. See headnote, table 177]

SEX AND TYPE OF OPERATION	NUMBER OF OPERATIONS (mil.)						RATE PER 1,000 POPULATION ¹					
	1971	1975	1977	1978	1979	1980	1971	1975	1977	1978	1979	1980
Total ²	15.77	20.04	21.16	20.75	23.86	24.49	78.1	95.6	99.7	97.0	110.5	108.8
Male ³	6.16	7.37	7.96	7.83	8.16	8.50	63.3	73.2	77.8	75.9	78.5	79.0
Operations on the musculoskeletal system.....	1.07	1.34	1.49	1.47	1.53	1.54	11.0	13.3	14.5	14.2	14.7	14.3
Operations on the cardiovascular system.....	.30	.52	.67	.71	.70	.80	3.1	5.2	6.5	6.9	6.7	7.4
Biopsy.....	.24	.35	.41	.45	.51	.55	2.5	3.5	4.0	4.3	4.9	5.1
Repair of inguinal hernia.....	.44	.46	.47	.45	.45	.48	4.5	4.8	4.6	4.3	4.3	4.5
Operations on the eye.....	.25	.33	.37	.37	.40	.45	2.6	3.3	3.6	3.6	3.8	4.2
Prostatectomy.....	.21	.27	.30	.30	.29	.34	2.1	2.6	2.9	2.9	2.8	3.1
Tonsillectomy with or without adenoidectomy..	.45	.30	.27	.23	.22	.20	4.6	2.9	2.6	2.2	2.1	1.8
Cardiac catheterization.....	.08	.13	.19	.21	.20	.23	.6	1.2	1.8	2.0	1.9	2.1
Appendectomy, excl. incidental.....	.16	.16	.18	.15	.16	.15	1.7	1.6	1.8	1.5	1.6	1.4
Female ³	9.69	12.66	13.20	12.92	15.68	15.99	91.5	117.0	120.2	116.8	140.4	138.5
Operations on the female genital organs ³	2.79	3.69	4.00	3.82	4.23	4.26	26.6	36.0	36.4	34.6	37.9	36.9
Diagnostic dilation and curettage of uterus.....	.77	.96	1.00	.97	.94	.92	7.3	9.0	9.1	8.7	8.4	8.0
Hysterectomy.....	.57	.73	.71	.64	.64	.65	5.4	6.7	6.4	5.8	5.7	5.6
Bilateral destruction or occlusion of Fallopian tubes.....	.21	.37	.59	.55	.61	.64	2.0	3.4	5.3	5.0	5.5	5.6
Obstetrical procedures ³.....	.97	1.25	1.41	1.47	3.47	3.60	9.3	11.6	12.9	13.3	31.1	31.2
Cesarean section.....	.19	.33	.46	.51	.60	.62	1.9	3.0	4.1	4.6	5.4	5.4
Operations on the musculoskeletal system.....	.88	1.26	1.37	1.36	1.36	1.49	8.4	11.6	12.5	12.3	12.4	12.9
Biopsy.....	.52	.75	.77	.73	.82	.80	4.0	7.0	7.0	6.6	7.3	7.0
Operations on the eye.....	.31	.42	.47	.51	.55	.60	2.9	3.9	4.3	4.6	4.9	5.2
Cholecystectomy.....	.29	.34	.33	.32	.33	.34	2.7	3.1	3.0	2.9	2.9	2.9
Tonsillectomy with or without adenoidectomy..	.52	.39	.35	.32	.29	.27	5.0	3.6	3.2	2.9	2.6	2.3
Appendectomy, excl. incidental.....	.15	.16	.16	.15	.15	.15	1.5	1.5	1.4	1.3	1.3	1.3

¹ Based on Bureau of the Census estimated civilian noninstitutional population as of July 1.
² Beginning 1979, includes some obstetrical procedures for inducing or assisting delivery which were excluded prior to 1979.
³ Includes types of operations not shown separately.

Source of tables 177 and 178: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 13, and unpublished data.

NO. 179. HOSPITAL USE RATES, BY TYPE OF HOSPITAL: 1960 TO 1980

[See also *Historical Statistics, Colonial Times to 1870*, series B 364-367]

TYPE OF HOSPITAL	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
Non-Federal short-term: ¹										
Admissions per 1,000 population ²	128	137	140	154	156	157	156	156	157	159
Admissions per bed	36	38	34	35	35	35	35	35	36	36
Average length of stay ³ (days)	7.4	7.7	8.2	7.8	7.7	7.7	7.6	7.6	7.6	7.6
Outpatient visits per admission	(NA)	(NA)	4.5	5.9	5.9	6.1	5.9	6.0	5.8	5.7
Outpatient visits per 1,000 population ⁴	(NA)	(NA)	641	913	911	953	929	930	908	910
Surgical operations (million)	(NA)	(NA)	(NA)	16.2	16.7	17.1	17.2	17.2	18.3	18.6
Number per admission	(NA)	(NA)	(NA)	.5	.5	.5	.5	.5	.5	.5
Psychiatric:										
Admissions per 1,000 population ²	2.3	2.9	3.3	3.1	3.2	3.1	3.0	2.9	2.8	2.6
Days in hospital per 1,000 population ²	1,491	1,281	862	596	480	333	365	345	334	329

NA Not available. ¹General and special; excludes psychiatric and tuberculosis. Short-term hospitals have an average patient stay of less than 30 days. ²Based on Bureau of the Census estimated resident population as of July 1. ³Number of inpatient days divided by number of admissions.

Source: American Hospital Association; Chicago, Ill., *Hospital Statistics*, annual (copyright), and unpublished data.

NO. 180. NURSING AND RELATED CARE FACILITIES: 1967 TO 1981

[Count of nursing and related care homes based on National Master Facility Inventory compiled by the U.S. National Center for Health Statistics; see Appendix III]

ITEM	Unit	1967	1970	1971	1973	1975	1976	1978	1979	1980	1981
Nursing and related care: ¹											
Facilities	Number	19,141	(NA)	22,004	21,834	(NA)	20,466	18,722	(NA)	(NA)	(NA)
Beds	1,000	837	(NA)	1,202	1,328	(NA)	1,415	1,349	(NA)	(NA)	(NA)
Resident patients	1,000	756	(NA)	1,076	1,196	(NA)	1,293	1,240	(NA)	(NA)	(NA)
Personnel employed ²	1,000	383	(NA)	588	636	(NA)	653	684	(NA)	(NA)	(NA)
Per 1,000 patients	Rate	507	(NA)	528	531	(NA)	505	535	(NA)	(NA)	(NA)
Skilled nursing facilities: ⁴											
Beds	Number	4,154	4,848	4,277	3,970	3,926	3,922	4,745	4,956	5,052	5,258
Per 1,000 Medicare enrollees ⁵	Rate	291	333	307	287	287	309	406	420	436	456

NA Not available. ¹Places providing some form of nursing, personal, or domiciliary care; standards vary widely among States. Includes skilled nursing facilities. Some changes in data beginning 1976 may be due to dependence on State collection; see Appendix III. ²Includes 1978 data for California, District of Columbia, New York, and North Carolina. ³Full-time employees only. ⁴Source: Through 1976, U.S. Social Security Administration, *Health Insurance Statistics* and unpublished data. Beginning 1978, U.S. Health Care Financing Administration, *Medicare: Participating Health Facilities, 1979; Medicare Participating Providers and Suppliers of Health Services, 1980*; and unpublished data. Covers facilities and beds certified for participation under Medicare as of mid-year. Includes facilities which have transfer agreements with one or more participating hospitals, and are engaged primarily in providing skilled nursing care and related services for the rehabilitation of injured, disabled, or sick persons.

⁵Based on number of aged persons residing in United States who were enrolled in the Medicare hospital insurance program as of July 1 of year stated.

Source: Except as noted, U.S. National Center for Health Statistics, *Health Resources Statistics*, annual through 1976 and 1978. Beginning 1979, unpublished data.

NO. 181. NURSING AND PERSONAL CARE HOMES—SELECTED CHARACTERISTICS OF HOMES AND RESIDENTS, 1964 TO 1977

[In thousands, except as indicated. Data based on periodic surveys; for details, see source]

CHARACTERISTIC	1964	1966	1973-1974 ¹	1977 ²	CHARACTERISTIC	1964	1966	1973-1974 ¹	1977 ²
Estimated number of homes	17.3	18.4	15.7	16.9	Total residents	554	515	1,076	1,399
By type of ownership:					White	(NA)	779	1,010	1,201
Proprietary	14.2	14.2	11.9	14.5	Black and other	(NA)	37	65	102
Nonprofit	2.2	2.6	2.7	3.4	Male	194	252	318	375
Government	1.0	1.4	1.2	1.0	Female	360	563	758	926
Less than 50 beds	14.2	11.7	6.4	6.0	Under 65 years	65	93	114	177
50-99 beds	2.1	4.6	5.5	5.8	65 yrs. and over	489	722	962	1,126
100 beds or more	1.0	2.1	3.8	5.1	Percent of total	66.0	66.6	69.4	66.4
Beds, total	600	661	1,175	1,402	65-74 years	104	137	163	211
Average per home	35	48	75	71	75-84 years	231	323	365	466
Per 1,000 persons 65 and older	33.6	45.2	55.2	56.7	85 yr. and over	152	262	413	450

NA Not available. ¹Excludes personal care homes without nursing. ²Includes domiciliary care homes.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 12 and 13, and unpublished data.

NO. 182. PATIENT CARE EPISODES IN MENTAL HEALTH FACILITIES, BY TYPE OF TREATMENT FACILITY:
1955 TO 1979

["Patient care episodes" is defined as the number of residents in inpatient facilities or the number of persons on the rolls of outpatient facilities at the beginning of the year plus the total additions to both types of facilities during the year. Excludes private psychiatric office practice, psychiatric service modes of all types in hospitals or outpatient clinics of Federal agencies other than Veterans' Administration (VA), inpatient service modes of multi-service facilities not shown in this table, all partial care episodes, and outpatient episodes of VA hospitals]

ITEM AND YEAR	All facilities	INPATIENT SERVICES						OUTPATIENT PSYCHIATRIC SERVICES		
		Total	Mental care hospitals		General ¹	VA	Community mental health centers ²	Total	Community mental health centers ²	Other
			State and county	Private ¹						
Patient care episodes (1,000):										
1955.....	1,675	1,296	819	123	266	68	(NA)	379	(NA)	379
1965.....	2,637	1,566	805	125	519	116	(NA)	1,071	(NA)	1,071
1971.....	4,038	1,721	748	127	543	177	130	2,317	623	1,694
1975.....	6,409	1,791	599	165	566	214	247	4,618	1,585	3,033
1977.....	6,393	1,817	574	184	572	218	269	4,577	1,742	2,835
1979.....	⁴ 6,405	⁴ 1,803	529	185	⁴ 572	⁴ 218	⁴ 299	⁴ 4,602	⁴ 1,950	⁴ 2,652
Percent distribution:										
1955.....	100.0	77.4	48.9	7.3	15.9	5.3	(NA)	22.6	(NA)	22.6
1965.....	100.0	59.4	30.5	4.8	19.7	4.4	(NA)	40.6	(NA)	40.6
1971.....	100.0	42.6	18.5	3.1	13.4	4.4	3.2	57.4	15.4	42.0
1975.....	100.0	27.9	9.3	2.6	8.8	3.3	3.9	72.1	24.7	47.4
1977.....	100.0	26.4	9.0	2.9	8.9	3.4	4.2	71.6	27.2	44.4
1979.....	⁴ 100.0	⁴ 28.2	8.3	2.9	⁴ 8.9	⁴ 3.4	⁴ 4.7	⁴ 71.8	⁴ 30.4	⁴ 41.4
Rate per 100,000 population:										
1955.....	1,028	795	502	76	163	54	(NA)	233	(NA)	233
1965.....	1,376	817	420	65	271	60	(NA)	559	(NA)	559
1971.....	1,961	847	365	66	266	87	84	1,134	305	829
1975.....	3,033	847	283	78	268	101	117	2,185	750	1,435
1977.....	2,964	842	266	85	265	101	125	2,122	808	1,314
1979.....	⁴ 2,863	⁴ 806	236	83	⁴ 256	⁴ 97	⁴ 134	⁴ 2,058	⁴ 872	⁴ 1,186

NA Not available. ¹Includes estimates of episodes of care in residential treatment centers for emotionally disturbed children. ²Hospitals (non-VA) with psychiatric inpatient units. ³Federally funded. ⁴Totals include 1977 and 1978 data shown. ⁵1977 data. ⁶1978 data. ⁷Includes 1977 data for outpatient services of non-Federal general hospitals.

Source: U.S. National Institute of Mental Health, *Statistical Note 154*, DHHS Publication, No. (ADM) 80-158, 1980 and unpublished data.

NO. 183. RESIDENTIAL FACILITIES FOR THE MENTALLY RETARDED: 1960 TO 1980

[For years ending June 30. Mentally retarded people refers to those who have been so designated by State governments in the process of placing them into residential facilities]

ITEM	STATE-OPERATED FACILITIES ¹							Community facilities, ² 1977
	1960	1965	1970	1975	1978 ³	1979 ³	1980 ³	
Number of institutions	108	143	190	210	398	391	393	4,290
Resident patients, beginning of year	158,682	181,549	189,956	166,689	161,562	155,114	146,642	(NA)
Admissions ⁴	14,701	17,300	14,985	13,424	14,286	17,308	5,642	17,398
Deaths in institutions	3,202	3,583	3,496	2,752	2,385	2,251	2,106	612
Live releases ⁵	6,451	7,993	14,702	18,320	19,665	21,406	16,258	9,297
Resident patients, end of year	163,730	187,273	186,743	159,041	152,476	147,729	141,203	⁶ 76,250
Rate per 100,000 population ⁷	91.9	97.7	92.5	74.4	69.2	68.3	62.6	35.0
Average daily resident patients	163,262	189,172	187,897	161,061	148,453	140,407	136,296	(NA)
Maintenance expenditures per average daily resident patient (dollars): ⁸								
Per year	1,650	2,335	4,635	11,315	18,360	20,849	(NA)	(NA)
Per day	5	6	13	31	50	57	68	⁹ 20

NA Not available. ¹Data as submitted by many State agencies; figures reflect some estimates. Resident patients at the end of a year do not equal the number at the beginning of a succeeding year. Includes estimates for underreporting. ²Includes data for 141 facilities in 1978 and 1980 and 135 facilities in 1979, operated as mental hospitals or other care facilities and which have at least 10 mentally retarded residents. The average daily number of mentally retarded residents in these facilities was 8,626 in 1978, 8,979 in 1979, and 8,240 in 1980. ³A community-based living quarter which provides 24-hour, 7-days-a-week responsibility for room, board, and supervision of mentally retarded persons. Excludes single family homes providing services to a relative; nursing homes, boarding homes and foster homes not formally licensed or contracted as mental retardation service providers; and independent living programs which have no staff residing in facility. ⁴Includes readmissions and excludes transfers. ⁵1960-1975, represents excess of patients released alive from hospital over those returning to hospital. Beginning 1978, total live releases. ⁶62,397 of 76,250 residents had primary diagnosis of mental retardation. ⁷Based on Bureau of the Census estimated civilian population as of July 1. ⁸Reporting facilities only, includes salaries and wages, purchased provisions, fuel, light, water, etc. ⁹Represents average daily reimbursement rate.

Source: State-operated facilities: U.S. Office of Human Development Services, *Residents in Public Institutions for the Mentally Retarded*, annual, through 1970, and unpublished data; 1978-1980, Krantz, Bruininks, and Clumpner, *Mentally Retarded People in State-Operated Residential Facilities*, annual. Community Facilities: Bruininks, Hauber, and Kudia; *National Survey of Community Residential Facilities: A Profile of Facilities and Residents in 1977, 1979*.

No. 184. PATIENTS IN MENTAL HEALTH FACILITIES: 1977 TO 1980

[Additions comprise admissions and readmissions]

STATE	MENTAL-CARE HOSPITALS, 1978 ¹				Outpatient psychiatric services, addi- tions, ² 1977	General hospitals with psychiatric inpatient units, dis- charges, ² 1977	STATE FACILITIES FOR MENTALLY RETARDED ³			Communi- ty facilities, mentally retarded resi- dents, ⁴ 1977
	State and county		Private				Resi- dent pa- tients, ⁵ 1980	Total admi- sions, ⁶ 1980	Total live re- leases, ⁶ 1980	
	Resi- dent patients, end of year	Total addi- tions	Resi- dent pa- tients, end of year	Total addi- tions						
Facilities, number	280		185		1,873	843	252			4,427
U.S.	140,873	383,323	12,821	140,831	1,808,518	851,198	130,848	7,887	13,537	82,387
Alabama	1,911	3,593	188	3,819	8,874	8,825	1,821	51	180	207
Alaska	82	950	-	-	1,841	244	85	10	17	119
Arizona	387	1,180	87	1,588	10,954	5,788	653	3	72	343
Arkansas	183	1,915	-	-	4,588	2,877	1,530	26	118	215
California	6,563	18,327	1,374	18,347	190,772	53,875	8,015	283	730	6,870
Colorado	1,168	4,825	205	2,611	18,532	5,108	1,452	62	183	848
Connecticut	2,137	14,510	736	2,723	36,188	6,565	2,957	39	(NA)	947
Delaware	808	1,921	28	737	4,452	367	520	10	12	■
District of Columbia	2,152	5,316	143	1,545	10,538	4,022	982	10	7	40
Florida	5,853	7,421	885	9,388	43,739	26,805	3,582	42	537	2,342
Georgia	4,125	28,776	■	5,709	26,864	12,192	1,383	30	100	308
Hawaii	148	584	-	-	4,327	1,041	422	12	40	177
Idaho	216	481	-	-	1,429	980	378	23	29	286
Illinois	4,257	22,314	498	4,935	97,550	34,050	5,571	187	638	6,078
Indiana	3,061	7,868	-	-	21,488	12,959	2,589	95	189	479
Iowa	1,048	5,408	-	-	21,112	11,882	■	88	88	1,150
Kansas	1,182	3,307	234	700	25,344	8,290	1,318	79	139	1,089
Kentucky	775	2,929	357	5,741	8,358	7,500	946	93	167	950
Louisiana	2,284	9,126	328	2,748	13,789	6,350	3,393	336	203	1,258
Maine	831	1,788	-	-	1,374	438	443	148	88	629
Maryland	4,088	10,485	617	2,709	34,482	5,000	2,888	185	348	374
Massachusetts	2,800	7,895	757	8,080	60,080	10,537	4,480	-	48	1,848
Michigan	4,494	14,473	578	7,829	69,593	18,527	4,834	90	850	4,128
Minnesota	2,528	6,893	-	-	31,758	18,883	1,784	103	293	3,140
Mississippi	1,904	5,408	38	886	5,368	2,771	1,828	182	201	354
Missouri	3,187	15,312	81	1,217	29,723	13,448	2,379	3,738	3,886	2,883
Montana	337	1,317	-	-	-	1,390	298	8	31	438
Nebraska	884	3,919	-	-	8,205	4,124	887	7	50	987
Nevada	140	828	-	-	4,208	1,939	180	20	23	30
New Hampshire	555	1,238	53	720	8,138	873	870	1	7	105
New Jersey	5,283	10,140	404	3,752	38,115	13,562	7,280	71	44	788
New Mexico	234	1,390	57	793	8,573	755	523	32	58	208
New York	27,048	33,387	697	5,318	244,378	58,821	14,514	245	812	3,314
North Carolina	3,485	15,288	315	2,810	21,295	12,081	3,257	34	102	643
North Dakota	832	2,332	-	-	1,284	1,968	■	8	11	185
Ohio	6,018	15,939	428	5,418	72,123	32,787	4,778	27	410	2,485
Oklahoma	1,548	8,434	40	723	21,334	8,873	1,718	136	152	584
Oregon	1,085	5,983	42	400	25,741	5,940	1,745	34	88	811
Pennsylvania	10,738	7,405	1,072	13,711	68,072	24,582	7,588	117	888	8,102
Rhode Island	888	4,176	145	2,323	13,878	1,087	880	16	44	181
South Carolina	3,278	8,384	-	-	7,014	5,333	3,058	158	183	310
South Dakota	488	1,189	-	-	4,394	804	881	7	42	280
Tennessee	3,034	8,776	188	2,178	17,881	8,558	2,174	282	257	903
Texas	5,587	25,101	972	8,855	38,458	40,832	11,178	597	888	2,280
Utah	317	827	-	-	2,711	3,376	783	5	61	412
Vermont	340	881	82	851	1,316	307	321	8	22	280
Virginia	5,455	10,818	738	5,482	35,288	13,172	3,714	87	274	808
Washington	1,344	4,244	107	1,428	32,845	11,230	2,101	91	■	1,550
West Virginia	1,852	2,883	48	1,310	8,047	5,400	584	52	84	58
Wisconsin	788	4,297	234	2,038	28,522	15,573	2,183	85	87	2,084
Wyoming	283	742	-	-	2,780	-	498	8	11	101

- Represents zero. NA Not available. ¹Includes estimates for nonreporting facilities. ²Excludes federally funded community mental health centers. ³Non-Federal. ⁴Source: Krantz, Bruininks, and Clumpner, *Mentally Retarded People in State-Operated Residential Facilities: Year Ending June 30, 1980*. Data from survey conducted for U.S. Office of Human Development Services. Excludes facilities operated as mental hospitals or other care facilities. ⁵As of June 30. ⁶Admissions includes readmissions. For year ending June 30. ⁷See footnote 3, table 183. Source: Bruininks, Hauber, and Kudis, *National Survey of Community Residential Facilities: A Profile of Facilities and Residents in 1977, 1979*.

Source: Except as noted, U.S. National Institute of Mental Health, unpublished data.

NO. 185. DAYS OF DISABILITY, BY TYPE, AND BY SEX OF PATIENT: 1965 TO 1980

[1965, for year ending June 30; thereafter, calendar years. Refers to civilian noninstitutional population. Based on National Health Interview Survey; see Appendix III. For composition of regions, see fig. 1, inside front cover]

ITEM	TOTAL DAYS OF DISABILITY (millions)						DAYS PER PERSON					
	1965	1970	1975	1978	1979	1980	1965	1970	1975	1978	1979	1980
Restricted-activity days ¹	3,086	2,813	3,734	4,011	4,106	4,165	16.4	14.6	17.9	18.8	19.0	19.1
Male	1,336	1,273	1,574	1,679	1,755	1,802	14.7	13.2	15.6	16.3	16.6	17.1
Female	1,747	1,540	2,160	2,333	2,351	2,363	18.0	15.6	20.0	21.1	21.1	21.0
White ²	(NA)	2,526	3,179	3,421	3,466	3,518	(NA)	14.4	17.5	18.6	18.8	18.7
Black ²	(NA)	285	522	546	585	580	(NA)	16.2	21.4	21.3	22.9	22.7
Under 65 years	2,420	2,331	2,818	3,093	3,128	3,228	14.1	12.9	15.5	16.2	16.3	16.6
65 and over	666	482	916	918	976	937	38.5	30.7	36.4	40.3	41.9	39.2
Northeast	(NA)	709	819	876	834	862	(NA)	14.6	16.7	18.0	17.6	17.9
North Central	(NA)	691	868	974	998	989	(NA)	12.4	15.9	17.0	17.4	17.2
South	(NA)	886	1,253	1,356	1,401	1,415	(NA)	15.9	18.7	19.6	19.6	19.6
West	(NA)	518	774	806	872	899	(NA)	15.8	20.8	20.9	21.8	22.0
Family income: ³												
Under \$5,000	(NA)	982	1,030	854	785	782	(NA)	23.3	32.4	35.7	37.5	37.5
\$5,000-\$9,999	(NA)	657	914	872	882	804	(NA)	12.8	20.2	24.2	26.8	25.8
\$10,000-\$14,999	(NA)	539	878	582	592	636	(NA)	11.5	14.4	15.8	17.4	19.4
\$15,000 and over	(NA)	331	863	1,314	1,467	1,587	(NA)	10.9	12.4	13.7	13.6	13.6
Bed-disability days ⁴	1,160	1,222	1,371	1,524	1,455	1,520	6.2	6.1	6.6	7.1	6.7	7.0
Male	484	503	548	617	585	616	5.3	5.2	5.4	6.0	5.8	5.9
Female	677	720	825	907	870	904	7.0	6.9	7.8	8.2	7.8	8.0
Under 65 years	914	959	1,097	1,183	1,136	1,190	5.3	5.3	5.8	6.2	5.9	6.1
65 and over	246	263	274	331	319	330	14.2	13.8	12.9	14.5	13.7	13.9
Work-loss days ⁵	400	417	433	486	483	486	5.7	5.4	5.2	5.2	5.0	5.0
Male	261	243	246	266	261	271	5.7	5.0	4.9	4.9	4.7	4.9
Female	139	175	187	220	222	215	5.6	5.9	5.7	5.7	5.4	5.1
School-loss days ⁶	214	222	217	220	209	204	6.2	4.8	5.1	5.4	5.3	5.3
Male	103	108	103	104	101	96	4.9	4.7	4.8	5.1	5.0	4.8
Female	111	114	115	116	107	109	5.4	5.1	5.5	5.8	5.5	5.7

NA Not available. ¹A day when a person cuts down on his usual activities for the whole day because of illness or injury. Includes bed-disability, work-loss, and school-loss days. Total includes other items not shown separately.

²In 1980 race was determined by asking the household respondent to report his race. In earlier years the racial classification of respondents was determined by interviewer observation.

³Excludes those with unknown income.

⁴A day when a person was kept in bed either all or most of the day because of illness or injury. Includes those work-loss and school-loss days actually spent in bed.

⁵A day when a person lost the entire workday because of illness or injury. Computed for persons 17 years of age and over in the currently employed population, defined as those who were working or had a job or business from which they were not on layoff during the 2-week period preceding the week of interview.

⁶Child's loss of entire school day because of illness or injury. Computed for children 6-16 years of age.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

NO. 186. PERSONS INJURED, BY SEX, 1970 TO 1980, AND BY CIRCUMSTANCE, 1980

[Data refer to civilian noninstitutional population and comprise incidents leading to restricted activity and/or medical attention. Sum of estimates by type of circumstance may be greater than total injured because circumstances are not mutually exclusive. Based on National Health Interview Survey; see Appendix III. 1975 data not strictly comparable with other years]

YEAR	PERSONS INJURED (millions)			RATE PER 100 POPULATION			CIRCUMSTANCE	PERSONS INJURED (millions)			RATE PER 100 POPULATION		
	Total	Male	Female	Total	Male	Female		Total	Male	Female	Total	Male	Female
1970	56.0	31.5	24.2	28.0	16.5	23.3	1980, total	68.1	38.0	29.1	31.3	37.1	25.8
1973	60.0	34.8	25.2	29.1	36.0	23.7	While at work	10.8	6.0	2.9	5.0	7.6	2.5
1974	59.1	33.6	25.8	28.5	33.6	23.6	Home	26.7	13.3	13.4	12.2	12.6	11.9
1975	71.9	39.4	32.5	34.4	39.1	30.0	Motor vehicle	4.4	2.3	2.1	2.0	2.2	1.9
1976	65.4	37.1	28.3	31.1	36.5	26.0	Other	26.2	17.1	11.1	12.9	16.2	9.9
1977	73.9	42.3	31.6	34.6	41.3	28.8	Under 6 years	6.5	3.5	3.0	34.2	36.3	32.0
1978	67.5	38.1	29.4	31.8	36.9	26.6	6-16 years	15.2	10.1	5.1	39.2	51.2	28.7
1979	69.1	38.8	30.3	32.0	38.6	25.9	17-44 years	32.7	19.4	13.3	35.3	43.1	28.0
							45-64 years	9.8	4.7	5.0	22.2	22.3	22.0
							65 years and over	4.0	1.3	2.7	16.8	13.1	19.4

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

**NO. 187. PERCENT OF CHILDREN IMMUNIZED AGAINST SPECIFIED DISEASES, BY AGE-GROUP:
1965 TO 1981**

[Covers civilian noninstitutional population. Based on a sample and subject to sampling variability; see source]

DISEASE	1-4 YEARS OLD							5-14 YEARS OLD				
	1965	1975	1975	1976	1979	1980	Total	Re- cords ¹	1965	1980	1981	
											Total	Re- cords ¹
Diphtheria-tetanus-pertussis ² (3 or more doses)	73.9	76.1	75.2	68.0	65.4	66.3	67.5	66.9	74.2	73.9	75.2	91.7
Polio (3 or more oral doses)	73.9	65.9	64.6	61.4	59.1	58.8	60.0	78.3	69.5	70.2	71.8	68.7
Measles	33.2	57.2	65.5	62.6	62.7	63.5	63.8	75.6	71.9	71.8	73.3	66.0
Rubella	(NA)	37.2	61.9	61.7	63.5	63.6	64.5	75.2	74.6	74.0	74.7	87.6
Mumps	(NA)	(NA)	44.4	51.1	55.4	56.6	58.4	72.7	59.5	64.1	68.6	62.9

NA Not available. ¹Represents responses of portion of sample who answered on basis of health immunization records. ²Pertussis also known as whooping cough. ³Inactivated doses or oral doses.

Source: U.S. Centers for Disease Control, Atlanta, Ga., *United States Immunization Survey*, annual.

NO. 188. SPECIFIED REPORTABLE DISEASES—CASES REPORTED: 1950 TO 1980

[Prior to 1960, excludes Alaska and Hawaii, except for tuberculosis. Figures should be interpreted with caution. Although reporting of some of these diseases is incomplete, the figures are of value in indicating trends of disease incidence. Includes cases imported from outside the U.S. See *Historical Statistics, Colonial Times to 1970*, series B 291-303, for related data]

DISEASE	1950	1965	1966	1968	1970	1975	1977	1978	1979	1980
Amebiasis	4,566	3,348	3,424	2,768	2,888	2,775	3,044	3,937	4,107	5,271
Aseptic meningitis	(NA)	(NA)	1,593	2,329	6,480	4,475	4,789	6,573	6,754	8,026
Botulism ¹	20	16	12	19	12	20	129	105	45	69
Brucellosis (undulant fever)	3,510	1,444	751	282	213	310	232	179	215	183
Chickenpox (1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	154.2	186.4	154.1	190.1	190.9
Diphtheria	5,796	1,964	916	164	435	307	84	76	59	3
Encephalitis										
Primary infectious ²	1,136	2,166	2,341	1,722	1,560	4,064	1,414	1,351	1,504	1,216
Post infectious ³				961	370	237	119	76	84	36
Hepatitis, Serum (1,000)	2.6	32.0	41.7	33.9	8.3	13.1	16.8	15.0	15.5	19.0
Infectious (1,000)					56.8	35.9	31.2	29.5	30.4	29.1
Unspecified (1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	7.2	6.6	6.8	10.5	11.9
Leprosy	44	75	54	96	129	162	151	166	165	223
Leptospirosis	30	24	53	84	47	93	71	110	94	65
Malaria	2,184	522	72	147	3,051	373	547	731	894	2,062
Measles (1,000)	319.1	555.2	441.7	261.9	47.4	24.4	57.3	26.9	13.6	13.5
Meningococcal infections	3,768	3,455	2,259	3,040	2,505	1,476	1,628	2,505	2,724	2,640
Mumps (1,000)	(NA)	(NA)	(NA)	(NA)	106.0	59.6	21.4	16.8	14.2	6.6
Pertussis ² (1,000)	120.7	62.6	14.8	6.8	4.2	1.7	2.2	2.1	1.6	1.7
Plague	3	-	2	6	13	20	18	12	13	16
Polymyositis, acute	33,300	26,965	3,190	72	33	8	18	15	34	9
Psittacosis	26	334	113	60	35	49	94	140	137	124
Rabies, animal	7,801	5,799	3,567	4,574	3,224	2,627	3,130	3,280	5,119	6,421
Rabies, human	18	4	2	2	3	2	1	4	4	-
Rheumatic fever, acute ⁴	(NA)	(NA)	9,022	4,996	3,227	2,854	1,736	951	629	432
Rubella ⁵ (1,000)	(NA)	(NA)	(NA)	(NA)	56.6	16.7	20.4	16.3	11.6	3.6
Salmonellosis ⁶ (1,000)	1.2	5.4	6.9	17.2	22.1	22.6	27.6	29.4	33.1	33.7
Shigellosis ⁷ (1,000)	23.4	13.9	12.5	11.0	13.6	16.6	16.1	19.5	20.1	19.0
Streptococcal sore throat, scarlet fever (1,000)	64.5	147.5	315.2	395.2	433.4	*330.8	*423.1	*397.0	*466.4	*370.0
Tetanus	466	462	366	300	148	102	87	66	81	95
Trichinosis	327	264	160	199	109	252	143	67	167	131
Tuberculosis ⁸ (1,000)	(NA)	76.2	55.5	49.0	37.1	34.0	30.1	28.5	27.7	27.7
Tularemia	927	584	380	264	172	129	166	141	196	234
Typhoid fever	2,464	1,704	616	454	346	375	396	506	526	610
Typhus fever										
Flea-borne (endemic-murine)	685	135	68	26	27	44	75	46	69	61
Tick-borne (Rocky Mt. spotted fever)	464	295	204	261	360	644	1,153	1,063	1,070	1,163
Veneral diseases (civilian cases):										
Gonorrhea (1,000)	287	236	259	326	600	1,000	1,002	1,013	1,004	1,004
Syphilis (1,000)	216	122	122	113	91	80	65	65	67	66
Other (1,000)	6.2	3.9	2.6	2.0	2.2	1.1	.9	.9	1.2	1.0

- Represents zero. NA Not available. ¹Beginning in 1975, includes foodborne, infant, and unspecified cases. ²Data reported for 1975-1980 reflect new diagnostic categories. ³Whooping cough. ⁴Based on reports from States: 37 in 1960 and 1960, 36 in 1965 and 1975, 38 in 1970, 40 in 1976, and 39 in 1977 and 1979. ⁵German measles. ⁶Excludes typhoid fever. ⁷Bacillary dysentery. ⁸Based on reports from States: 41 in 1975, 1976, and 1960; 42 in 1977; and 40 in 1978. ⁹Beginning 1960, newly reported active cases. New diagnostic standards introduced in 1975.

Source: U.S. National Center for Health Statistics, *Vital Statistics—Special Reports*, vol. 37, No. 9, and U.S. Centers for Disease Control, Atlanta, Ga., *Morbidity and Mortality Weekly Report* (annual supplements).

No. 188. ACUTE CONDITIONS, BY TYPE, 1970 TO 1980, AND BY SELECTED CHARACTERISTICS, 1980

[Data refer to civilian noninstitutional population. Based on National Health Interview Survey; see Appendix II. Estimates include only acute conditions which were medically attended or caused at least one day of restricted activity. For composition of regions, see fig. 1, inside front cover]

YEAR AND CHARACTERISTIC	NUMBER OF CONDITIONS (mil.)					RATE PER 100 POPULATION				
	Infective and parasitic	Respiratory		Digestive system	Injuries	Infective and parasitic	Respiratory		Digestive system	Injuries
		Upper	Other				Upper	Other		
1970, total	48.2	127.3	92.5	23.0	58.2	24.1	63.7	48.3	11.5	29.6
1974, total	40.5	94.9	100.9	18.2	63.1	19.5	45.9	48.7	7.9	30.4
1975, total	47.8	124.0	109.0	21.8	76.2	22.8	59.3	52.1	10.3	38.4
1976, total	52.8	127.7	123.0	22.0	67.7	25.0	60.6	56.4	10.4	32.1
1977, total	57.7	134.0	98.6	23.9	77.2	27.2	63.2	48.6	11.2	36.4
1978, total	52.9	126.4	121.1	22.9	70.7	24.7	59.1	56.6	10.7	33.1
1979, total	52.7	128.9	101.7	24.7	74.4	24.4	60.1	47.1	11.4	34.6
1980, total	53.8	134.2	129.0	24.9	72.7	24.9	67.0	68.2	11.4	33.4
Male	24.6	53.5	65.8	11.9	41.0	23.4	50.9	52.9	11.2	39.0
Female	29.0	70.7	73.3	13.1	31.7	25.7	62.7	65.0	11.6	28.1
Northeast	14.4	31.0	24.6	5.8	18.2	29.8	64.3	51.0	12.0	33.5
North Central	8.8	32.3	36.9	6.0	19.3	15.3	56.2	67.7	10.5	33.5
South	23.8	38.5	29.4	6.8	22.2	33.3	51.2	41.2	12.3	31.1
West	6.7	24.4	35.1	4.3	15.1	16.3	59.7	66.4	10.6	36.9
Inside SMSA ¹	35.9	90.3	90.8	17.3	50.7	24.0	60.6	60.9	11.6	34.0
Outside SMSA: ¹										
Nonfarm	17.1	31.7	36.3	7.1	20.1	27.0	60.2	56.8	11.3	31.6
Farm	.8	2.2	2.9	1.4	1.9	11.6	36.8	51.8	8.0	34.2
Under 6 years	10.7	24.3	14.0	3.5	6.7	56.3	127.5	73.5	16.6	35.2
6-16 years	16.4	30.2	31.8	5.2	15.7	42.5	78.0	81.5	13.4	40.4
17-44 years	19.5	40.4	55.8	12.1	35.5	21.3	53.3	60.0	13.0	36.8
45-64 years	4.9	13.6	20.0	2.7	10.0	11.3	31.2	46.0	6.3	23.0
65 years and over	1.7	6.7	7.7	1.3	4.5	7.2	27.9	32.4	5.6	19.0

¹SMSA refers to standard metropolitan statistical areas as defined in 1970 census publications; see Appendix II.

²Figure does not meet standards of reliability or precision.

No. 190. PERSONS WITH ACTIVITY LIMITATION, BY SELECTED CHRONIC CONDITIONS: 1969-1970 AND 1980

[Covers civilian noninstitutional population. Based on National Health Interview Survey; see Appendix III. Conditions classified according to eighth revision of International Classification of Diseases for 1969-1970; to ninth revision for 1980]

CONDITION	Total ¹	AGE			SEX		FAMILY INCOME		RACE ²	
		Under 45 yr.	45- 64 yr	65 and over	Male	Fe- male	Less than \$5,000	\$5,000 and over	White	Black
1969-1970										
Persons with limitation (mil.)	23.2	7.3	9.0	9.9	11.7	11.5	11.6	10.1	20.5	2.6
Percent limited by—										
Heart conditions	15.5	8.3	19.0	20.5	16.5	14.8	16.7	15.2	15.7	14.8
Arthritis and rheumatism	14.1	4.4	15.7	21.2	9.3	16.9	17.2	11.8	13.6	18.1
Hypertension without heart involvement	4.6	1.8	5.2	5.4	3.0	6.2	5.9	3.4	3.9	9.4
Impairment of back/spine	5.9	10.6	7.8	2.8	7.3	6.8	5.5	8.2	7.2	5.1
Impairment of lower extremities and hips	6.7	8.9	6.0	5.3	7.6	5.8	6.3	7.5	6.8	5.8
Percent of all persons with—										
No activity limitation	68.3	94.7	80.5	57.7	67.7	66.8	79.8	92.2	66.2	68.4
Activity limitation	11.7	5.9	19.5	42.3	12.3	11.2	20.2	7.8	11.6	11.6
in major activity	9.1	3.3	15.7	37.0	9.5	8.6	16.9	5.5	9.0	9.7
1980										
Persons with limitation (mil.)	31.6	16.2	10.4	10.8	15.6	15.9	7.4	21.9	27.1	3.9
Percent limited by—										
Heart conditions	16.4	4.3	19.7	24.5	18.0	14.7	18.6	15.3	16.8	15.2
Arthritis and rheumatism	17.5	5.4	20.0	26.5	11.0	23.7	23.2	15.5	17.4	18.3
Hypertension ³	9.9	3.9	13.2	13.1	7.7	12.1	14.1	8.5	6.6	19.2
Impairment of back/spine	9.2	13.9	9.9	4.0	9.1	9.2	6.8	9.9	9.4	7.7
Impairment of lower extremities and hips	6.0	10.7	7.2	6.4	9.0	7.1	8.8	8.0	8.1	7.2
Percent of all persons with—										
No activity limitation	65.6	83.2	76.1	54.8	65.3	65.9	72.2	87.8	65.6	64.9
Activity limitation	14.4	6.8	23.9	45.2	14.7	14.1	27.8	12.2	14.4	15.1
in major activity	10.9	4.2	18.6	39.0	11.2	10.6	23.3	8.8	10.8	12.2

¹Includes persons with unknown family income and other races not shown separately.

²See footnote 2, table 185.

³Covers all cases of hypertension, regardless of other conditions.

Source of tables 189 and 190: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

No. 191. PERSONS WITH DEFINITE HYPERTENSION, BY RACE, SEX AND AGE: 1960-1962, 1971-1975, AND 1976-1980

[Covers civilian noninstitutional population. 25-74 years old. Based on sample and subject to sampling variability, see source. Data represent number of persons with an average of three blood pressure readings of either systolic pressure of 160 mmHg or more or diastolic pressure of 95 mmHg or more]

AGE GROUP	NUMBER (1,000)					RATE PER 100 PERSONS				
	Total ¹	White	Black	Female	Male	Total ¹	White	Black	Female	Male
1960-1962, total	15,875	12,654	2,838	8,798	6,879	² 16.7	² 15.2	² 30.4	² 17.9	² 15.3
1971-1975, total	19,164	15,569	3,425	9,226	9,959	² 17.7	² 16.0	² 32.7	² 15.9	² 19.6
1976-1980, total	16,541	13,590	2,590	7,651	8,890	14.5	13.4	23.7	12.5	16.6
25-34 years old	1,814	1,509	266	432	1,383	5.5	5.3	7.6	2.6	8.7
35-44 years old	2,346	1,731	497	1,008	1,338	9.9	8.5	19.6	8.2	11.8
45-54 years old	4,098	3,345	693	1,772	2,327	17.8	16.5	30.7	14.9	20.9
55-64 years old	4,422	3,653	663	2,149	2,273	21.7	20.2	37.6	20.0	23.7
65-74 years old	3,660	3,292	471	2,290	1,570	26.6	25.5	36.5	27.9	24.9

¹Includes other races not shown separately. ²Rates age-adjusted using 1976-1980 population base. See headnote, table 113.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 11.

No. 192. PERSONS WITH KNOWN CASE OF DIABETES, BY AGE, SEX, RACE, AND FAMILY INCOME: 1980

[Covers civilian noninstitutional population. Based on National Health Interview Survey; see Appendix III]

SEX, RACE, AND FAMILY INCOME	NUMBER (1,000)					RATE PER 1,000 POPULATION				
	Total ¹	Persons 20 years old and over				Total ¹	Persons 20 years old and over			
		Total	20-44 years	45-64 years	65 years and over		Total	20-44 years	45-64 years	65 years and over
Total persons with known diabetes ²	5,665	5,568	965	2,316	2,289	26.0	37.8	12.0	53.2	95.6
Male	2,407	2,343	379	1,048	916	22.9	33.7	9.7	50.3	93.1
Female	3,258	3,225	583	1,268	1,373	28.9	41.2	14.0	55.8	97.7
White	4,695	4,598	751	1,832	2,014	24.9	35.3	10.8	47.2	92.8
Black and other	970	970	212	483	275	32.7	54.9	19.7	102.3	125.3
Black	880	880	212	430	236	34.2	58.0	23.4	105.2	117.9
Less than \$5,000	827	816	³ 93	276	446	40.7	59.0	³ 16.2	93.9	86.8
\$5,000-\$9,999	1,146	1,135	³ 158	338	639	36.8	52.1	³ 16.4	63.8	93.1
\$10,000-\$14,999	790	778	³ 134	368	275	24.1	34.9	³ 10.5	62.8	75.0
\$15,000-\$24,999	953	919	235	446	238	17.9	26.1	10.5	44.9	84.6
\$25,000 or more	1,233	1,204	251	606	346	20.0	26.9	10.3	40.5	145.3

¹Includes persons under 20 years old, not shown separately. ²Includes persons for whom family income is unknown, not shown separately. ³Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, unpublished data.

No. 193. PERSONS WEARING CORRECTIVE LENSES: 1971 AND 1977

[See headnote, table 194. Total wearing lenses includes group unknown as to type. Excludes sunglasses worn only to filter light, safety glasses for protection, etc. Contact lenses includes those with or without glasses]

ITEM	1971			1977						
	Total	Male	Female	Total	Male	Female	3-16 yr.	17-24 yr.	25-44 yr.	45 yr. and over
Population, 3 years old and over (mil.)	191.6	92.1	99.5	202.9	97.7	105.3	50.7	31.3	55.3	86.6
Wearing lenses (mil.)	94.3	40.8	53.5	103.3	44.7	58.6	7.3	12.3	25.0	58.8
Eyeglasses only (mil.)	90.3	39.7	50.6	96.3	42.7	53.6	6.8	9.9	21.8	57.8
Contact lenses (mil.)	2.4	.7	1.8	7.0	2.0	5.0	.4	2.4	3.2	1.0
Percent wearing lenses	49.2	44.2	53.8	50.9	45.7	55.7	14.3	39.2	45.3	68.5
Eyeglasses only	47.1	43.1	50.9	47.5	43.7	50.9	13.5	31.5	39.4	66.0
Contact lenses	1.3	.7	1.8	3.5	2.1	4.8	.8	7.7	5.8	1.5

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10.

No. 194. PERSONS USING SPECIAL HEALTH AIDS—NUMBER AND RATE, BY AGE: 1977

[Covers civilian noninstitutional population. Based on National Health Interview Survey; see Appendix II]

TYPE OF AID	NUMBER (1,000)					RATE PER 1,000 POPULATION				
	Total	Under 15 years	15-44 years	45-64 years	65 yr. and over	Total	Under 15 years	15-44 years	45-64 years	65 yr. and over
Cane or walking stick.....	2,714	-	153	550	2,011	12.8	-	1.6	12.7	90.3
Special shoes.....	1,482	572	285	401	253	7.0	11.1	2.6	8.2	11.4
Leg or foot brace.....	308	78	133	119	70	1.9	1.6	1.4	2.7	3.1
Other braces.....	1,004	51	298	480	196	4.7	1.0	3.1	10.6	8.8
Walker.....	688	22	26	93	549	3.2	1.4	1.3	2.1	24.7
Wheelchair.....	845	47	116	148	334	3.0	.9	1.2	3.4	15.0
Crutches.....	613	50	211	202	181	2.9	1.0	2.2	4.7	6.8
Artificial leg or foot.....	205	13	46	82	84	1.0	1.3	.5	1.9	2.9

- Represents zero. ¹ Figure does not meet standards of reliability or precision.Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10.

No. 195. DRUG USE, BY TYPE OF DRUG AND BY AGE GROUP: 1972 TO 1979

[Current users are those who used drugs at least once within month prior to this study. For 1979, based on national samples of 2,185 youths (12-17 yrs. old), 2,044 young adults (18-25 yrs. old), and 3,015 older adults (26 yrs. old and over). Subject to sampling variability; see source]

TYPE OF DRUG	PERCENT OF YOUTHS				PERCENT OF YOUNG ADULTS				PERCENT OF ADULTS			
	Ever used		Current user		Ever used		Current user		Ever used		Current user	
	1972	1979	1972	1979	1974	1979	1974	1979	1974	1979	1974	1979
Marihuana.....	14.0	30.9	7.0	18.7	52.7	66.2	25.2	35.4	9.9	19.6	2.0	6.0
Inhalants.....	6.4	9.9	1.0	2.0	9.2	16.5	(z)	1.2	1.2	3.8	(z)	.5
Hallucinogens.....	4.8	7.1	1.4	2.2	16.6	25.1	2.5	4.4	1.3	4.5	(z)	(z)
Cocaine.....	1.5	5.4	.6	1.4	12.7	27.5	3.1	9.3	.9	4.3	(z)	.9
Heroin.....	.8	.5	(z)	(z)	4.5	3.5	(z)	(z)	.5	1.0	(z)	(z)
Analgesics.....	(NA)	3.2	(NA)	.6	(NA)	11.8	(NA)	1.0	(NA)	2.7	(NA)	(z)
Stimulants ¹	4.0	3.4	(NA)	1.2	17.0	16.2	3.7	3.5	3.0	5.8	(z)	.5
Sedatives ¹	9.0	3.2	(NA)	1.1	15.0	17.0	1.8	2.8	2.0	3.5	(z)	(z)
Tranquilizers ¹	3.0	4.1	(NA)	.6	10.0	15.6	1.2	2.1	2.0	3.1	(z)	(z)
Alcohol.....	(NA)	70.3	24.0	37.2	81.6	95.3	89.3	75.9	73.2	91.5	54.5	61.3
Cigarettes.....	(NA)	54.1	17.0	12.1	68.8	82.8	48.6	42.6	65.4	63.0	39.1	36.9

NA Not available. z Less than .5 percent. ¹ Prescription drugs.

No. 196. MARIJUANA AND ALCOHOL—PERCENT OF POPULATION WHO ARE CURRENT USERS, 1972 TO 1979

[See headnote, table 195]

CHARACTERISTIC	YOUTHS			YOUNG ADULTS		ADULTS	
	1972	1976	1979	1979	1979	1979	1979
MARIJUANA							
Current users, total.....	7	12	17	25	36	4	6
Male.....	9	14	19	31	45	6	9
Female.....	6	11	14	19	20	2	3
White.....	6	12	17	26	36	3	6
Black and other.....	2	11	15	22	34	6	8
SMSA's with 1 million or more inhabitants ¹	(NA)	16	20	29	39	6	8
SMSA's with under 1 million inhabitants ¹	(NA)	11	14	28	36	4	6
Nonmetropolitan areas.....	(NA)	6	16	16	30	1	4
ALCOHOL ²							
Current users, total.....	24	32	37	69	78	56	61
Male.....	27	36	39	79	84	63	72
Female.....	21	29	36	58	69	49	52
White.....	24	34	38	72	78	67	62
Black and other.....	19	23	29	54	62	50	58
SMSA's with 1 million or more inhabitants ¹	24	38	40	78	80	70	72
SMSA's with under 1 million inhabitants ¹	28	33	35	72	75	54	58
Nonmetropolitan areas.....	20	26	35	55	71	41	51

NA Not available. ¹ Refers to standard metropolitan statistical areas as defined in 1970 census publications. For definition of SMSA, see Appendix II. ² For 1972 and 1976, respondent gave answers orally. Beginning 1979, respondent marked answer on a private sheet.Source of tables 195 and 196: U.S. National Institute on Drug Abuse, *National Survey on Drug Abuse: Main Findings, 1979*.

No. 197. DRUG ABUSE TREATMENT UNITS: 1977 TO 1980

[In thousands, except as noted. 1977 and 1978, as of April 30; 1980 as of Sept. 30. Includes Puerto Rico and Virgin Islands. Treatment unit refers to a facility that specifically provides direct, on-site drug abuse treatment services to its clients. Based on a complete census of all known units; for 1980, the response rate was over 90 percent.]

ITEM	1977	1978	1980	ITEM	1977	1978	1980
Treatment units (number).....	3,147	3,590	3,449	Clients—Con.			
Clients.....	¹ 234.6	202.7	¹ 181.5	Outpatient and day care.....	203.3	173.8	157.2
By mode of treatment:				Residential.....	18.5	16.8	15.1
Drug free ²	147.2	125.1	105.0	Hospital inpatient.....	3.7	2.9	2.6
Detoxification ³	5.8	5.6	5.2	Prison.....	9.1	9.2	6.6
Methadone maintenance ⁴	80.0	71.6	67.9	Total funding (mil. dol.).....	510.7	510.6	486.6
				Total staff.....	40.5	⁵ 36.1	⁵ 36.0

¹Includes other modes of treatment, not shown separately. ²Drug withdrawal without medication. ³Drug withdrawal supported by use of prescribed medication. If methadone used, treatment for 21 days or less. ⁴Continued use of methadone for a period of more than 21 days. Includes other maintenance treatments. ⁵Includes staff for alcoholism treatment when drug abuse and alcoholism are treated at same unit. Full-time equivalent employment.

Source: U.S. National Institute on Drug Abuse, *NIDA Statistical Series*, series F, periodic.

No. 196. CIGARETTE SMOKING BY SEX AND AGE: 1970 TO 1980

[Civilian noninstitutionalized population: 17 years old and over. Based on National Health Interview Survey; see Appendix III. Smoking data were obtained from self-respondents only]

SEX, YEAR, AND AGE	Unit	Total population ¹	Persons who never smoked	Persons who ever smoked ²	Former smokers	PRESENT SMOKERS				
						Total ³	Cigarettes smoked per day (heaviest amount)			
							Under 15	15-24	25-34	35 or more
1970: Both sexes ⁴	1,000.....	133,132	59,675	72,678	23,859	48,819	15,517	20,628	5,256	5,707
Percent of total.....	Percent.....	100.0	44.8	54.8	17.9	36.7	11.7	15.5	3.9	4.3
Male.....	1,000.....	62,310	19,144	42,773	15,961	26,912	7,163	11,458	3,180	3,959
Percent of total.....	Percent.....	100.0	30.7	66.6	25.5	43.2	11.5	18.4	5.1	6.4
17-24 years.....	1,000.....	12,034	5,644	6,016	1,131	4,885	1,822	2,053	442	277
25-44 years.....	1,000.....	22,542	5,779	16,641	5,235	11,406	2,516	5,124	1,505	1,895
45-64 years.....	1,000.....	19,644	4,513	15,085	6,302	8,783	2,047	3,803	1,081	1,625
65 years and over.....	1,000.....	8,090	3,007	5,051	3,193	1,858	778	678	131	162
Female.....	1,000.....	70,822	40,531	29,905	7,080	21,967	8,354	9,170	2,086	1,748
Percent of total.....	Percent.....	100.0	57.2	42.2	11.3	30.9	11.8	12.9	3.0	2.5
17-24 years.....	1,000.....	13,908	8,562	5,186	991	4,198	1,927	1,635	266	192
25-44 years.....	1,000.....	24,349	11,302	12,958	3,550	9,408	3,211	4,004	1,108	900
45-64 years.....	1,080.....	21,658	11,813	9,744	2,632	7,111	2,675	3,056	848	583
65 years and over.....	1,000.....	10,907	8,835	2,015	825	1,190	541	475	56	74
1978: Both sexes.....	1,000.....	157,461	71,901	84,618	23,859	51,947	15,372	21,780	6,801	7,120
Percent of total.....	Percent.....	100.0	45.7	53.7	20.7	33.0	9.8	13.8	4.3	4.5
Male.....	1,000.....	74,379	26,021	47,806	20,462	27,345	7,055	11,187	4,021	4,633
Female.....	1,080.....	83,082	45,880	36,806	12,203	24,603	8,317	10,593	2,780	2,487
1980: Both sexes ⁴	1,000.....	160,796	74,086	85,572	33,120	52,442	15,256	21,806	8,880	7,946
Percent of total.....	Percent.....	100.0	46.1	53.2	20.6	32.6	9.5	13.6	4.2	4.9
Male.....	1,000.....	75,970	29,905	48,423	20,672	27,751	8,880	11,543	4,046	5,100
Percent of total.....	Percent.....	100.0	36.4	63.7	27.2	36.5	6.7	15.2	5.3	6.7
17-24 years.....	1,000.....	15,699	9,059	6,522	1,504	5,018	1,684	2,308	494	445
25-44 years.....	1,000.....	29,549	9,837	19,457	6,686	12,571	2,584	5,572	2,006	2,276
45-64 years.....	1,000.....	20,830	4,583	16,014	7,812	8,402	1,759	2,942	1,362	2,133
65 years and over.....	1,000.....	9,691	3,418	6,431	4,670	1,780	551	723	183	246
Female.....	1,806.....	84,826	47,180	37,149	12,458	24,690	6,311	10,262	2,755	2,846
Percent of total.....	Percent.....	100.0	56.6	43.8	14.7	29.1	10.2	12.1	3.2	3.4
17-24 years.....	1,000.....	16,477	9,632	6,556	1,604	5,051	2,269	2,036	343	374
25-44 years.....	1,000.....	31,493	15,917	15,444	5,099	10,345	3,172	4,204	1,356	1,509
45-64 years.....	1,000.....	22,725	11,737	10,795	3,862	6,933	2,035	3,132	830	879
65 years and over.....	1,000.....	14,133	9,694	4,354	1,993	2,361	1,136	691	223	⁵ 83

¹Includes persons for whom smoking status is unknown. ²Excludes smokers with unknown present smoking status. ³Includes smokers for whom the number of cigarettes smoked per day is unknown. ⁴Estimates are based on data collected for 2 quarters, July-December, 1980. ⁵Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, vol. 21, No. 3 supplement, June 1972; and unpublished data.

No. 199. HEALTH PRACTICES—PERCENT DISTRIBUTION OF PERSONS FOLLOWING SELECTED PRACTICES, BY SEX, AGE, AND INCOME: 1977

[Covers civilian noninstitutional population. Percent distribution based on total number of persons who responded to specific questions regarding health practice. Based on National Health Interview Survey; see Appendix III]

HEALTH PRACTICE	Total ¹	SEX		AGE			FAMILY INCOME			
		Male	Fe- male	20-34 yr.	35-54 yr.	55 yr. and over	Less than \$5,000	\$5,000- \$14,999	\$15,000- \$24,999	\$25,000 and over
Population (1,000).....	139,959	65,798	74,162	51,230	46,296	42,432	18,020	52,529	34,630	21,679
PERCENT DISTRIBUTION										
Hours of sleep:										
Less than 7	21.7	23.3	20.4	20.2	22.4	22.7	27.0	21.4	20.8	19.3
7	27.9	29.8	26.4	28.9	31.3	23.2	20.4	26.6	31.7	33.6
8	37.8	35.8	39.5	38.2	37.2	38.0	35.2	38.8	37.8	38.0
9 or more	12.5	11.1	13.7	12.6	9.0	16.1	17.3	13.2	9.7	9.2
Eats breakfast:										
Every day	56.1	57.3	58.7	41.6	55.5	80.1	64.9	58.0	53.3	56.5
Sometimes	15.9	15.8	15.9	22.7	16.2	7.5	14.8	16.0	17.2	15.3
Never	26.1	27.0	25.4	35.8	28.3	12.4	20.3	26.0	29.5	28.1
Eats snacks:										
Every day	38.0	40.1	36.3	43.2	38.5	31.3	33.9	38.4	40.7	38.6
Sometimes	27.4	25.4	28.9	31.7	27.7	21.9	25.3	28.2	26.0	26.7
Never	34.7	34.4	34.8	25.1	33.7	46.9	40.8	33.4	31.2	34.7
Frequency of alcohol consumption:										
Never	28.6	21.5	34.2	18.9	25.9	42.7	46.2	30.4	21.1	14.9
Occasionally	41.9	35.9	46.7	47.3	42.1	35.4	35.0	42.8	45.5	42.5
1 or 2 times a week	15.5	20.2	11.8	15.5	16.1	10.3	10.3	14.8	17.1	20.7
3 or more times a week	14.0	22.5	7.3	14.3	16.0	11.6	8.5	12.0	16.3	21.9
Percent who drink 5 or more drinks at one sitting ²	29.4	43.1	18.5	43.1	30.2	12.4	20.4	29.2	33.4	36.8

¹ Includes persons with unknown family income. ² Based on number of persons who drink alcohol.

Source: U.S. National Center for Health Statistics, *Advance Data from Vital and Health Statistics*, No. 64, November 1980; and unpublished data.

No. 200. DRUGS AND TOILETRIES—RETAIL SALES: 1975 TO 1981

[In millions of dollars. Excludes government and hospital use]

PRODUCT	1975	1980	1981	PRODUCT	1975	1980	1981
Total sales	22,366	36,785	41,052	Toiletries	7,963	13,883	15,318
Drugs and other health aids	14,403	22,902	25,736	Hair products	2,172	3,662	4,001
Prescriptions	8,146	12,652	14,170	Shampoos	632	1,116	1,275
Packaged medications ¹	3,511	5,165	5,838	Shaving products ²	1,223	1,097	1,191
Vitamin concentrates	452	916	980	Oral hygiene	1,057	1,635	1,798
Cough and cold remedies	735	1,007	1,252	Dentifrices	494	742	³ 831
Internal analgesics ¹	719	1,309	1,386	Hand products	329	731	644
Other ^{1 2 3}	1,605	1,833	2,220	Cosmetics	1,409	3,625	3,871
Sickroom and convalescent aids	371	933	964	Lipsticks	369	694	968
First aid products ^{2 4 5}	336	627	751	Fragrances ⁶	608	1,346	1,603
Baby needs	1,074	2,510	2,665	Toilet water, cologne	429	681	534
Disposable diapers, liners	577	1,694	1,897	Personal hygiene	1,165	1,787	2,008
Feminine needs ¹	552	1,015	1,128	Bath soaps ⁷	558	1,097	1,157
Veterinary	413	(NA)	(NA)	Deodorants	607	690	807

NA Not available. ¹ For 1975, effervescent compounds reported under internal analgesics and contraceptives reported under feminine needs; beginning 1980, included in other packaged medications. ² For 1975, external antiseptics; burn and poison ivy remedies reported under other packaged medications. Beginning 1980 included in first aid products. ³ For 1975 and 1980, includes powder/liquid protein preparations and athlete's foot medications. ⁴ Beginning 1980, includes home diagnostic kits such as pregnancy tests, blood pressure and urine tests. ⁵ Includes personal insect repellents. ⁶ For 1975, after shave, men's cologne and toiletry gift sets were reported under shaving products. Beginning 1980 included in fragrances. ⁷ Toothpaste only. ⁸ Medicated soaps included in packaged medications.

Source: Medical Economics Company, Inc., Oradell, N.J., *Drug Topics*, Marketing Guide, annual. (Further reproduction prohibited without written permission of copyright owner.)

No. 201. PERCENT OF POPULATION ENGAGED IN PHYSICAL EXERCISE, BY TYPE OF EXERCISE, SEX, AND AGE: 1975

[Covers civilian noninstitutional population, 20 years old and over. Based on National Health Interview Survey; see Appendix III]

SEX AND AGE	Total population (1,000)	Per-cent exercising regularly ¹	PERCENT, BY TYPE OF EXERCISE ²						
			Ride bicycle	Calisthenics	Jog	Lift weights	Swim	Walk	All other
Total, 20 years and over	135,655	48.6	10.9	13.5	4.8	3.4	11.8	33.8	6.8
20-44 years	71,084	53.7	16.1	17.3	7.3	5.4	16.9	33.8	6.9
45-64 years	43,145	43.4	6.5	10.8	2.7	1.5	8.0	32.9	6.5
65 years and over	21,426	42.3	2.9	6.1	1.2	(B)	2.8	35.7	6.9
Male, 20 years and over	63,665	48.5	10.8	13.5	7.2	6.3	13.3	32.5	6.4
20-44 years	34,268	52.7	14.9	17.5	10.6	10.1	18.8	31.4	6.2
45-64 years	20,567	42.0	6.7	10.1	3.8	2.6	8.1	31.4	5.9
65 years and over	8,830	47.3	4.3	5.9	2.1	(B)	4.1	39.4	8.1
Female, 20 years and over	71,990	48.7	11.1	13.5	2.7	.8	10.5	35.0	7.1
20-44 years	36,816	54.6	17.2	17.1	4.1	1.1	15.0	36.0	7.5
45-64 years	22,579	44.6	6.4	11.4	1.6	(B)	7.8	34.2	7.1
65 years and over	12,595	38.7	1.8	6.3	(B)	(B)	1.9	33.0	6.0

B Base less than minimum required for reliability. ¹ Regular exercise is any exercise done on a weekly basis.

² More than one type of exercise can be reported per person.

Source: U.S. National Center for Health Statistics, *Health, United States, 1976-1977*.

No. 202. AVERAGE HEIGHTS AND WEIGHTS, BY AGE AND SEX: 1960-1962, 1971-1974 AND 1976-1980

[Height was measured without shoes. For 1960-1962, two pounds are deducted to allow for weight of clothing; for 1971-1974 and 1976-1980 total weights of all clothing ranged from .2 to .8 pound, which are not deducted from weights shown. Based on sample and subject to sampling variability; see source]

SEX, YEAR, AND HEIGHT (feet and inches)	18-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years
MEN						
HEIGHT (inches)						
1960-1962	68.7	69.1	68.5	68.2	67.4	66.9
1971-1974	69.7	69.6	69.1	68.9	68.3	67.3
1976-1980	69.7	69.6	69.4	69.0	68.4	67.4
WOMEN						
1960-1962	63.8	63.7	63.5	62.9	62.4	61.5
1971-1974	64.3	64.1	64.1	63.6	62.8	62.3
1976-1980	64.3	64.2	64.1	63.5	63.0	62.2
MEN						
WEIGHT (lb.)						
1960-1962, total	158	169	170	170	164	158
1971-1974, total	165	176	178	175	171	164
1976-1980, total	163	173	178	178	174	165
5'2"	130	139	146	148	147	143
5'3"	135	145	149	154	151	148
5'4"	139	151	155	158	156	152
5'5"	143	155	159	163	160	156
5'6"	148	159	164	167	165	161
5'7"	152	164	169	171	170	165
5'8"	157	168	174	176	174	169
5'9"	162	173	178	180	178	174
5'10"	168	177	183	185	183	178
5'11"	171	182	188	190	187	182
6'	175	186	192	194	192	187
6'1"	180	191	197	198	197	192
6'2"	185	198	202	204	201	195
WOMEN						
1960-1962, total	127	134	142	145	150	144
1971-1974, total	132	140	148	149	149	148
1976-1980, total	134	142	148	150	150	147
4'9"	111	120	131	129	132	132
4'10"	114	123	133	132	135	135
4'11"	118	126	136	136	136	136
5'	121	130	139	139	142	142
5'1"	124	133	141	143	145	145
5'2"	128	136	144	146	148	148
5'3"	131	139	146	150	151	151
5'4"	134	142	149	153	154	154
5'5"	137	146	151	157	157	157
5'6"	141	149	154	160	161	160
5'7"	144	152	158	164	164	163
5'8"	147	155	159	168	167	166

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 11, and unpublished data.

NO. 203. PER CAPITA CONSUMPTION OF MAJOR FOOD COMMODITIES: 1980 TO 1981

[In pounds, except as indicated. Consumption represents the residual after exports, nonfood use, and ending stocks are subtracted from the sum of beginning stocks, domestic production, and imports. Based on Bureau of the Census estimates of the civilian population as of July 1. For similar but unrevised data, see *Historical Statistics, Colonial Times to 1970*, series G 861-915]

COMMODITY	1980	1985	1970	1970	1977	1978	1970	1985	1981, prel.
Meats (carcass weight)	173.6	175.6	192.3	180.3	190.0	182.7	177.8	160.2	177.7
Beef	85.0	99.5	113.5	118.8	123.9	117.9	105.5	103.4	104.3
Veal	6.1	5.2	2.9	4.1	3.8	2.9	2.0	1.8	1.9
Lamb and mutton	4.8	3.7	3.3	2.0	1.7	1.6	1.5	1.5	1.6
Pork (including lard)	77.7	67.2	72.6	55.4	60.6	60.3	68.8	73.5	69.9
Fish (edible weight)	10.3	10.8	11.8	12.2	12.7	13.4	13.0	12.8	13.0
Fresh and frozen	5.7	6.0	6.9	7.5	7.7	8.1	7.8	8.0	7.8
Canned	4.0	4.3	4.5	4.3	4.8	5.0	4.8	4.5	4.8
Cured .....	.6	.5	.4	.4	.4	.3	.4	.3	.4
Poultry products:									
Eggs (number) ¹	336	314	308	277	267	272	278	273	265
Chicken (ready-to-cook)	27.8	33.3	40.4	40.1	44.1	46.7	50.6	50.1	51.7
Turkey (ready-to-cook)	6.2	7.4	8.0	8.5	9.1	9.2	9.9	10.5	10.7
Dairy products:									
Total milk fat solids	24.5	22.9	20.6	19.8	19.8	20.0	20.1	19.9	19.9
Total nonfat milk solids	43.4	40.6	39.7	37.5	37.7	37.3	37.2	36.6	36.4
Cheese	8.3	9.6	11.5	14.3	16.1	17.0	17.2	17.6	18.0
Condensed and evaporated whole milk	13.7	10.6	7.1	5.3	4.3	4.1	4.1	3.8	3.9
Fluid milk and cream (product weight)	302	292	277	267	260	257	253	250	248
Ice cream (product weight)	18.3	18.5	17.6	18.5	17.5	17.4	17.1	17.3	17.2
Fats and oils, total (fat content)	45.1	47.7	52.6	52.3	53.0	54.6	55.8	56.5	57.3
Butter (actual weight)	7.5	6.4	5.3	4.7	4.3	4.4	4.5	4.5	4.3
Margarine (actual weight)	9.3	9.8	10.8	11.0	11.4	11.2	11.2	11.3	11.2
Lard	7.5	6.3	4.6	2.8	2.2	2.2	2.4	2.4	2.5
Shortening	12.6	14.2	17.3	17.0	17.2	17.8	18.4	18.2	18.5
Other edible fats and oils	11.4	14.1	17.7	19.9	21.0	22.1	22.4	22.7	23.5
Fruits:									
Fresh, total (farm weight)	93.9	81.4	81.4	83.5	82.0	81.5	83.3	88.6	90.0
Citrus ²	33.7	29.2	28.8	29.4	26.2	26.5	24.5	28.9	25.3
Apples (commercial)	18.3	16.3	18.3	17.7	17.0	15.8	17.0	17.9	20.8
Other (excluding melons)	41.9	35.9	34.3	36.4	38.8	39.2	41.8	41.8	43.9
Processed:									
Canned fruit	22.6	23.5	23.3	19.0	19.0	17.9	17.8	17.4	16.7
Canned juices (excl. frozen)	12.9	10.6	14.5	14.6	13.6	16.5	16.9	16.7	19.1
Frozen (including juices)	9.2	8.7	9.9	14.0	14.0	12.5	12.6	13.0	12.7
Dried ³	3.1	3.0	2.7	2.9	2.5	2.1	2.6	2.4	2.4
Vegetables: ⁴									
Fresh (farm weight)	105.7	98.3	99.1	98.0	101.8	103.4	105.9	106.0	103.3
Canned (excluding potatoes and sweet potatoes)	43.4	46.9	51.1	51.9	53.1	51.9	53.2	49.8	49.4
Frozen (excluding potatoes)	7.0	8.1	9.6	9.6	10.2	10.7	11.2	10.4	11.3
Potatoes (fresh equivalent) ^{4 5}	108	107	117	120	120	117	117	113	110
Frozen potatoes (product)	2.6	5.7	11.1	13.7	15.7	17.2	17.7	16.9	18.1
Sweet potatoes (fresh equivalent) ^{4 5}	7.1	6.2	5.6	5.5	4.9	5.1	5.2	5.4	4.7
Dry edible beans	7.3	6.6	6.2	6.5	6.2	4.8	4.7	4.6	4.2
Melons (farm weight) ⁴	25.8	23.6	23.2	18.9	21.1	21.8	20.7	18.6	20.8
Sugar (refined)	97.6	97.0	101.7	89.1	94.2	91.4	89.3	83.7	79.4
Grains:									
Cornmeal and other ⁶	14.3	15.1	15.8	15.9	15.9	15.9	15.9	15.8	15.8
Corn sweeteners	13.9	18.2	23.4	34.2	39.8	43.3	47.5	52.7	58.8
Oat food products	3.6	3.4	3.2	3.2	3.2	3.2	3.1	3.1	3.1
Wheat flour ⁷	118	114	111	114	115	115	117	117	117
Wheat breakfast cereals	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Rye flour	1.1	1.1	1.2	1.0	.8	.7	.7	.7	.7
Rice, milled ²	6.1	7.6	6.7	7.6	7.5	5.7	9.4	9.4	11.0
Other:									
Coffee (green beans)	15.8	14.8	13.7	12.2	9.4	10.5	11.3	10.4	10.3
Tea .....	.6	.7	.7	.8	.8	.8	.7	.7	.7
Soft drinks (gallons)	13.6	19.2	24.0	27.3	33.3	35.4	36.8	37.8	(NA)
Cocoa beans	3.6	4.0	3.9	3.2	3.3	3.3	3.2	3.2	3.6
Peanuts (shelled) ⁸	4.9	5.6	5.8	6.5	6.3	6.8	6.8	5.5	6.1
Food consumption ⁹ (1967 = 100)	97	98	102	101	104	103	104	104	102

NA Not available. ¹ Marketing year basis. ² For crop year beginning in previous year. ³ For pack year. ⁴ Excludes produce from home gardens. ⁵ Includes quantities canned and frozen. ⁶ Includes cornstarch, corn cereal, and hominy. ⁷ Comprises white, whole wheat, and semolina flour. ⁸ For crop year beginning September of year shown. ⁹ Retail weight equivalent, weighted by constant retail prices.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Consumption, Prices, and Expenditures* (Statistical Bulletin 672), September 1981 and unpublished data.

NO. 204. NUTRITION—NUTRIENTS AVAILABLE FOR CIVILIAN CONSUMPTION PER CAPITA PER DAY AND INDEXES: 1950 TO 1980

[For 1950, excludes Alaska and Hawaii. Based on Bureau of the Census estimated population as of July 1. Quantities of nutrients computed by Human Nutrition Information Service, Consumer Nutrition Center, on the basis of estimates of per capita food consumption (retail weight), including estimates of produce of home gardens, prepared by the Economic Research Service. No deduction made in nutrient estimates for loss or waste of food in the home, use for pet food, or for destruction or loss of nutrients during the preparation of food. Data include iron, thiamin, riboflavin, and niacin added to flour and cereal products; other nutrients added primarily as follows: Vitamin A value to margarine, milk of all types, milk extenders; vitamin B₁ to cereals, meal replacements, infant formulas; vitamin B₁₂ to cereals; ascorbic acid to fruit juices and drinks, flavored beverages and dessert powders, milk extenders, and cereals. Minus sign (–) denotes decrease. See *Historical Statistics, Colonial Times to 1970*, series G 851–855, for related data.]

NUTRIENT	Unit	1950	1960	1965	1970	1975	1978	1979	1980	PERCENT CHANGE		
										1950–1960	1960–1970	1970–1980
Food energy	Calories	3,250	3,190	3,200	3,340	3,260	3,360	3,430	3,420	–1.8	4.7	2.4
Protein	Grams	94	96	97	101	99	101	102	101	2.1	5.2	–
Fat	Grams	145	148	150	160	152	156	162	162	2.1	6.1	1.2
Carbohydrate	Grams	401	376	373	382	361	369	366	366	–6.2	1.6	3.7
Calcium	Grams	.96	.96	.94	.93	.90	.91	.91	.91	–2.0	–3.1	–2.2
Phosphorus	Grams	1.53	1.52	1.51	1.53	1.50	1.51	1.53	1.52	7	7	7
Iron	Milligrams	16.0	16.0	16.0	17.0	16.9	17.2	17.3	17.2	–	6.2	1.2
Magnesium	Milligrams	361	343	336	340	341	339	344	341	–5.0	–9	3
Vitamin A	Int'l units	8,500	8,100	7,700	8,200	8,100	8,100	8,100	8,000	–4.7	1.2	2.4
Thiamin	Milligrams	1.90	1.92	1.85	1.96	1.95	2.10	2.17	2.19	1.1	2.1	11.7
Riboflavin	Milligrams	2.29	2.29	2.24	2.31	2.30	2.39	2.41	2.39	–	9	3.5
Niacin	Milligrams	20.4	21.7	22.4	24.1	24.6	26.0	26.3	26.1	6.4	11.1	8.3
Vitamin B ₆	Milligrams	1.83	1.86	1.83	1.96	1.96	1.99	2.02	2.01	1.6	6.5	1.6
Vitamin B ₁₂	Micrograms	9.7	9.0	9.0	9.7	9.2	9.2	9.0	9.0	3.4	7.8	–7.2
Ascorbic acid	Milligrams	106	106	98	111	120	119	121	124	–	4.7	11.7
INDEXES (1967 = 100)												
Food energy	Percent	96	96	96	102	100	103	105	105	1.0	4.1	2.9
Protein	Percent	96	97	96	102	100	102	103	102	2.1	5.2	–
Fat	Percent	94	95	97	103	96	102	106	105	1.1	6.4	1.9
Carbohydrate	Percent	106	100	99	101	101	103	106	105	5.7	1.0	4.0

– Represents zero.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Consumption, Prices, and Expenditures*, Statistical Bulletin No. 656. 1980 data from *National Food Review*, Winter 1981.

NO. 205. DAily PER CAPITA INTAKE OF SELECTED NUTRIENTS, BY RACE AND INCOME LEVELS: 1971–1974 AND 1976–1980

[Covers persons 1–74 years old. Represents average daily intake per person. For definition of median and mean, see Guide to Tabular Presentation. Based on findings of a sample survey in the first and second Health and Nutrition Examination Survey; see Appendix III. Subject to sampling variability; see source.]

NUTRIENT	1971–1974					1976–1980				
	Total persons ¹	White	Black	Persons with income ²		Total persons ¹	White	Black	Persons with income ²	
				Below poverty level	Above poverty level				Below poverty level	Above poverty level
Calories, mean	1,994	2,017	1,825	1,817	2,021	1,976	1,999	1,842	1,844	2,001
Median	1,820	1,840	1,666	1,645	1,845	1,773	1,797	1,650	1,667	1,797
Protein (g), mean	77.83	78.82	69.65	66.76	79.11	76.19	77.13	69.37	68.69	77.52
Median	69.63	70.76	61.11	61.41	70.96	66.31	67.28	60.56	59.77	67.56
Calcium (mg), mean	857	867	654	762	862	824	851	655	775	835
Median	727	756	553	653	740	686	706	543	651	695
Iron (mg), mean	11.95	12.10	10.60	10.70	12.13	13.01	13.23	11.61	11.71	13.24
Median	10.66	10.69	8.55	8.36	10.77	11.29	11.42	10.07	10.06	11.47
Vitamin A (I.U.), mean	4,774	4,902	4,613	4,361	4,621	5,146	5,101	4,460	4,460	5,253
Median	3,060	3,133	2,569	2,627	3,147	3,321	3,377	2,616	2,820	3,409
Vitamin C (mg), mean	86.32	86.99	80.01	72.05	86.53	100.82	100.07	101.84	84.48	103.47
Median	56.23	60.42	49.09	41.37	61.97	66.66	66.60	65.96	50.66	71.57

¹ Includes persons of other races, not shown separately.

² See text, p. 417 and tables 727

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 11, No. 202 and unpublished data.

Federal Food Programs

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No. 206. FEDERAL FOOD PROGRAMS: 1960 TO 1981

[For years ending June 30 except, beginning 1977, ending Sept. 30. Includes Puerto Rico, Guam, Trust Territory of the Pacific Islands, Virgin Islands, and, beginning 1980, American Samoa. All participation data are average monthly figures. Participants are not reported for special milk program, nutrition program for the elderly, and charitable institutions program. Cost data are direct benefits to recipients; excludes expenditure for administrative and other operational costs]

PROGRAM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Food stamps:											
Participants	Million	(x)	4	4.3	17.1	18.5	17.1	18.2	17.7	20.1	22.0
Federal cost	Mill. dol.	(x)	33	550	4,386	5,327	5,067	5,139	6,478	8,686	10,633
National school lunch program (NSLP):¹											
Children participating	Million	13.8	18.3	22.5	24.9	25.5	26.3	26.7	27.2	27.2	27.1
Federal cost ²	Mill. dol.	94	130	300	1,289	1,479	1,674	1,825	2,002	2,293	2,397
School breakfast (SB):											
Children participating	Million	(x)	(x)	5	1.8	2.2	2.5	2.6	3.3	3.6	3.8
Federal cost ³	Mill. dol.	(x)	(x)	11	86	113	146	178	224	269	330
Special school milk:											
Quantity reimbursed	Mill. lb. pt.	2,385	2,967	2,902	2,139	2,305	2,247	1,986	1,857	1,795	1,538
Federal cost	Mill. dol.	81	97	101	123	144	153	142	141	146	58
Women-infant-children:⁴											
Participants	Million	(x)	(x)	1	.5	7	1.0	1.2	1.8	2.0	2.2
Federal cost	Mill. dol.	(x)	(x)	8	94	155	227	334	447	603	733
Child care feeding:⁵											
Children participating	Million	(x)	(x)	1	.4	.4	.5	.5	.6	7	9
Federal cost	Mill. dol.	(x)	(x)	*8	*99	88	124	149	183	214	296
Summer feeding:⁶											
Children participating	Million	(x)	(x)	1	1.3	2.0	2.1	1.8	1.6	1.6	1.4
Federal cost	Mill. dol.	(x)	(x)	(*)	(*)	72	126	107	112	114	105
Needy family commodity:											
Participants	Million	3.9	5.3	3.8	.3	1	1	1	1	1	1
Federal cost	Mill. dol.	59	227	289	58	11	11	13	21	20	20
Federal cost of commodities donated to:											
Schools (NSLP and SB)	Mill. dol.	132	272	265	424	419	542	609	682	907	929
Charitable institutions	Mill. dol.	18	30	23	20	12	18	29	50	71	76
Nutrition for the elderly	Mill. dol.	(x)	(x)	(x)	2	9	19	38	52	■	80

X Not applicable. ¹See headnote, table 208.

²Excludes cost of commodities donated to schools. Excludes State contributions to cost of meals. ³Covers special supplemental food program (NSC) and commodity supplemental food program. Excludes administrative cost of up to 20% of program expenditures.

⁴Program provides year-round subsidies to feed preschool children in child care centers and family day care homes. Between 1970 and 1975 program was combined with summer feeding program.

⁵Cost data for summer feeding program included with child care feeding program. ⁶Program provides free meals to children in poor areas during summer months. See also footnote 4. ⁷Includes cash-in-lieu of commodities.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual, and unpublished data.

No. 207. FEDERAL FOOD STAMP PROGRAM: 1961 TO 1981

[Except as noted, for years ending June 30 through 1978; beginning 1977, ending Sept. 30. Beginning 1978, includes Puerto Rico, Guam, and Virgin Islands. Data for U.S. are periodically revised; therefore data will not match U.S. totals in table 206]

YEAR	Participants ¹ (1,000)	Average monthly participation (1,000)	VALUE OF STAMPS ISSUED				
			Total coupon value (mil. dol.)	Cost to participants (mil. dol.)	Federal Govt. contribution		
					Total (mil. dol.)	Percent of total coupon value	Average monthly per participant
1961	50	50	1	(2)	(2)	■	\$7.88
1965	633	425	65	63	33	38.0	6.36
1970	6,457	4,340	1,080	540	550	50.4	10.65
1971	10,548	9,368	2,713	1,190	1,523	56.1	13.55
1972	11,594	11,109	3,308	1,512	1,797	54.3	13.48
1973	12,107	12,186	3,884	1,753	2,131	54.9	14.80
1974	13,524	12,882	4,727	2,009	2,718	57.5	17.81
1975	19,197	17,084	7,266	2,890	4,386	60.4	21.41
1976	17,962	18,549	8,700	3,373	5,327	61.2	23.93
1977	18,134	17,077	8,351	3,284	5,067	60.7	24.73
1978	18,000	15,248	8,280	3,141	5,139	62.0	■
1979	18,309	17, ■	*7,225	*747	6,478	(*)	30.59
1980	21,989	20,077	*8,686	(*)	8,686	(*)	34.35
1981, prel.	22,158	21,976	*10,633	(*)	10,633	(*)	39.99

Z Less than \$500,000. ¹As of end of fiscal year

²As of Jan. 1, 1979, participants were no longer required to pay for a portion of total coupon value.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual.

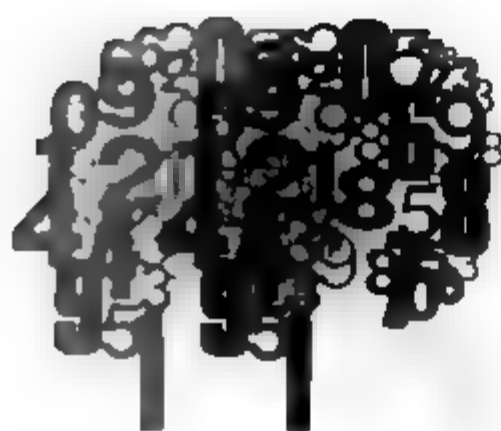
No. 208. FEDERAL FOOD STAMP AND NATIONAL SCHOOL LUNCH PROGRAMS—STATES AND OTHER AREAS: 1975 TO 1981

(Cost data: 1975 for year ending June 30. Beginning 1980 year ending Sept. 30. Food stamp participants as of June 30 for 1975, as of Sept. 30 beginning 1980. Data on pupils participating in National School Lunch Program are for month in which report pupils participated nationwide. For National School Lunch Program, covers public and private elementary and secondary schools and residential child care institutions. Sponsors of school lunch programs are reimbursed by Federal Government at rates set by law for each meal served.)

STATE OR OTHER AREA	FOOD STAMP PROGRAM						NATIONAL SCHOOL LUNCH PROGRAM					
	Persons (1,000)			Federal cost (mil. dol.)			Pupils (1,000)			Federal cost (mil. dol.)		
	1975	1980	1981	1975	1980	1981	1975	1980	1981	1975	1980	1981
Total	19,197	21,990	22,199	4,366.5	5,896.1	10,833.1	25,299	27,182	27,073	1,299.0	2,292.5	2,399.8
U.S.	17,351	20,077	20,244	4,118.1	7,825.8	9,715.3	24,740	26,589	26,459	1,252.0	2,210.4	2,314.3
Ala.	303	606	590	102.6	245.8	292.9	634	629	597	35.7	60.6	64.2
Alaska	12	32	31	6.6	21.6	30.4	35	33	36	1.2	4.0	4.7
Ariz.	169	227	212	40.8	94.3	124.5	241	318	287	11.3	22.9	24.2
Ark.	267	301	296	74.9	121.5	136.5	341	355	326	18.4	30.1	33.2
Calif.	1,517	1,571	1,622	380.8	527.3	600.1	1,490	1,950	2,110	97.0	199.3	230.0
Colo.	182	173	169	44.2	70.9	87.6	257	304	301	11.1	21.5	22.2
Conn.	189	174	173	34.5	59.0	71.2	221	288	276	10.7	23.4	22.7
Del.	39	53	53	7.7	21.4	27.1	81	66	66	3.3	5.9	5.2
D.C.	111	104	98	25.7	40.1	47.1	74	57	46	5.8	6.9	8.4
Fla.	767	987	910	206.6	420.0	503.0	945	1,065	1,058	51.4	99.4	107.3
Ga.	569	658	635	129.3	264.1	308.4	845	891	912	50.2	80.1	82.6
Hawaii	84	108	105	23.6	59.8	69.2	157	182	165	4.8	9.2	12.6
Idaho	39	64	63	10.4	27.8	34.5	98	121	123	3.3	7.4	8.1
Ill.	948	915	888	235.7	394.2	505.9	1,079	1,135	1,110	55.6	90.6	98.5
Ind.	255	399	398	58.2	154.3	204.1	739	720	728	23.5	36.1	41.0
Iowa	118	156	166	28.1	53.3	75.4	485	445	427	14.5	23.8	23.6
Kans.	63	104	114	12.3	37.8	52.1	304	306	301	10.8	18.9	19.0
Ky.	449	486	503	128.4	211.2	269.0	572	567	546	29.4	47.4	49.1
La.	502	584	555	148.4	243.2	270.4	805	767	787	45.8	67.4	69.0
Maine	151	139	131	31.0	59.2	69.5	136	145	145	7.3	13.4	13.7
Md.	273	335	341	76.2	139.5	170.7	398	434	435	20.2	35.3	34.2
Mass.	580	448	420	81.7	171.3	190.6	734	703	673	30.3	50.8	48.3
Mich.	685	903	953	123.4	262.8	398.4	712	903	861	33.5	67.3	69.9
Minn.	191	186	200	40.3	61.6	84.2	571	557	574	20.7	31.8	32.0
Miss.	390	518	509	109.7	186.2	234.7	439	430	426	31.5	49.6	52.5
Mo.	299	364	379	82.0	141.6	183.0	639	684	650	26.3	45.2	47.5
Mont.	38	45	48	10.9	19.3	22.5	92	110	91	3.3	8.2	6.1
Nebr.	50	72	73	11.3	24.9	31.2	196	204	199	6.7	12.1	12.3
Nev.	34	37	33	10.5	15.3	20.0	50	79	74	2.0	5.0	5.2
N.H.	66	53	51	11.3	21.4	27.8	83	101	103	3.4	7.6	7.2
N.J.	595	800	877	125.2	226.1	279.4	557	679	679	29.9	63.1	65.5
N. Mex.	154	191	170	46.4	80.6	88.5	179	174	175	11.8	19.3	19.9
N.Y.	1,398	1,800	1,827	299.9	722.7	677.9	1,798	1,863	1,677	102.2	186.7	187.6
N.C.	537	592	582	121.9	233.8	272.1	922	932	914	52.9	89.6	91.8
N. Dak.	19	29	29	4.5	9.2	12.1	93	93	92	3.4	5.4	5.8
Ohio	924	916	906	253.4	378.5	509.3	1,102	1,156	1,139	48.6	62.6	61.9
Ore.	184	214	195	37.7	72.9	82.4	367	406	409	16.9	29.5	30.0
Oreg.	208	207	236	56.1	79.7	132.4	240	275	272	9.8	17.7	19.4
Pa.	893	1,030	1,078	174.9	372.0	492.0	1,154	1,331	1,357	54.3	94.1	95.8
R.I.	104	87	86	18.0	29.9	40.6	84	66	72	4.5	7.3	7.7
S.C.	421	440	429	121.3	180.4	212.0	480	488	486	32.6	50.4	52.7
S. Dak.	31	48	45	7.7	17.7	21.0	101	101	117	4.2	7.5	7.9
Tenn.	435	674	660	115.4	278.8	339.5	829	847	834	31.8	54.9	58.9
Tex.	1,086	1,203	1,193	315.2	514.4	600.3	1,522	1,635	1,600	89.3	164.1	177.1
Utah	50	61	64	11.0	21.1	29.9	199	233	224	6.8	14.2	8.7
Vt.	48	41	48	9.3	17.0	21.9	60	59	62	2.7	4.6	4.5
Va.	283	412	422	63.2	167.6	200.5	724	720	704	32.8	53.5	52.9
Wash.	239	280	271	68.0	90.1	135.1	326	356	399	15.0	25.7	26.9
W. Va.	204	216	225	56.1	86.7	121.9	256	345	241	13.8	23.0	23.9
Wis.	163	237	264	29.3	98.1	99.4	506	533	522	17.8	31.6	32.4
Wyo.	11	15	14	2.7	6.8	7.2	41	51	59	1.4	2.6	2.7
P. Rico	1,800	1,855	1,853	261.0	526.7	579.1	497	549	525	33.1	71.2	74.1
Am. Samoa	(x)	(x)	(x)	(x)	(x)	(x)	9	9	8	.8	.9	.5
Guam	21	24	26	3.5	14.6	17.9	21	22	22	.8	1.9	2.0
Virgin Is.	25	34	35	5.9	19.0	20.6	23	20	21	1.8	2.6	.9
Trust Terr.	(x)	(x)	(x)	(x)	(x)	(x)	-	23	26	-	5.1	5.1

- Represents zero. X Not applicable.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service, unpublished data. Federal cost data are published in *Agricultural Statistics*, annual.



Section 5

Education

This section presents data primarily concerning formal education as a whole, at various levels, and for public and private schools. Data shown relate to the school-age population and school enrollment, educational attainment, education personnel, and financial aspects of education. In addition, data are shown for libraries, adult education, and vocational training. The chief sources are the decennial census of population and the Current Population Survey (CPS), both conducted by the Bureau of the Census (see text, page 1), and annual, biennial, and other periodic surveys conducted by the National Center for Education Statistics.

The censuses of population have included data on school enrollment since 1840 and on educational attainment since 1940. The CPS has reported on school enrollment annually since 1945 and on educational attainment and illiteracy periodically since 1947.

The National Center for Education Statistics (NCES), part of the U.S. Department of Education, is continuing the pattern of statistical studies and surveys conducted by the U.S. Office of Education since 1870. The annual *Digest of Education Statistics* provides summary data on pupils, staff, finances, including government expenditures, and organization at elementary, secondary, and higher education levels and is also the primary source for detailed information on Federal funds for education and related activities. Projections of enrollment, graduates, teachers, and expenditures appear in the biennial *Projections of Education Statistics. The Condition of Education*, issued annually, presents a summary of information on education.

Other sources of data include special studies by NCES, publications of the National Education Association, and annual or biennial reports of education agencies in individual States. The census of governments, conducted by the Bureau of the Census every 5 years (for the years ending in "2" and "7"), provides data on school district finances and State and local government expenditures for education. Reports published by the Bureau of Labor Statistics contain data relating employment experience to educational attainment.

Types and sources of data.—The statistics in this section are of two general types. One type, exemplified by data from the Bureau of the Census, is based on direct interviews with individuals to obtain information about their own and their families' education. Data of this type relate to school enrollment and level of education attained, classified by age, sex, and other characteristics of the population. The school enrollment statistics reflect attendance or enrollment in any regular school within a given period; educational attainment statistics reflect the highest grade completed by an individual.

The second type, exemplified by data from NCES and the National Education Association, is based on reports from administrators of educational institutions and of State and local agencies having jurisdiction over education. Data of this type relate to enrollment, attendance, staff, and finances for the Nation, individual States, and local areas.

Unlike NCES, the Census Bureau does not regularly include specialized vocational, trade, business, or correspondence schools in its surveys. Both the Bureau of the Census and NCES include kindergartens in enrollment figures, the Census Bureau also includes all nursery schools, while NCES includes only publicly financed ones. At the higher education level, the statistics of both agencies are concerned with institutions granting degrees or offering work acceptable for degree-credit, such as junior colleges.

School attendance.—All States require that children attend school. While State laws vary as to the ages and circumstances of compulsory attendance, generally they require that formal schooling begin by age 6 and continue to age 18.

Schools.—NCES defines a *school* as "a division of the school system consisting of students composing one or more grade groups or other identifiable groups, organized as one unit with one or more teachers to give instruction of a defined type, and housed in a school plant of one or more buildings. More than one school may be housed in one school plant, as is the case when the elementary and secondary programs are housed in the same school plant."

Regular schools are those which advance a person toward a diploma or degree. They include public and private nursery schools, kindergartens, graded schools, colleges, universities, and professional schools. *Public* schools are schools controlled and supported by local, State, or Federal governmental agencies; *private* schools are those controlled and supported mainly by religious organizations or by private persons or organizations.

The Bureau of the Census defines *elementary* schools as including grades 1 through 8; *high* schools as including grades 9 through 12; and *colleges* as including junior or community colleges, regular 4-year colleges, and graduate or professional schools. Statistics reported by NCES and the National Education Association by type of organization, such as elementary level and secondary level, may not be strictly comparable with those from the Bureau of the Census because the grades included at the two levels vary, depending on the level assigned to the middle or junior high school by the local school systems.

School year.—Except as otherwise indicated in the tables, data refer to the school year which, for elementary and secondary schools, generally begins in September of the preceding year and ends in June of the year stated. For the most part, statistics concerning school finances are for a 12-month period, usually July 1 to June 30. Enrollment data generally refer to a specific point in time, such as fall, as indicated in the tables.

Statistical reliability.—For a discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to Census Bureau and NCES data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 209. PUBLIC AND PRIVATE SCHOOLS—NUMBER, BY LEVEL: 1940 TO 1980

(As of fall of preceding year. Prior to 1980, excludes Alaska and Hawaii. Schools classified by type of organization, rather than by grade-group; elementary excludes kindergarten and secondary includes junior high schools. See Appendix III and also *Historical Statistics, Colonial Times to 1970*, series H 413-417 and H 609)

TYPE OF SCHOOL	UNIT	1940	1950	1960	1964	1970	1975	1979	1979	1980
Elementary	1,000	194.4	138.6	106.4	89.6	81.2	(NA)	81.8	79.2	(NA)
Public	1,000	¹ 183.1	129.2	81.9	73.2	65.8	² 63.6	² 64.4	² 62.0	² 63.4
One-teacher	1,000	¹ 107.7	59.7	20.2	6.5	2.1	1.2	1.0	1.1	³ 0.9
Private ¹	1,000	11.3	10.4	13.6	15.3	14.4	(NA)	16.4	16.1	(NA)
Secondary	1,000	28.7	27.9	25.8	31.2	30.5	(NA)	29.9	30.3	(NA)
Public ¹	1,000	¹ 25.1	24.5	25.8	26.6	26.3	² 25.7	² 24.0	² 24.5	² 22.7
Private ¹	1,000	3.6	3.3	4.1	4.6	4.2	(NA)	5.9	5.8	(NA)
Higher education ⁴	Number	1,708	1,851	2,008	2,236	2,526	3,004	3,095	3,134	3,152
Public	Number	603	641	701	821	1,060	1,433	1,473	1,474	1,475
Private	Number	1,105	1,210	1,307	1,409	1,466	1,571	1,622	1,660	1,677

NA Not available. ¹Includes combined elementary-secondary schools. ²1942 data. ³Excludes special education schools for the handicapped and, beginning 1978, excludes alternative schools. ⁴Preliminary. ⁵Partially estimated.

⁴Beginning in 1975, branch campuses are counted as separate institutions.

Source: U.S. National Center for Education Statistics, 1940 and 1950, *Biennial Survey of Education in the United States*, chapter on Statistical Summary of Education; thereafter, *Digest of Education Statistics*, annual, and unpublished data.

NO. 210. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS, BY ENROLLMENT SIZE AND TYPE OF SCHOOL: 1970 AND 1978

(As of fall)

ENROLLMENT SIZE	ALL SCHOOLS ¹		ELEMENTARY ²		JUNIOR/MIDDLE HIGH ³		SENIOR HIGH ⁴	
	1970	1978	1970	1978	1970	1970	1978	1978
Total, number	89,372	87,365	47,434	44,880	9,771	10,581	15,144	16,009
	PERCENT DISTRIBUTION							
Fewer than 50 students	6.4	5.7	4.5	2.9	1.9	.9	2.4	5.0
50 to 99 students	6.0	5.2	5.2	4.7	2.8	1.9	6.9	5.8
100 to 249 students	19.0	18.8	19.9	21.6	10.9	10.0	18.7	15.6
250 to 499 students	29.0	34.4	35.7	43.9	19.4	24.7	20.4	18.1
500 to 749 students	20.8	19.5	24.3	20.6	23.0	28.4	13.9	13.9
750 to 999 students	8.2	7.7	7.5	4.9	19.8	19.9	9.8	10.3
1,000 to 1,999 students	8.2	7.4	2.8	1.5	21.8	13.9	20.3	24.1
2,000 or more students	1.4	1.4	(2)	(2)	1.0	.3	7.4	7.3

² Less than .05 percent.

¹ Includes other schools, not shown separately.

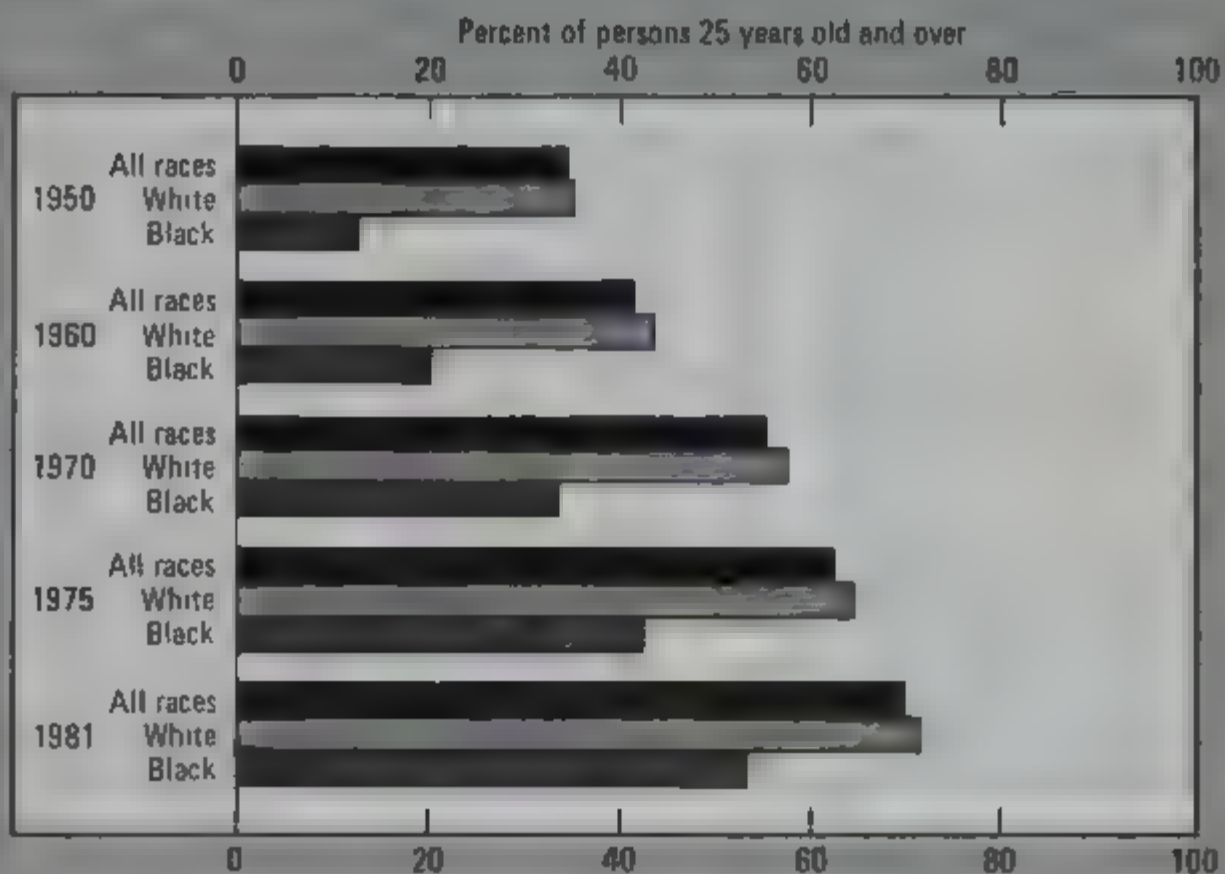
³ Grade span: Pre-kindergarten through 6.

⁴ Grade span: 5 through 9.

⁵ Grade span: 7 through 12.

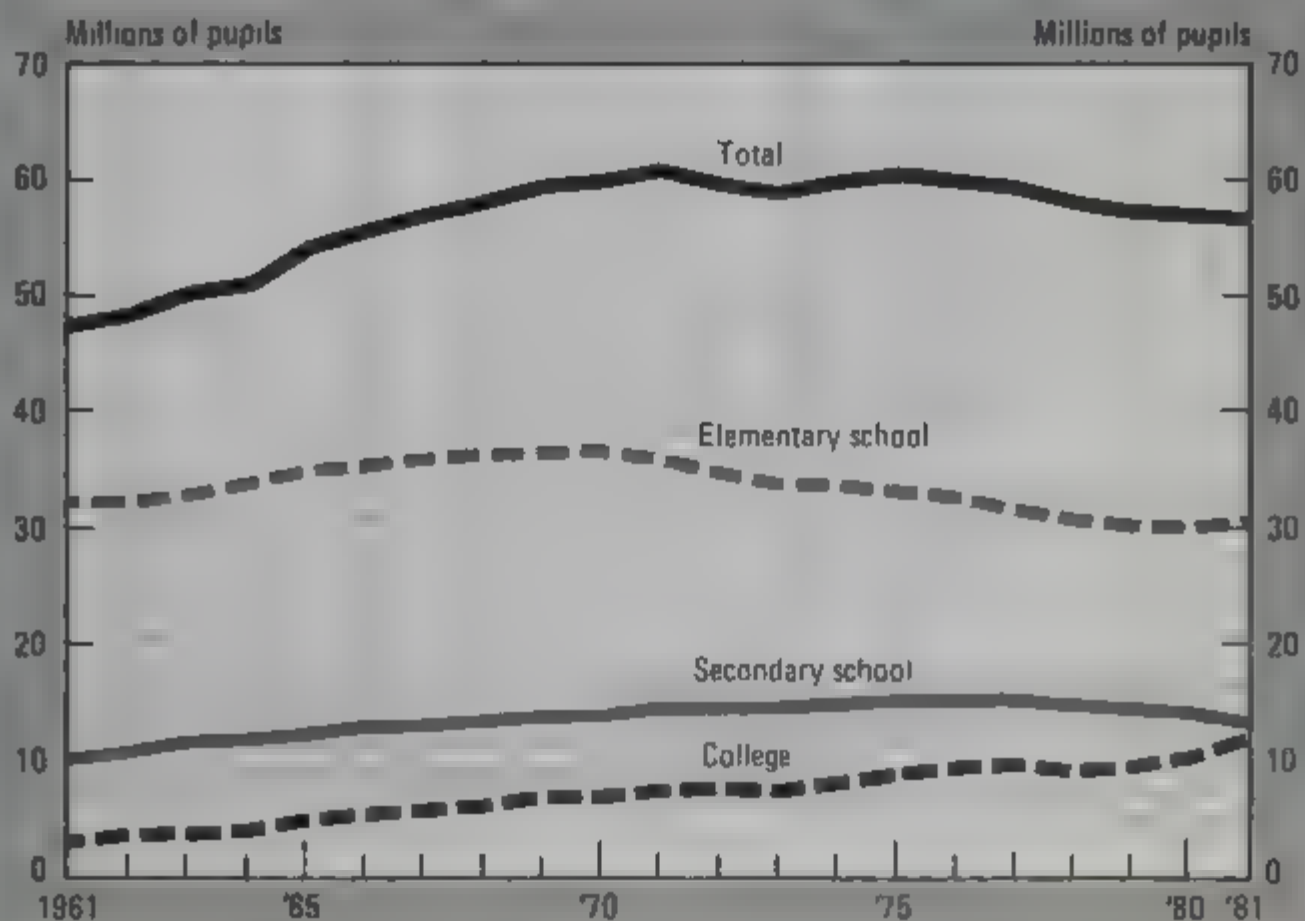
Source: U.S. National Center for Education Statistics, *The Condition of Education, 1982*.

Figure 5.1

Percent of Adults Who Have Completed Four Years of High School or More: 1950 to 1981

Source Chart prepared by U.S. Bureau of the Census. For data, see table 226

Figure 5.2

School Enrollment, by Level of Instruction: 1961 to 1981

Source Chart prepared by U.S. Bureau of the Census. For data, see table 219

No. 211. PUBLIC AND PRIVATE SCHOOLS, BY LEVEL—STATES AND OTHER AREAS

[Schools classified by type of organization, rather than by grade-group. See Appendix III]

STATE OR OTHER AREA	PUBLIC, FALL 1980				PRIVATE, FALL 1980				HIGHER EDUCATION, ² 1982	
	Total	Elementary ¹	Secondary ¹	Other ³	Total	Elementary ⁴	Secondary ⁵	Other ¹	Public	Private
U.S.	86,199	81,196	20,563	4,440	21,000	13,363	2,219	5,419	1,486	1,756
Alabama	1,485	572	392	901	290	117	14	119	37	22
Alaska	433	207	113	113	36	15	4	17	12	9
Arizona	940	735	144	61	224	127	21	76	19	9
Arkansas	1,188	720	466	2	117	66	5	46	19	16
California	7,024	5,534	1,150	340	2,444	1,532	253	659	136	136
Colorado	1,280	855	407	18	229	131	22	76	27	16
Connecticut	1,045	626	180	39	336	199	67	70	24	23
Delaware	184	118	50	16	82	41	8	33	5	3
District of Columbia	187	123	48	16	93	■	18	27	1	16
Florida	2,084	1,580	325	179	826	416	82	349	37	44
Georgia	1,833	1,366	384	83	339	114	22	203	34	44
Hawaii	230	161	53	16	114	72	15	27	9	3
Idaho	550	354	181	15	46	29	3	14	6	3
Illinois	4,304	3,350	759	195	1,360	977	139	244	63	65
Indiana	2,079	1,326	522	231	489	337	35	111	28	46
Iowa	1,793	1,122	631	40	291	231	29	31	21	39
Kansas	1,541	1,067	462	12	187	129	22	36	29	25
Kentucky	1,407	1,059	329	19	293	194	33	66	21	36
Louisiana	1,522	1,036	241	245	450	246	51	153	20	12
Maine	619	626	128	87	114	36	21	56	12	17
Maryland	1,322	901	317	104	377	229	59	85	32	24
Massachusetts	2,264	1,720	491	53	519	290	118	111	32	66
Michigan	3,837	2,689	975	173	890	606	66	194	44	47
Minnesota	1,870	1,084	662	144	■	359	38	90	30	40
Mississippi	1,057	622	435	-	188	61	18	69	25	16
Missouri	2,189	1,426	743	20	572	419	59	■	26	61
Montana	782	590	192	-	78	57	5	16	9	7
Nebraska	1,697	1,293	404	-	232	175	34	23	16	15
Nevada	276	195	74	7	■	26	2	11	6	1
New Hampshire	466	369	58	31	102	44	23	35	11	15
New Jersey	2,401	1,901	423	77	639	560	108	181	31	30
New Mexico	619	500	107	12	113	86	10	35	16	3
New York	4,143	2,779	1,177	187	1,923	1,270	223	430	66	206
North Carolina	2,032	1,454	301	277	296	115	18	185	74	53
North Dakota	719	420	135	164	84	50	8	6	11	6
Ohio	3,666	2,993	■	24	673	664	106	101	59	77
Oklahoma	1,866	1,173	708	14	82	51	7	24	29	15
Oregon	1,303	973	308	21	184	109	17	58	21	24
Pennsylvania	3,734	2,589	952	193	1,643	1,127	158	358	61	141
Rhode Island	324	246	66	10	117	70	16	31	3	10
South Carolina	1,153	799	332	22	203	71	9	123	33	27
South Dakota	751	520	219	12	108	67	10	31	6	12
Tennessee	1,741	1,245	403	93	295	132	32	131	24	65
Texas	5,522	4,209	1,240	73	672	472	56	142	66	56
Utah	637	434	158	45	26	14	5	7	8	5
Vermont	390	228	58	104	62	24	17	21	6	15
Virginia	1,794	1,384	308	101	363	184	36	141	39	30
Washington	1,751	1,107	486	179	330	188	23	119	33	17
West Virginia	1,145	788	286	72	66	49	9	29	16	12
Wisconsin	2,134	1,523	590	21	913	739	57	117	30	34
Wyoming	396	313	75	7	30	22	1	7	8	1
U.S. academies	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	■	(X)
Other areas	1,886	1,474	187	224	(NA)	(NA)	(NA)	(NA)	12	28
Puerto Rico	1,786	1,388	137	261	(NA)	(NA)	(NA)	(NA)	8	28
American Samoa	30	24	5	1	(NA)	(NA)	(NA)	(NA)	1	-
Guam	34	26	7	1	(NA)	(NA)	(NA)	(NA)	2	-
Virgin Islands	35	26	6	1	(NA)	(NA)	(NA)	(NA)	1	-

Represents zero. NA Not available. X Not applicable. ¹Includes one-teacher and middle schools. ²Includes vocational/technical high schools. ³Includes combined elementary-secondary, special education schools for the handicapped, and alternative schools. ⁴Includes middle schools. ⁵Branch campuses counted as separate institutions.

Source: U.S. National Center for Education Statistics, *Statistics of Public Elementary and Secondary School Systems: Schools, Students, and Staff, Fall 1980*; *Education Directory: Colleges and Universities, 1981-82*; and unpublished data from the 1980-81 Private School Survey.

No. 212. SCHOOL ENROLLMENT, BY TYPE OF SCHOOL: 1940 TO 1981

[In thousands. Except as noted, 1940 to 1980, for school year ending in year shown thereafter; as of fall of preceding year. See *Historical Statistics, Colonial Times to 1970*, series H 421-426, for kindergarten, elementary, and secondary. See also Appendix III]

TYPE OF SCHOOL	1940	1950	1960	1970	1974	1975	1976	1979	1980	1981
Total	28,751	31,319	45,228	55,588	59,080	60,577	59,917	59,158	59,529	58,360
Kindergarten ¹	981	1,175	2,253	2,821	2,838	3,002	3,183	2,861	3,089	3,082
Public ²	595	1,034	1,823	2,601	2,639	2,784	2,945	2,642	2,875	2,887
Grades 1-6 ¹	20,486	21,032	30,118	34,180	32,297	32,019	31,116	29,361	28,886	28,440
Public ²	18,237	18,353	25,879	29,996	28,694	28,137	27,542	25,813	25,206	24,976
Private ³	2,096	2,575	4,286	4,000	4,420	4,700	4,400	4,400	4,325	4,297
Residential schools for exceptional children	56	49	58	67	85	85	83	79	78	
Federal schools:										
For Indians	17	20	25	34	33	31	29	28	26	
On Fed. installations	(NA)	(NA)	19	33	(NA)	25	23	23	23	
Grades 9-12 ¹	7,139	8,463	9,000	14,418	15,427	15,633	15,804	15,654	15,191	14,771
Public high schools ²	6,801	5,725	6,485	13,022	14,076	14,132	14,304	14,156	13,694	13,319
Private high schools ²	458	1,672	1,035	1,300	1,250	1,400	1,400	1,400	1,400	1,357
Residential schools for exceptional children	10	10	24	37	41	41	41	44	39	
Federal schools:										
For Indians	7	8	12	12	11	11	11	10	10	
On Fed. installations	(NA)	(NA)	1	3	(NA)	4	3	3	3	
Higher education ¹	1,484	2,889	3,218	7,136	8,516	8,023	8,791	11,280	11,570	12,887
Publicly controlled	797	1,355	1,832	5,112	6,389	6,636	7,426	8,786	9,037	9,457
Privately controlled	686	1,304	1,384	2,024	2,130	2,185	2,306	2,474	2,533	2,640

NA Not available. ¹Includes private schools, residential schools for exceptional children and Federal schools for Indians; beginning 1980, also includes subcollegiate departments of higher education and Federal schools on Federal installations.

²Excludes subcollegiate departments of institutions of higher education, residential schools for exceptional children, and Federal schools.

³Data from Bureau of the Census. ⁴Includes subcollegiate departments of higher education. ⁵Estimated.

⁶Data for 1945-48. ⁷Except as noted, resident degree credit enrollment. ⁸As of fall. ⁹Includes resident and extension students in degree-credit and nondegree-credit programs.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 213. SCHOOL EXPENDITURES—PUBLIC AND PRIVATE, BY TYPE OF CONTROL AND LEVEL OF INSTRUCTION: 1960 TO 1981

[In billions of dollars, except percent. For school years ending in year shown. Includes nursery, kindergarten, and special programs when provided by school system. Nonpublic elementary and secondary school expenditures are estimates. See *Historical Statistics, Colonial Times to 1970*, series H 494, 499, and 500 for related but not comparable data, and H 513-519 for private schools. See also Appendix III]

CONTROL AND LEVEL	1960	1966	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981 ¹
Total ²	24.7	46.2	70.4	86.7	96.5	111.1	121.8	131.8	140.4	152.1	168.6	181.3
Percent of GNP ³	4.9	8.2	7.3	7.1	7.1	7.9	7.4	7.2	6.9	6.8	6.7	6.5
Current expenditures ⁴	11.1	37.6	61.6	81.0	89.3	100.0	111.0	118.8	131.0	142.6	158.1	171.1
Capital outlay ⁵	4.5	7.6	8.8	8.7	9.2	11.1	10.8	12.1	9.4	9.6	11.5	12.5
Public	18.7	35.3	58.8	72.8	80.1	91.3	100.2	107.6	114.6	123.5	136.9	147.8
Percent of total	79.8	78.1	80.8	81.6	81.3	82.2	82.3	82.1	81.7	81.2	80.7	81.4
Current expenditures ⁴	16.1	29.4	49.6	65.7	72.5	82.1	90.9	97.5	106.7	115.4	127.6	137.3
Elementary and secondary ⁷	13.1	22.7	36.3	48.0	52.2	59.3	64.8	70.6	76.0	81.7	89.9	97.5
Higher education	3.0	6.7	13.2	17.7	20.3	22.8	26.2	26.9	30.7	33.7	37.8	39.8
Capital outlay ⁵	3.6	5.9	7.2	7.1	7.6	9.2	9.1	10.1	7.9	6.1	9.3	10.3
Elementary and secondary	2.6	3.8	4.7	4.1	5.0	5.7	6.1	6.2	5.2	5.4	6.5	6.3
Higher education	.8	2.1	2.5	3.0	2.6	3.5	2.9	3.9	2.7	2.6	2.8	4.0
Private	5.0	9.9	10.6	16.9	16.4	19.8	21.6	23.4	25.7	28.7	32.7	33.7
Current expenditures ⁴	4.1	8.2	12.0	15.3	16.8	17.9	20.0	21.4	24.3	27.2	30.5	31.5
Elementary and secondary ⁷	1.7	3.0	4.2	5.7	6.4	6.6	7.3	8.0	9.0	10.2	11.4	12.2
Higher education	2.4	5.2	7.8	9.6	10.4	11.3	12.7	13.4	15.2	17.0	19.1	19.3
Capital outlay ⁵	.9	1.7	1.6	1.6	1.8	1.9	1.6	2.0	1.5	1.5	2.2	2.2
Elementary and secondary	.4	.5	.5	.5	.6	.8	.7	.7	.8	.7	.8	.8
Higher education	.5	1.2	1.1	1.1	1.0	1.3	.9	1.3	.9	.8	1.3	1.3

NA Not available. ¹Estimated. ²Excludes schools of nursing not affiliated with colleges and universities. ³Excludes residential schools for exceptional children.

⁴GNP—Gross national product; see section 14. Data are for fiscal years ending in years shown. ⁵Includes interest. ⁶Includes plant expansion. ⁷See footnote 1, table 214.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual, and *Projections of Education Statistics to 1985-88*.

No. 214. SCHOOL EXPENDITURES, BY SOURCE OF FUNDS: 1960 TO 1982

[See headnote, table 213]

TYPE OF SCHOOL AND SOURCE OF FUNDS	TOTAL (bil. dol.)											PERCENT		
	1960	1966	1970	1975	1976	1977	1978	1979	1980	1981	1982	1960	1970	1982
Total	24.7	45.2	70.4	111.1	121.8	131.0	140.4	152.1	160.8	181.2	199.8	100.0	100.0	100.0
Federal	1.7	5.0	7.5	12.1	12.8	14.4	14.6	18.1	18.4	19.2	20.0	6.9	10.7	10.0
State	7.2	13.1	22.2	38.7	44.4	47.6	51.1	56.4	63.8	68.8	76.3	29.1	31.5	38.2
Local	9.7	15.1	22.6	33.2	34.8	37.1	39.1	40.1	43.2	48.8	50.8	39.3	32.1	25.3
All other	6.1	12.0	18.1	27.1	29.8	32.0	35.6	38.5	44.2	46.7	52.9	24.7	25.7	26.5
Public	19.7	35.3	58.8	91.3	100.0	107.6	114.6	123.6	137.0	147.8	161.2	79.8	80.7	80.7
Federal	1.2	3.6	5.8	9.8	10.3	11.7	11.7	12.9	14.6	15.4	15.5	4.8	8.2	7.8
State	7.2	13.0	22.1	38.4	44.1	47.2	50.8	55.1	63.4	68.5	75.8	29.1	31.4	37.9
Local	9.7	15.1	22.5	33.1	34.5	37.0	39.0	40.0	43.0	48.5	50.5	39.3	32.0	25.3
All other	1.6	3.6	8.4	10.0	11.1	11.7	13.2	14.4	15.9	17.0	19.4	6.5	9.1	9.7
Private	5.0	9.9	13.6	19.8	21.8	23.4	25.7	28.7	32.7	33.7	38.6	20.2	19.3	19.3
Federal	.5	1.4	1.7	2.3	2.5	2.7	2.9	3.2	3.8	3.8	4.5	2.0	2.4	2.3
State and local	(Z)	1	.2	.4	.4	.4	.4	.4	.5	.4	.6	(Z)	.2	.3
All other	4.5	8.4	11.7	17.1	18.7	20.3	22.4	25.1	28.3	29.5	33.5	18.2	16.8	16.8
Elementary and secondary ¹	18.0	30.0	45.7	72.2	78.9	85.5	90.8	94.0	104.8	116.3	128.7	100.0	100.0	100.0
Federal	.7	2.1	3.4	6.0	6.3	7.4	7.7	8.5	9.5	10.1	9.7	3.9	7.4	7.7
State	5.8	9.8	15.8	27.2	31.6	34.0	38.0	39.8	45.1	48.5	53.8	31.1	34.6	42.3
Local	9.5	14.7	21.7	31.7	32.9	35.3	37.3	36.5	41.5	44.8	48.8	52.9	47.5	38.5
Public	15.9	26.5	41.0	65.0	70.9	76.8	81.2	87.1	98.4	103.5	112.4	88.3	89.7	88.7
Federal	.7	2.1	3.4	6.0	6.3	7.4	7.7	8.5	9.5	10.1	9.7	3.9	7.4	7.7
State	5.6	9.6	15.8	27.2	31.6	34.0	38.0	39.8	45.1	48.5	53.8	31.1	34.6	42.3
Local	9.5	14.7	21.7	31.7	32.9	35.3	37.3	36.5	41.5	44.8	48.8	52.8	47.5	38.5
All other	.1	1	1	1	1	1	.2	.3	.3	.3	.3	.6	.2	.2
Private	2.1	3.5	4.7	7.2	6.0	8.7	9.6	10.9	12.2	12.8	14.3	11.7	10.3	11.3
Institutions of higher education	6.7	15.2	24.7	38.9	42.7	45.5	49.5	54.2	61.1	65.0	73.1	100.0	100.0	100.0
Federal	1.0	2.9	4.1	6.1	6.5	7.0	8.8	7.6	8.9	9.1	10.3	14.9	16.6	14.1
State	1.6	3.5	6.4	11.5	12.8	13.6	16.1	16.6	18.7	20.3	22.7	23.9	25.9	31.1
Local	.2	.4	.9	1.5	1.7	1.8	1.8	1.6	1.7	2.0	1.8	3.0	3.6	2.5
All other	3.9	8.4	13.3	19.8	21.7	23.2	25.8	28.3	31.7	33.6	38.3	58.2	53.8	52.4
Public	3.8	8.8	15.8	26.3	29.1	30.8	33.4	38.4	40.8	43.9	48.8	58.7	64.0	66.8
Federal	.5	1.5	2.4	3.8	4.0	4.3	4.0	4.4	5.1	5.3	5.8	7.5	9.7	7.9
State	1.6	3.4	6.3	11.2	12.5	13.2	14.8	16.3	18.3	20.0	22.2	23.9	25.5	30.4
Local	.2	.4	.8	1.4	1.6	1.7	1.7	1.5	1.5	1.8	1.7	3.0	3.2	2.3
All other	1.5	3.5	6.3	9.9	11.0	11.6	13.0	14.1	15.6	16.7	19.1	22.4	25.5	28.1
Private	2.8	6.4	8.9	12.6	13.6	14.7	16.1	17.8	20.5	21.1	24.3	43.3	38.0	38.2
Federal	.5	1.4	1.7	2.3	2.5	2.7	2.9	3.2	3.8	3.8	4.5	7.5	6.9	6.2
State and local	(Z)	.1	.2	.4	.4	.4	.4	.4	.5	.4	.6	(Z)	.8	.8
All other	2.4	4.9	7.0	9.9	10.7	11.6	12.6	14.2	16.1	16.9	19.2	35.8	29.3	28.3

Z Less than \$50 million or less than .05 percent. ¹ Includes, in addition to regular schools, "other" schools such as residential schools for exceptional children, Federal schools for Indians, and federally operated schools on military posts; includes items not shown separately.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 215. FEDERAL OUTLAYS FOR EDUCATION AND RELATED ACTIVITIES: 1960 TO 1981

[In millions of dollars. For years ending June 30 except, beginning 1977, ending Sept. 30. See headnote, table 216]

YEAR	OUTLAYS SUPPORTING EDUCATION IN EDUCATIONAL INSTITUTIONS						Other outlays for education and related activities
	Total	Grants				Loans, higher education	
		Total	Elementary, secondary	Higher education	Vocational technical		
1960	1,734	1,483	480	830	173	240	2,267
1966	5,844	5,232	2,037	2,272	923	612	3,820
1970	9,236	8,728	3,208	3,911	1,611	508	3,389
1972	11,782	11,433	3,840	5,172	2,421	349	4,338
1973	12,009	12,343	4,033	5,965	2,344	346	4,706
1974	13,082	12,729	4,130	6,084	2,535	352	4,847
1975	17,804	17,124	4,884	7,982	4,248	480	6,869
1976	19,563	18,157	4,679	8,675	4,803	396	6,137
1977	18,780	18,459	4,965	8,869	4,594	322	7,598
1978	21,596	20,795	5,707	9,385	5,703	802	7,442
1979	24,383	22,995	6,714	9,958	6,258	1,386	8,360
1980, est.	28,753	24,952	7,355	9,804	7,692	1,802	9,230
1981, est.	29,771	25,275	7,737	9,828	7,710	1,496	9,264

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 216. FEDERAL OUTLAYS FOR EDUCATION AND RELATED ACTIVITIES: 1970 TO 1981

[In millions of dollars, except as indicated. For years ending June 30 except, beginning 1977, ending September 30. Includes Puerto Rico and outlying areas. Minus sign (—) denotes repayments exceeding new loans for data on loans, and decrease for percent change. For explanation of average annual percent change, see Guide to Tabular Presentation]

TYPE OF SUPPORT, LEVEL, AND PROGRAM AREA	1970	1975	1978	1977	1978	1970	1980, est.	1981, est.
Federal outlays supporting education in educational institutions, total	9,236	17,604	19,553	18,780	21,586	24,383	26,753	26,771
Average annual percent change ¹	8.4	13.8	11.1	-3.9	15.0	12.9	9.7	.1
Grants	9,728	17,124	19,157	18,459	20,795	22,995	24,952	25,275
Elementary-secondary education ²	3,206	4,884	4,679	4,965	5,707	6,714	7,355	7,737
School assistance—Fed. affected areas.....	658	619	599	765	766	912	821	554
Assistance for educationally deprived ³	1,208	2,765	2,647	2,856	3,406	4,063	4,677	5,187
Economic opportunity ⁴	534							
Supporting services ⁵	296	361	336	377	396	403	395	393
Teacher Corps.....	18	39	24	3	8	14	14	15
Vocational education.....	181	351	388	309	297	358	460	461
Dependents' schools abroad.....	137	235	236	280	297	350	356	421
Public lands revenue for schools.....	82	149	131	93	256	270	322	373
Assistance in special areas ⁶	79	136	118	84	79	50	49	54
Emergency school assistance.....	—	197	172	181	169	238	212	227
Higher education	3,911	7,992	9,675	8,899	9,385	9,322	9,904	9,828
Basic research in U.S. educational institutions proper ⁷	984	1,271	1,421	1,638	2,111	2,459	2,733	3,002
Research facilities ⁷	225	168	225	312	431	456	481	401
Training grants, fellowships, traineeships.....	896	1,082	1,037	965	1,126	974	1,076	1,004
Facilities and equipment.....	513	336	296	329	169	100	102	66
Other institutional support.....	178	428	488	458	474	541	587	585
Other student assistance.....	1,102	4,708	6,209	5,177	5,075	4,791	4,926	4,750
Vocational-technical and continuing	1,611	4,246	4,803	4,594	5,703	6,958	7,692	7,710
Vocational, technical and work training ⁸	1,269	3,037	3,405	3,575	4,984	6,356	7,200	7,230
Veterans education.....	251	1,013	1,125	779	496	393	331	265
General continuing education ⁹	66	152	206	190	187	158	117	172
Training of Federal, State, and local government personnel.....	25	47	65	51	54	52	45	43
Loans, higher education	506	480	396	322	802	1,388	1,802	1,496
Student loan program, NDEA ¹⁰	197	449	420	378	748	1,371	1,766	1,475
College facilities loans ¹¹	311	31	-24	-57	55	17	35	21
Other Federal outlays for education and related activities, total	3,441	5,908	6,169	7,815	7,485	8,461	9,304	9,349
Average annual percent change ¹	-1.0	12.0	4.6	23.3	-1.7	12.7	10.0	.4
Applied research and development ⁷	1,240	2,067	2,166	2,575	2,614	2,940	3,097	3,289
School lunch and milk programs.....	676	1,832	1,890	2,792	2,685	3,064	3,521	3,289
Training of Federal military personnel.....	676	996	975	1,037	1,033	1,192	1,279	1,300
Professional training, military.....	492	727	694	754	739	(NA)	(NA)	(NA)
U.S. military academies.....	184	270	282	282	294	(NA)	(NA)	(NA)
Library services.....	170	287	304	306	333	359	469	474
International Development Assistance.....	111	45	33	48	44	71	73	85
Other ²	567	681	801	858	797	836	863	912
Agricultural extension service.....	125	219	219	239	240	262	250	264
Educational television facilities ¹²	19	65	79	110	129	125	155	168
Surplus personal property transferred ¹³	246	216	295	262	197	216	184	203
Surplus real property transferred ¹⁴	12	37	22	29	13	6	14	(NA)

— Represents zero. NA Not available. ¹For 1970, change from 1968; for 1975, change from 1970. ²Includes other outlays not shown separately. ³Comprises Elementary and Secondary Education Act Title I, handicapped children, dropout prevention, bilingual education, Kendall School for the Deaf, and Model School for the Deaf. ⁴Comprises Office of Economic Opportunity, Indian education, Appalachian Regional Development, Department of Labor, and Head Start preschool.

⁵Comprises supplemental centers school library materials, strengthening of State education agencies, captioned films for the deaf, dissemination of information, school counseling and testing, American Printing House for the Blind, planning and evaluation, and equipment and minor remodeling.

⁶Comprises funds for District of Columbia, Canal Zone (beginning 1980 excludes Canal Zone), territories and dependencies, Cuban refugees, and payments in lieu of taxes other than P.L. 81-874 and P.L. 81-815 for federally affected areas.

⁷Data from U.S. National Science Foundation, *Federal Funds for Research, Development, and Other Scientific Activities*. Higher education data include university operated research and development centers.

⁸Comprises adult vocational education and manpower training programs.

⁹Comprises Office of Education, ACTION (previously Peace Corps), Social and Rehabilitation Service, Dept. of Housing and Urban Development, Office of Economic Development, and additional programs for continuing education. ¹⁰Comprises National Defense Education Act and insured student loans.

¹¹Comprises net amounts (loans minus loan repayments) for Dept. of Housing and Urban Development college housing loans, Office of Education college facilities loans, and Federal loans to the District of Columbia for school construction.

¹²Includes education broadcasting facilities. ¹³Acquisition cost. ¹⁴Fair value.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 217. ENROLLMENT IN PUBLIC AND PRIVATE SCHOOLS, BY LEVEL, 1965 TO 1979, AND PROJECTIONS, 1980 TO 1991

(In thousands. As of fall. Data are for regular day schools and exclude independent nursery schools and kindergartens, residential schools for exceptional children, subcollegiate departments of colleges, Federal schools for Indians, and federally operated schools on Federal installations. College data include degree-credit and nondegree-credit enrollment)

ITEM	1965	1970	1975	1978	1979	1980	1981	1987	1988	1989
Total	54,284	59,853	60,976	58,996	58,248	58,192	58,340	57,097	57,496	58,044
Public	46,143	52,337	53,626	51,395	50,818	50,452	48,778	49,380	49,749	50,241
Private ¹	8,251	7,516	7,350	7,560	7,633	7,740	7,562	7,717	7,707	7,803
Kindergarten through 8	35,463	36,629	34,187	32,080	31,585	31,378	30,551	31,787	32,522	33,347
Public	30,563	32,577	30,487	28,328	27,885	27,878	26,951	27,987	28,722	29,447
Private ²	4,900	4,052	3,700	3,752	3,700	3,700	3,600	3,800	3,800	3,900
Grades 9 through 12	13,010	14,843	15,804	15,576	15,094	14,717	13,815	13,217	12,838	12,588
Public	11,810	13,332	14,304	14,223	13,694	13,317	12,215	11,817	11,436	11,158
Private ²	1,400	1,311	1,300	1,353	1,400	1,400	1,400	1,400	1,400	1,400
College	5,921	8,581	11,185	11,259	11,570	12,097	12,174	12,093	12,098	12,139
Public	3,970	6,428	8,835	8,784	9,037	9,457	9,612	9,576	9,591	9,636
Private	1,951	2,153	2,350	2,475	2,533	2,640	2,562	2,517	2,507	2,503

¹Data for 1970 and later years have been revised since originally published.

Source: U.S. National Center for Education Statistics, *Projections of Education Statistics to 1990-1991*.

NO. 218. ENROLLMENT IN PUBLIC AND PRIVATE SCHOOLS: 1960 TO 1981

(In millions, except percent. See headnote, table 219)

YEAR	PUBLIC						PRIVATE					
	Total	Nurs- ery	Kind- ergarten	Ele- mentary	High school	Col- lege	Total	Nurs- ery	Kind- ergarten	Ele- mentary	High school	Col- lege
1960	36.0	(NA)	27.5		9.2	2.3	7.2	(NA)	4.9		1.0	1.3
1965	45.5	.1	2.4	27.6	11.5	3.8	9.2	.4	.6	4.9	1.5	1.8
1970	52.2	.3	2.6	30.0	13.5	5.7	8.1	.8	.5	3.8	1.2	1.7
1975	52.8	.6	2.9	27.2	14.5	7.7	8.2	1.2	.5	3.3	1.2	2.0
1978	50.0	.6	2.5	25.3	14.2	7.4	8.6	1.2	.5	3.2	1.2	2.4
1979	49.7	.6	2.6	24.8	14.0	7.7	8.2	1.2	.4	3.1	1.1	2.3
1980	49.2	.6	2.7	24.4	(NA)	9.2	9.2	1.4	.5	3.1	(NA)	
1981 ¹	49.4	.7	2.6	24.1	13.2	7.9	8.5	1.4	.5	3.0	1.1	2.5
1981 ²	49.7	.6	2.6	24.8	13.5	8.2	8.7	1.4	.6	3.0	1.1	2.6
Percent White:												
1960	65.7	(NA)	64.3		66.2	92.2	95.7	(NA)	65.3		68.7	66.3
1965	65.0	73.2	65.5	63.3	66.5	92.9	95.5	91.1	60.9	66.4	65.7	66.9
1970	64.5	59.5	64.4	63.1	65.6	90.7	93.4	91.1	60.2	64.1	66.1	62.6
1975	63.2	68.3	62.9	62.3	63.5	87.3	91.6	68.6	60.1	63.3	64.2	60.9
1978	62.3	67.3	70.8	61.5	62.5	86.7	89.7	90.0	65.2	60.6	62.1	60.3
1979	62.0	66.2	60.7	60.9	(NA)	89.0	89.0	89.0	67.0	60.7	(NA)	
1981 ¹	60.8	67.1	61.1	60.5	61.9	85.4	90.0	68.8	65.6	60.4	62.1	60.9
1981 ²	61.3	67.4	61.4	60.5	61.6	84.6	89.1	68.7	65.7	60.2	61.1	61.6

NA Not available. ¹Population controls based on the 1970 census; see text, pp. 1-4. ²Population controls based on the 1980 census; see text, pp. 1-4.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 362, and earlier reports; and unpublished data.

NO. 219. SCHOOL ENROLLMENT, BY SEX AND BY LEVEL: 1960 TO 1981

(In millions. As of Oct. For 1960, covers civilian noninstitutional population 5 to 34 years old; thereafter, 3 to 34 years old. Elementary includes kindergarten and grades 1-8; high school, grades 9-12; and college, 2-year and 4-year colleges, universities, and graduate and professional schools. Data for college represent degree-credit enrollment)

YEAR	ALL LEVELS ¹			ELEMENTARY			HIGH SCHOOL			COLLEGE		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1960	46.3	24.2	22.0	32.4	16.7	15.7	10.2	5.2	5.1	3.6	2.3	1.2
1965	54.7	28.5	26.2	36.5	18.2	17.3	13.0	6.6	6.5	5.7	3.5	2.2
1970	60.4	31.4	28.9	37.1	19.0	18.1	14.7	7.4	7.3	7.4	4.4	3.0
1974	60.3	31.2	29.1	34.4	17.6	16.8	15.4	7.8	7.6	6.8	4.9	3.9
1975	61.0	31.6	29.4	33.8	17.3	16.5	15.7	8.0	7.7	9.7	5.3	4.4
1976	60.5	31.2	29.3	33.3	17.0	16.2	15.7	8.1	7.7	10.0	5.3	4.7
1977	60.0	30.8	29.2	32.4	16.6	15.8	15.8	8.0	7.8	10.2	5.4	4.8
1978	59.6	30.1	29.5	31.5	16.1	15.3	15.5	7.8	7.6	9.8	5.1	4.7
1979	57.9	29.5	28.3	30.9	16.9	15.0	15.1	7.7	7.4	10.0	6.0	5.0
1980	57.3	29.2	28.2	30.6	15.8	14.8	14.6	7.3	7.2	10.2	5.0	5.2
1981 ²	56.9	29.0	27.9	30.1	15.5	14.7	14.3	7.3	7.1	10.4	5.2	5.2
1981 ³	58.4	29.6	28.8	31.0	15.9	15.0	14.6	7.4	7.2	10.7	5.4	5.4

¹Beginning 1965, includes nursery schools, not shown separately. ²Population controls based on the 1970 census; see text, p. 2. ³Population controls based on the 1980 census; see text, p. 2.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 362, and earlier reports; and unpublished data.

**No. 220. SCHOOL ENROLLMENT—ELEMENTARY, SECONDARY, AND HIGHER EDUCATION, BY STATES
AND OTHER AREAS, 1975 AND 1980**

(In thousands. As of fall of year. Public elementary refers to prekindergarten through grade 8, secondary, to grades 9-12 and postgraduates; includes unclassified. Data for nonpublic elementary and secondary schools not revised; for revised U.S. totals, see table 217; for revised data on public schools, see table 233. See also Appendix III)

STATE OR OTHER AREA	ELEMENTARY ¹				SECONDARY ¹				HIGHER EDUCATION ⁴			
	Public		Private ^{2,3}		Public		Private ⁴		Public		Private	
	1975	1980	1975	1980	1975	1980	1975	1980	1975	1980	1975	1980
United States	30,467	27,865	3,400	2,925	14,304	13,319	1,200	1,080	5,835	5,457	2,350	2,840
New England	1,749	1,468	239	168	807	721	128	108	372	361	336	376
Maine	172	153	10	8	79	70	8	8	31	32	9	11
New Hampshire	120	112	17	9	54	55	8	8	24	24	17	23
Vermont	73	68	8	3	31	29	6	4	17	18	12	13
Massachusetts	819	676	121	75	365	346	59	48	174	184	211	235
Rhode Island	121	95	24	18	55	53	9	8	32	35	32	32
Connecticut	450	384	61	45	203	186	37	34	84	86	55	62
Middle Atlantic	4,758	3,888	1,007	777	2,352	2,137	348	288	1,128	1,102	643	719
New York	2,279	1,838	497	372	1,127	1,033	173	118	614	583	391	429
New Jersey	898	820	180	150	460	426	55	57	220	247	69	75
Pennsylvania	1,481	1,231	330	255	765	678	120	83	287	292	183	215
East North Central	5,914	5,108	898	748	2,858	2,582	293	232	1,588	1,751	383	418
Ohio	1,535	1,312	212	181	757	645	75	63	337	382	99	107
Indiana	796	708	75	63	376	347	21	17	159	189	54	56
Illinois	1,539	1,335	300	249	731	649	98	83	444	491	140	153
Michigan	1,419	1,225	174	127	654	636	65	44	437	454	80	86
Wisconsin	625	528	136	128	339	303	34	25	211	235	30	34
West North Central	2,816	2,034	278	243	1,188	1,040	78	70	611	678	178	197
Minnesota	573	482	83	59	307	272	22	15	149	182	36	44
Iowa	408	351	48	38	204	183	18	13	84	97	38	43
Missouri	646	567	82	87	319	277	11	28	159	185	65	69
North Dakota	84	77	8	7	48	40	3	2	28	32	2	2
South Dakota	100	85	8	8	51	44	3	2	22	24	8	8
Nebraska	210	189	26	24	105	91	12	11	61	74	13	16
Kansas	284	283	24	22	154	133	8	7	108	122	13	15
South Atlantic	4,900	4,580	281	254	2,201	2,080	114	85	1,242	1,385	308	358
Delaware	84	57	12	11	43	42	5	5	27	28	5	5
Maryland	607	493	77	59	274	258	28	24	177	195	29	30
District of Columbia	94	71	12	10	36	29	9	5	15	14	69	73
Virginia	759	703	40	33	344	307	20	10	215	247	29	34
West Virginia	283	270	7	6	121	113	4	2	88	71	11	11
North Carolina	818	788	20	14	367	343	5	3	201	228	50	59
South Carolina	443	428	22	12	186	183	5	2	108	108	25	25
Georgia	751	742	19	20	340	327	10	7	143	140	31	44
Florida	1,081	1,042	72	69	480	468	29	27	288	334	57	78
East South Central	1,977	1,824	185	87	883	836	83	38	481	507	91	108
Kentucky	475	464	41	43	217	206	15	15	105	115	20	28
Tennessee	626	602	20	23	251	252	11	12	140	157	42	48
Alabama	520	528	37	20	238	231	12	4	146	144	19	21
Mississippi	356	330	37	11	156	147	24	5	80	91	10	12
West South Central	3,309	3,302	184	203	1,401	1,402	86	52	854	854	134	148
Arkansas	317	310	8	8	138	138	3	2	58	66	9	12
Louisiana	592	544	94	82	255	234	33	28	132	137	21	23
Oklahoma	408	399	8	8	186	179	3	2	124	137	22	23
Texas	1,992	2,049	84	95	821	851	26	20	542	614	82	88
Mountain	1,532	1,568	71	89	708	683	25	20	517	581	84	76
Montana	115	106	7	5	57	50	3	1	28	31	3	4
Idaho	133	144	4	3	63	59	2	1	31	34	8	9
Wyoming	69	70	2	2	29	28	(2)	(2)	18	21	-	(2)
Colorado	384	374	24	19	185	172	8	5	136	146	13	17
New Mexico	183	186	9	10	91	85	3	3	48	55	4	3
Arizona	360	367	20	24	143	157	7	7	169	194	5	9
Utah	212	250	3	2	97	93	1	2	57	80	31	34
Nevada	96	101	2	4	44	49	1	1	30	40	(2)	(2)
Pacific	4,038	3,785	298	379	1,819	1,825	88	118	2,087	2,088	214	241
Washington	530	615	30	29	255	242	12	9	203	278	25	28
Oregon	321	319	17	15	158	145	8	6	130	140	15	17
California	2,993	2,781	237	316	1,427	1,357	66	97	1,618	1,600	170	191
Alaska	66	80	(2)	2	25	26	(2)	(2)	13	21	1	1
Hawaii	121	110	14	17	58	55	6	6	43	43	3	4
Other areas	553	597	46	(NA)	248	211	19	(NA)	82	61	44	77
Puerto Rico	487	522	38	(NA)	230	191	18	(NA)	53	54	44	77
Virgin Islands	20	20	3	(NA)	5	5	1	(NA)	2	2	-	-

- Represents zero. NA Not available. Z Fewer than 500. ¹Excludes data for private residential schools for exceptional children and subcollegiate departments of higher education. ²Elementary includes middle schools. ³Excludes combined elementary and secondary schools and other schools. (1,103,704 students in fall 1980). ⁴See footnote, table 264.

⁵Includes U.S. military academies not shown separately. ⁶Estimated. ⁷1975 elementary and secondary includes American Samoa, Canal Zone, and Guam; other data include American Samoa, Canal Zone (except for 1980), Guam, and Trust Territories of the Pacific Island.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual; *Statistics of State School Systems 1975-76*; and unpublished data.

No. 221. SCHOOL ENROLLMENT AND RATE, BY AGE, SEX AND RACE: 1960 TO 1981

[In thousands, except rate. As of October. Covers persons 3 to 34 years old enrolled in nursery school and above. Data related to civilian noninstitutional population and are based on Current Population Survey, see text p. 1. See *Historical Statistics, Colonial Times to 1970*, series H 442-476 for enrollment 5-34 years old.]

YEAR AND AGE	TOTAL ENROLLED					RATE				
	Total	Male	Female	White	Black	Total	Male	Female	White	Black
1960, total ¹	46,269	24,234	22,028	40,348	5,910	88.4	80.0	82.8	88.4	55.9
3 and 4 years..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
5 and 6 years..	5,438	3,282	3,148	5,574	884	80.7	80.8	80.8	82.0	73.3
7 to 13 years..	25,821	13,074	12,547	22,149	3,472	99.5	99.5	99.6	99.6	99.1
14 and 15 years..	5,841	2,878	2,763	4,839	701	97.8	97.9	97.6	98.1	95.9
16 and 17 years..	4,801	2,370	2,231	4,088	512	82.6	84.5	80.8	83.3	76.9
18 and 19 years..	1,817	1,063	754	1,808	210	38.4	47.8	30.0	38.9	34.8
20 and 21 years..	817	517	300	750	87	19.4	27.1	13.1	20.6	11.9
22 to 24 years..	533	419	114	496	35	8.7	15.0	3.4	9.3	4.4
25 to 29 years..	514	415	89	478	36	4.9	8.4	1.8	5.2	2.9
30 to 34 years..	278	208	72	264	13	2.4	3.7	1.2	2.8	1.0
1965, total ²	54,888	28,519	26,180	47,480	8,675	88.5	88.8	82.3	88.5	58.8
3 and 4 years..	886	438	448	731	155	10.6	10.2	10.9	10.3	11.8
5 and 6 years..	7,039	3,577	3,462	6,054	900	84.4	84.4	84.4	85.3	79.1
7 to 13 years..	27,450	13,932	13,518	23,582	3,618	99.4	99.3	99.4	99.4	99.1
14 and 15 years..	6,980	3,546	3,434	6,034	883	96.8	99.0	98.7	99.0	98.1
16 and 17 years..	6,053	3,067	2,986	5,293	579	87.4	88.0	86.9	87.8	83.9
18 and 19 years..	2,930	1,689	1,241	2,628	287	46.3	55.6	37.7	47.1	39.6
20 and 21 years..	1,378	839	539	1,280	74	27.8	37.6	19.5	29.4	12.8
22 to 24 years..	982	720	282	926	49	13.2	21.1	6.5	14.1	6.2
25 to 29 years..	858	483	175	619	24	8.1	9.4	3.1	8.5	2.1
30 to 34 years..	343	228	115	303	26	3.2	4.5	2.1	3.2	2.4
1970, total	60,357	31,413	28,944	51,719	7,829	88.4	88.7	83.3	88.2	57.4
3 and 4 years..	1,481	771	681	1,181	250	20.5	21.2	19.8	19.9	22.7
5 and 6 years..	7,000	3,545	3,455	5,899	999	80.5	85.9	90.2	90.3	84.9
7 to 13 years..	28,943	14,688	14,255	24,584	3,998	99.2	99.0	99.4	99.2	98.3
14 and 15 years..	7,869	3,992	3,877	6,781	1,025	98.1	98.2	98.1	98.2	97.8
16 and 17 years..	6,827	3,539	3,388	6,008	837	90.0	91.3	88.8	90.6	85.7
18 and 19 years..	3,322	1,821	1,501	2,924	352	47.7	54.4	41.6	48.7	40.1
20 and 21 years..	1,949	1,131	818	1,780	174	31.9	42.7	23.6	33.1	22.8
22 to 24 years..	1,410	931	478	1,306	84	14.9	21.2	9.4	15.7	8.0
25 to 29 years..	1,011	713	298	910	88	7.5	11.0	4.3	7.7	4.8
30 to 34 years..	466	283	182	416	41	4.2	5.3	3.1	4.2	3.4
1975, total	60,988	31,555	29,414	51,490	8,408	83.7	86.0	81.5	83.1	57.7
3 and 4 years..	2,101	1,052	1,049	1,687	344	31.5	30.9	32.1	30.8	34.2
5 and 6 years..	6,590	3,346	3,244	5,494	972	94.7	94.4	95.1	94.8	94.5
7 to 13 years..	28,104	13,267	12,837	21,892	3,759	99.3	99.0	99.6	99.3	99.2
14 and 15 years..	8,300	4,231	4,070	7,023	1,151	98.2	98.4	98.0	98.3	97.4
16 and 17 years..	7,396	3,811	3,587	6,289	987	89.0	90.7	87.2	89.3	86.8
18 and 19 years..	3,765	1,940	1,825	3,185	485	48.9	49.9	44.2	46.5	47.1
20 and 21 years..	2,393	1,304	1,089	2,097	282	31.2	35.3	27.4	31.8	27.1
22 to 24 years..	1,728	1,030	697	1,506	173	18.2	20.0	12.6	18.8	14.2
25 to 29 years..	1,879	1,061	818	1,459	163	10.1	13.1	7.2	10.0	9.4
30 to 34 years..	910	512	398	788	103	8.6	7.7	5.6	8.6	7.1
1980, total	57,348	29,155	28,192	47,673	8,251	48.7	50.9	48.5	48.9	53.9
3 and 4 years..	2,280	1,202	1,078	1,844	371	38.7	37.8	35.5	36.3	38.2
5 and 6 years..	5,853	2,971	2,882	4,781	904	95.7	95.0	96.4	95.8	95.4
7 to 13 years..	23,751	12,110	11,641	19,585	3,588	99.3	99.2	99.3	99.2	98.4
14 and 15 years..	7,282	3,701	3,580	6,038	1,088	98.2	98.7	97.7	98.3	97.9
16 and 17 years..	7,129	3,820	3,509	5,937	1,047	89.0	89.1	88.8	88.6	90.6
18 and 19 years..	3,788	1,879	1,910	3,199	494	46.4	47.0	45.8	48.3	46.7
20 and 21 years..	2,516	1,280	1,235	2,306	242	31.0	32.6	29.5	31.9	23.4
22 to 24 years..	1,931	1,019	912	1,889	196	16.3	17.8	14.9	18.4	13.6
25 to 29 years..	1,714	880	833	1,473	187	9.3	9.8	8.8	9.2	8.8
30 to 34 years..	1,105	492	613	942	124	8.4	5.9	7.0	8.3	6.8
1981, total ³	58,939	29,903	27,996	47,098	8,282	48.1	50.4	47.9	48.3	53.4
1981, total ⁴	58,380	29,793	28,597	46,199	8,390	48.9	50.3	47.7	48.2	53.5
3 and 4 years..	2,332	1,217	1,115	1,881	357	38.0	36.8	35.2	36.6	38.7
5 and 6 years..	5,955	3,051	2,904	4,859	904	94.0	94.2	93.8	93.9	94.5
7 to 13 years..	24,025	12,253	11,771	19,723	3,588	99.2	99.1	99.4	99.3	99.1
14 and 15 years..	7,141	3,844	3,498	5,906	1,041	98.0	98.2	97.7	98.1	97.1
16 and 17 years..	7,232	3,865	3,567	5,990	1,064	90.8	90.7	90.5	90.4	91.3
18 and 19 years..	3,978	2,019	1,958	3,295	544	49.0	50.5	47.5	48.5	48.2
20 and 21 years..	2,643	1,301	1,343	2,306	257	31.6	32.1	31.2	32.6	23.4
22 to 24 years..	2,057	1,166	891	1,720	228	16.5	19.2	13.9	16.2	14.7
25 to 29 years..	1,774	926	848	1,432	236	9.0	9.8	8.4	8.5	9.9
30 to 34 years..	1,254	553	702	1,086	143	8.9	6.2	7.5	8.7	7.2

¹Black includes other races. ²Except as noted, data are for Black only. ³Population controls based on the 1970 census; see text, p. 2. ⁴Population controls based on the 1980 census; see text, pp. 1-4.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 362 and earlier reports; and unpublished data.

NO. 222. SCHOOL ENROLLMENT, BY STATE: 1980

In thousands. As of April 1. For persons 3 years old and over enrolled in school. Elementary includes kindergarten and grades 1 through 8; high school, grades 9 through 12. Provisional data based on the Early National Sample from the 1980 census; see Appendix III.

DIVISION AND STATE	Population	NURSERY SCHOOL			ELEMENTARY SCHOOL			HIGH SCHOOL			College
		Total	Public	Private	Total	Public	Private	Total	Public	Private	
U.S.	22,134	2,406	861	1,544	32,021	28,304	3,716	15,166	13,840	1,326	12,542
N.E.	3,461	190	43	87	1,682	1,483	199	856	759	96	813
Maine	302	10	4	6	184	155	10	78	75	4	49
N.H.	255	10	3	7	132	119	13	60	55	4	53
Vt.	145	5	2	3	74	69	5	36	33	3	31
Mass.	1,655	57	18	39	763	676	87	393	348	45	441
R.I.	256	8	3	5	124	103	21	62	54	8	62
Conn.	869	39	13	26	425	372	53	227	195	33	177
M.A.	9,892	379	129	255	4,976	4,107	869	2,582	2,258	324	1,866
N.Y.	4,850	178	59	120	2,382	1,977	405	1,266	1,112	154	1,022
N.J.	2,030	92	29	63	1,023	863	159	517	455	61	399
Pa.	3,012	108	36	72	1,571	1,268	304	799	690	109	533
E.N.C.	11,582	456	185	271	6,070	5,289	881	2,890	2,621	269	2,186
Ohio	2,956	121	43	78	1,585	1,364	221	739	680	79	531
Ind.	1,503	54	18	36	811	725	86	346	324	23	292
Ill.	3,131	126	50	76	1,616	1,357	259	782	692	89	606
Mich.	2,701	109	56	53	1,399	1,272	126	675	628	46	518
Wis.	1,291	44	18	26	680	562	128	348	318	31	219
W.N.C.	4,548	184	69	115	2,352	2,077	275	1,167	1,056	100	666
Minn.	1,119	43	15	27	571	494	76	294	269	24	211
Iowa	773	36	15	21	402	359	43	200	185	15	135
Mo.	1,282	53	17	35	674	581	94	323	287	36	232
N. Dak.	174	4	2	2	89	81	8	45	42	3	36
S. Dak.	161	5	2	3	95	89	6	46	45	2	34
Nebr.	424	17	8	10	214	189	26	108	96	12	86
Kans.	596	25	9	15	309	265	24	140	132	9	122
S.A.	9,824	373	124	250	5,239	4,732	507	2,441	2,263	178	1,871
Del.	189	7	2	5	84	69	15	43	37	6	34
Md.	1,199	46	15	31	597	522	75	309	272	38	246
D.C.	183	7	4	3	77	65	13	38	32	6	60
Va.	1,482	52	15	37	781	721	60	377	357	20	272
W. Va.	497	10	5	5	288	275	11	119	113	6	82
N.C.	1,607	59	19	41	869	817	52	391	376	16	297
S.C.	896	27	10	17	481	442	49	222	208	13	156
Ga.	1,406	59	23	37	839	759	80	361	336	25	239
Fla.	2,394	105	30	74	1,215	1,084	132	580	532	48	494
E.S.C.	3,890	116	45	71	2,201	1,971	230	960	866	92	693
Ky.	954	24	9	15	532	483	49	223	202	21	175
Tenn.	1,190	39	15	24	662	606	57	293	268	25	195
Ala.	1,090	31	11	20	594	522	72	283	243	20	202
Miss.	726	22	10	12	412	360	52	171	155	16	121
W.S.C.	6,598	248	80	168	3,580	3,287	293	1,529	1,443	86	1,342
Ark.	578	17	5	12	330	312	18	148	141	6	83
La.	1,208	45	16	29	666	548	118	295	245	39	212
Okla.	812	33	14	20	423	404	19	194	185	9	162
Tex.	4,001	153	45	108	2,181	2,022	159	902	872	30	785
Mt.	3,188	122	46	73	1,688	1,589	99	736	705	31	661
Mont.	210	8	3	3	112	106	6	53	51	2	40
Idaho	252	7	2	4	145	139	6	59	58	1	40
Wyo.	120	4	2	2	68	66	2	29	28	(2)	19
Colo.	809	38	15	23	400	373	26	186	178	9	166
N. Mex.	362	11	5	6	197	186	11	91	85	5	53
Ariz.	769	27	11	16	394	368	26	173	165	8	175
Utah	469	20	8	12	247	242	5	97	95	3	104
Nev.	197	9	3	6	105	99	6	49	46	2	34
Pac.	8,990	396	142	255	4,252	3,767	485	2,028	1,866	160	2,288
Wash.	1,113	49	17	32	582	521	41	259	247	12	242
Oreg.	894	27	7	20	355	322	33	154	146	8	155
Calif.	6,772	303	112	191	3,141	2,774	367	1,517	1,391	126	1,811
Alaska	114	5	3	2	62	60	2	28	27	1	19
Hawaii	267	14	4	10	132	110	22	67	55	12	54

2 Less than 500.

Source: U.S. Bureau of the Census, 1980 Census of Population and Housing, Supplementary Report, Series PHC 80-S1-1.

**NO. 223. PREPRIMARY SCHOOL ENROLLMENT OF CHILDREN 3 TO 5 YEARS OLD, BY RACE AND AGE,
AND BY LABOR FORCE STATUS OF MOTHER: 1967 TO 1981**

[As of October. Civilian noninstitutional population. Includes public and nonpublic nursery school and kindergarten programs.
Excludes 5 year olds enrolled in elementary school. Based on Current Population Survey; see text, p. 2.]

RACE, AGE, AND LABOR FORCE STATUS	NUMBER OF CHILDREN (1,000)								PERCENT ENROLLED OF POPULATION		
	1967	1970	1975	1978	1979	1980	1981 ¹	1981 ²	1967	1970	1981 ³
Population, 3-5 years old.....	12,234	10,877	10,183	9,110	9,119	9,284	9,444	9,544	(X)	(X)	(X)
Total enrolled ⁴	3,884	4,184	4,354	4,954	4,954	4,979	4,919	4,835	31.8	37.8	50.8
Nursery.....	711	1,085	1,744	1,822	1,982	1,982	2,023	2,055	5.8	10.1	21.4
Kindergarten.....	3,157	3,098	3,211	2,781	2,972	2,997	2,897	2,881	25.8	27.7	29.8
White.....	3,285	3,414	4,105	3,887	3,786	3,884	3,939	4,035	31.8	37.8	51.1
Black.....	595	585	731	740	738	725	738	725	29.8	34.8	49.7
3 years old.....	273	331	683	759	746	857	885	881	5.8	13.0	27.2
4 years old.....	870	1,003	1,418	1,313	1,383	1,423	1,434	1,442	21.3	27.9	44.9
5 years old.....	2,721	2,817	2,852	2,512	2,525	2,598	2,520	2,804	65.4	69.2	82.1
ALL RACES ⁵											
With mother in labor force ⁶	1,363	1,345	2,188	2,173	2,353	2,480	2,454	2,515	34.2	38.8	55.1
3 and 4 years old.....	488	526	973	1,017	1,159	1,232	1,186	1,204	16.1	23.5	40.2
5 years old.....	887	818	1,195	1,158	1,222	1,229	1,267	1,311	63.5	65.6	84.3
Married, spouse present.....	1,140	1,131	1,733	1,727	1,822	1,978	1,945	1,989	34.1	38.8	55.1
Other marital status.....	213	214	435	446	531	504	509	517	34.5	36.0	54.8
Employed.....	1,249	1,245	1,945	2,000	2,156	2,258	2,208	2,284	34.5	39.3	55.5
Full-time.....	817	770	1,235	1,308	1,415	1,445	1,405	1,444	33.9	38.6	55.5
Part-time.....	432	475	712	691	742	811	804	820	35.7	40.4	55.5
Mother not in labor force.....	2,446	2,684	2,704	2,258	2,195	2,000	2,202	2,254	30.2	37.0	47.3
WHITE.....											
With mother in labor force ⁶	1,063	1,031	1,711	1,685	1,833	1,975	1,945	2,001	34.7	38.1	54.6
3 and 4 years old.....	340	374	740	750	872	857	821	837	17.4	23.1	38.0
5 years old.....	713	657	963	916	961	1,097	1,024	1,064	65.2	69.2	85.2
Married, spouse present.....	832	813	1,449	1,408	1,571	1,671	1,650	1,698	34.7	38.1	55.1
Other marital status.....	120	118	273	258	250	305	295	308	34.6	36.9	51.9
Employed.....	882	859	1,585	1,587	1,705	1,840	1,788	1,837	34.5	39.3	55.2
Full-time.....	613	557	941	958	1,085	1,127	1,077	1,114	33.8	38.2	55.4
Part-time.....	269	402	625	608	636	713	708	723	37.7	41.0	54.9
Mother not in labor force.....	2,188	2,354	2,331	1,945	1,867	1,914	1,862	1,928	30.5	37.4	48.3
BLACK.....											
With mother in labor force ⁶	288	281	372	427	438	438	435	428	32.3	36.8	58.2
3 and 4 years old.....	122	138	181	231	235	244	227	218	20.7	27.3	44.3
5 years old.....	163	143	181	197	212	193	209	208	55.6	55.6	79.8
Married, spouse present.....	188	192	271	243	273	240	226	221	31.3	39.4	52.9
Other marital status.....	83	89	151	164	174	198	209	205	34.7	32.2	60.1
Employed.....	252	256	313	357	367	355	359	352	32.3	37.9	55.9
Full-time.....	194	195	244	269	277	289	285	279	34.4	39.0	55.4
Part-time.....	58	81	89	88	81	87	74	72	28.8	38.8	57.7
Mother not in labor force.....	235	298	330	268	277	285	249	245	28.9	33.9	40.1

X Not applicable. ¹Population controls based on the 1970 census; see text p. 2. ²Population controls based on the 1980 census; see text, p. 2. ³Includes children with mothers whose labor force status is unknown and children with no mother present in household, not shown separately. ⁴Includes races not shown separately. ⁵Includes children with mothers who are unemployed, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 318; and unpublished data.

**NO. 224. PERCENT OF POPULATION WITH LESS THAN 5 YEARS OF SCHOOL AND WITH 4 YEARS OF
HIGH SCHOOL OR MORE, BY AGE, RACE, AND SPANISH ORIGIN: 1970 TO 1981**

[Persons 25 years old and over. As of April 1970 and March 1975, 1980, and 1981]

RACE	LESS THAN 5 YEARS OF SCHOOL							4 YEARS OF HIGH SCHOOL OR MORE						
	1970	1975	1980 ¹	1981				1970	1975	1980 ¹	1981			
				Total	25-34 yr.	35-64 yr.	65 yr. and over				Total	25-34 yr.	35-64 yr.	65 yr. and over
All races ²	6.5	4.2	3.4	3.2	.8	2.7	8.7	52.3	63.5	68.5	68.7	65.8	70.9	41.8
White.....	4.5	3.3	2.6	2.6	.9	2.1	6.5	54.5	64.6	70.5	71.6	66.9	73.4	44.2
Black.....	14.6	12.3	9.2	7.8	1.4	6.3	28.5	31.4	42.5	51.2	52.9	75.9	49.1	17.7
Spanish origin ³	19.5	18.5	15.8	15.8	7.9	18.4	43.4	32.1	37.9	45.5	44.5	58.6	40.4	17.0
Mexican.....	24.6	24.6	20.9	21.0	10.6	22.9	81.9	31.0	38.9	39.3	52.2	34.0	5.6	
Puerto Rican.....	20.8	17.4	15.0	13.1	4.7	18.4	38.0	23.4	29.7	38.3	40.9	54.6	33.0	19.5
Cuban.....	8.2	7.3	5.7	5.3	1.7	4.8	12.6	43.9	51.7	54.0	48.1	68.3	45.1	33.7
Other ⁴	5.8	7.6	6.4	6.8	2.5	5.8	24.8	44.9	58.0	60.2	58.9	69.9	58.4	27.8

¹Population controls based on the 1980 census; see text, p. 2. ²Includes races not shown separately. ³Persons of Spanish origin may be of any race. ⁴Central or South American and other Spanish origin.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vols. I and II, *Current Population Reports*, series P-20, Nos. 207, 280, 295, and unpublished data.

No. 225. YEARS OF SCHOOL COMPLETED, BY AGE AND RACE: 1940 TO 1981

[Through 1969, as of April 1. 1940 based on complete count; 1950, on 20-percent sample; and 1980, on 20-percent sample. Beginning 1970, as of March, based on Current Population Survey; see text, p. 2. Excludes Armed Forces, except members living off post or with families on post. Beginning 1980, excludes inmates of institutions]

AGE AND YEAR	ALL PERSONS					BLACK PERSONS				
	Percent not high school graduates		Percent with 4 years of high school or more		Median school years completed ¹	Percent not high school graduates		Percent with 4 years of high school or more		Median school years completed ¹
	Total	With less than 5 yrs. of school	Total	College, 4 yrs. or more		Total	With less than 5 yrs. of school	Total	College, 4 yrs. or more	
25 years and over:										
1940.....	75.5	13.7	24.5	4.6	8.6	92.7	42.0	7.3	1.3	5.7
1960.....	65.7	11.1	34.3	6.2	9.3	87.1	32.9	12.9	2.1	6.8
1960.....	58.9	8.3	41.1	7.7	10.6	79.9	23.8	20.1	3.1	6.0
1970.....	44.8	5.3	55.2	11.0	12.2	66.3	15.1	33.7	4.5	9.9
1980 ²	31.4	3.4	68.6	17.0	12.5	48.8	9.2	51.2	7.9	12.0
1981.....	30.3	3.3	69.7	17.1	12.5	47.1	7.9	52.9	8.2	12.1
25-29 years:										
1940.....	61.9	5.9	38.1	5.9	10.3	(NA)	27.7	11.6	1.6	7.0
1950.....	49.5	4.7	52.8	7.7	12.0	80.4	16.8	22.2	2.7	8.6
1960.....	39.3	2.8	60.7	11.1	12.3	62.3	7.0	37.7	4.8	9.9
1970.....	24.8	1.1	75.4	16.4	12.6	43.9	2.5	56.2	7.3	12.2
1980 ²	14.6	.8	85.4	22.5	12.9	23.4	.6	76.6	11.5	12.6
1981.....	13.7	.7	86.3	21.3	12.8	22.7	.5	77.3	11.5	12.6

NA Not available. ¹ For definition of median, see Guide to Tabular Presentation. ² Population controls based on the 1980 census; see text, p. 2.

No. 225. YEARS OF SCHOOL COMPLETED, BY SEX, RACE, AND SPANISH ORIGIN: 1980 TO 1981

[Persons 25 years old and over. Persons of Spanish origin may be of any race. For definition of median, see Guide to Tabular Presentation. See headnote, table 225. See also *Historical Statistics, Colonial Times to 1970*, series H 602-617]

YEAR, RACE, AND SEX	Popula- tion (1,000)	PERCENT OF POPULATION COMPLETING—							Median school years completed
		Elementary school			High school		College		
		0-4 years	5-7 years	8 years	1-3 years	4 years	1-3 years	4 years or more	
1980, all races.....	99,438	8.3	13.8	17.5	19.2	24.6	8.8	7.7	10.6
White	89,581	6.7	12.8	18.1	19.3	25.8	9.3	8.1	10.9
Male	43,259	7.4	13.7	18.7	18.9	22.2	9.1	10.3	10.7
Female	46,322	6.0	11.9	17.8	19.6	29.2	9.5	6.0	11.2
Black.....	9,054	23.6	24.2	12.9	19.0	12.9	4.1	3.1	8.0
Male	4,240	28.3	23.9	12.3	17.3	11.3	4.1	2.8	7.7
Female	4,814	19.8	24.5	13.4	20.5	14.3	4.1	3.3	8.8
1970, all races.....	109,310	5.3	9.1	13.4	17.1	34.0	10.2	11.0	12.2
White	96,112	4.2	8.3	13.6	16.5	35.2	10.7	11.6	12.2
Male	46,606	4.5	8.8	13.9	15.6	30.9	11.3	15.0	12.2
Female	51,506	3.9	7.8	13.4	17.3	39.0	10.1	8.6	12.2
Black.....	10,069	15.1	16.7	11.2	23.3	23.4	6.9	4.5	9.9
Male	4,619	18.6	16.0	11.1	21.9	22.2	6.7	4.6	9.8
Female	5,470	12.1	17.3	11.3	24.5	24.4	6.0	4.4	10.2
1960, all races ¹	130,409	3.4	6.0	9.2	13.9	38.8	14.9	17.0	12.5
White	114,763	2.6	5.4	8.3	13.1	37.6	15.1	17.8	12.5
Male	54,389	2.7	5.5	8.3	12.5	33.1	15.8	22.1	12.6
Female	60,374	2.5	5.3	8.4	13.7	41.6	14.5	14.0	12.5
Black.....	12,927	9.2	11.1	7.2	21.3	30.8	12.5	7.9	12.0
Male	5,717	11.4	10.6	7.1	19.9	29.8	13.5	7.7	12.0
Female	7,209	7.4	11.5	7.4	22.4	31.5	11.7	8.1	12.0
Spanish origin.....	5,834	15.8	16.0	8.7	14.9	26.7	10.2	7.7	10.7
Male	2,625	16.5	15.4	8.5	14.8	24.0	11.6	9.2	10.9
Female	3,109	15.3	16.7	8.9	15.0	29.2	8.7	6.2	10.6
1951, all races.....	132,889	3.3	5.8	7.7	13.9	37.6	15.1	17.1	12.5
White	116,647	2.6	5.1	7.9	12.8	38.5	15.3	17.8	12.6
Male	55,213	2.7	5.3	7.7	12.3	34.1	15.7	22.2	12.6
Female	61,435	2.5	5.0	8.1	13.3	42.4	14.9	13.8	12.5
Black.....	13,259	7.9	11.1	6.8	21.4	31.6	13.1	8.2	12.1
Male	5,848	9.3	10.2	7.1	20.1	31.1	13.9	8.2	12.1
Female	7,411	6.8	11.8	6.5	22.4	32.1	12.4	8.2	12.1
Spanish origin.....	6,306	15.6	16.7	8.8	14.4	26.3	10.5	7.7	10.7
Male	2,963	15.2	16.5	9.0	13.9	24.5	11.3	9.7	11.0
Female	3,316	16.1	16.8	8.7	14.9	27.9	9.8	5.9	10.5

¹ Population controls based on the 1980 census; see text p. 2.
Source of tables 225 and 226: U.S. Bureau of the Census, *U.S. Census of Population: 1980*, vol. 1, and *Current Population Reports*, series P-20, No. 207, and unpublished data.

No. 227. YEARS OF SCHOOL COMPLETED, BY STATE: 1980

[In thousands, except percent. As of April 1. For persons 25 years old and over. Provisional data based on the Early National Sample from the 1980 census; see Appendix III.]

REGION AND STATE	Population	YEARS OF SCHOOL COMPLETED					PERCENT OF POPULATION COMPLETING AT LEAST—				
		Elementary	High School		College		Elementary	High School		College	
		(8 years or less)	(1-3 years)	(4 years)	(1-3 years)	(4 or more years)	(8 years or less)	(1-3 years)	(4 years)	(1-3 years)	(4 or more years)
U.S.	132,778	24,370	20,320	45,881	20,800	21,583	100.0	81.5	88.3	31.9	18.9
N.E.	7,438	1,137	1,043	2,872	1,151	1,434	100.0	84.7	70.7	34.8	18.3
Maine	882	112	86	258	109	93	100.0	83.0	68.5	29.5	14.0
N.H.	542	81	71	200	91	100	100.0	85.1	72.0	35.2	18.4
Vt.	295	50	37	105	45	58	100.0	82.9	70.5	34.9	19.5
Mass.	3,483	471	476	1,283	542	692	100.0	86.4	72.7	35.6	20.0
R.I.	575	118	108	189	73	88	100.0	79.5	80.7	27.9	15.3
Conn.	1,899	304	256	638	296	403	100.0	84.0	70.5	38.8	21.2
N.E.A.	22,455	4,085	3,555	8,095	2,884	3,836	100.0	81.8	86.0	29.9	17.1
N.Y.	10,714	1,975	1,648	3,580	1,510	2,000	100.0	81.6	86.2	32.8	18.7
N.J.	4,502	791	656	1,620	593	839	100.0	82.4	87.8	31.8	18.6
Pa.	7,239	1,319	1,248	2,895	781	995	100.0	81.8	84.5	24.5	13.8
E.N.C.	24,058	4,032	3,908	9,248	3,383	3,489	100.0	83.2	87.8	28.6	14.5
Ohio	6,290	944	1,106	2,486	820	932	100.0	85.0	87.4	27.9	14.8
Ind.	3,135	527	543	1,303	374	388	100.0	83.2	85.9	24.3	12.4
Ill.	6,674	1,299	1,036	2,389	881	970	100.0	80.5	85.0	28.2	14.5
Mich.	5,254	777	894	1,970	818	797	100.0	85.2	88.2	30.7	15.2
Wis.	2,706	486	326	1,096	392	403	100.0	82.0	70.0	29.4	14.0
W.N.C.	10,018	1,854	1,210	3,844	1,597	1,513	100.0	81.5	88.4	31.0	18.1
Minn.	2,345	405	243	897	409	391	100.0	82.7	72.4	34.1	16.7
Iowa	1,700	288	201	723	248	239	100.0	83.0	71.2	28.7	14.1
Mo.	2,918	543	415	1,055	388	408	100.0	78.0	63.7	27.6	14.0
N. Dak.	365	90	32	115	73	55	100.0	75.3	66.5	35.0	15.2
S. Dak.	390	85	38	141	70	58	100.0	78.1	68.5	32.3	14.2
Nebr.	912	132	107	368	158	147	100.0	85.5	73.8	33.4	16.1
Kans.	1,388	210	175	545	241	218	100.0	84.9	72.3	33.1	15.7
S.A.	21,884	4,831	3,818	8,822	3,240	3,474	100.0	78.9	81.8	30.5	15.8
Del.	344	52	58	128	49	56	100.0	84.8	67.8	30.5	16.3
Md.	2,498	434	398	805	387	494	100.0	82.6	86.7	34.5	19.8
D.C.	398	83	64	103	58	112	100.0	84.1	68.0	42.1	28.1
Va.	3,131	574	500	898	459	600	100.0	78.5	62.5	33.8	19.2
W. Va.	1,147	316	182	413	116	120	100.0	72.5	56.6	20.6	10.5
N.C.	3,402	819	700	943	485	455	100.0	75.9	65.3	27.6	13.4
S.C.	1,732	438	358	459	230	248	100.0	74.7	54.0	27.5	14.2
Ge.	3,085	743	598	875	396	473	100.0	75.9	58.5	28.2	15.3
Fla.	6,248	1,091	957	2,197	1,083	918	100.0	82.5	67.2	32.0	14.7
E.S.C.	8,383	2,333	1,444	2,573	1,006	1,008	100.0	72.1	64.8	24.1	12.1
Ky.	2,087	685	320	826	227	229	100.0	67.2	51.9	21.9	11.0
Tenn.	2,891	742	458	854	318	322	100.0	72.4	55.4	23.7	11.9
Ala.	2,217	542	417	701	277	280	100.0	75.6	56.7	25.1	12.6
Miss.	1,368	364	250	392	185	177	100.0	73.4	55.1	26.5	13.0
W.S.C.	13,324	2,958	2,281	4,068	2,055	1,987	100.0	77.8	60.8	30.3	14.8
Ark.	1,337	368	237	457	147	130	100.0	72.6	54.9	20.7	9.7
La.	2,281	557	401	726	291	308	100.0	75.6	58.0	26.2	13.4
Okl.	1,768	317	271	611	291	278	100.0	82.1	66.7	32.2	15.7
Tex.	7,938	1,715	1,352	2,273	1,326	1,272	100.0	78.4	61.4	32.7	16.0
Mt.	6,332	791	793	2,240	1,323	1,186	100.0	87.5	75.0	39.8	18.7
Mont.	451	61	50	173	89	78	100.0	86.5	75.4	37.1	17.3
Idaho	514	70	70	183	108	83	100.0	86.4	72.8	37.1	18.1
Wyo.	255	25	31	102	52	44	100.0	90.1	77.8	37.7	17.2
Colo.	1,983	183	181	581	358	382	100.0	89.0	78.1	44.4	23.0
N. Mex.	707	129	96	242	117	122	100.0	81.8	66.2	33.9	17.3
Ariz.	1,558	227	204	534	331	281	100.0	85.4	72.3	38.0	18.8
Utah.	705	51	66	252	171	143	100.0	92.8	80.3	44.5	20.3
Nav.	479	48	71	192	96	72	100.0	90.4	75.5	35.5	15.1
Pac.	18,806	2,651	2,292	6,132	4,183	3,867	100.0	86.4	74.2	41.8	19.5
Wash.	2,439	263	297	920	500	458	100.0	89.2	77.0	39.3	18.6
Oreg.	1,579	187	212	591	318	272	100.0	88.2	74.7	37.3	17.2
Calif.	14,029	1,983	1,710	4,351	3,197	2,779	100.0	85.8	73.8	42.6	19.8
Alaska	211	18	18	80	47	47	100.0	91.3	82.8	44.8	22.4
Hawaii	547	90	55	189	101	111	100.0	83.5	73.4	38.8	20.3

Source: U.S. Bureau of the Census, 1980 Census of Population and Housing, Supplementary Reports, Series PHC 80-S1-1, Provisional Estimates of Social, Economic, and Housing Characteristics.

No. 228. YEARS OF SCHOOL COMPLETED, BY RACE, SEX, AND AGE: 1981

(Persons 25 years old and over as of March 1981. See headnote, table 225. For definition of median, see Guide to Tabular Presentation)

RACE, SEX, AND AGE	Population (1,000)	PERCENT OF POPULATION COMPLETING—							Median school years completed
		Elementary school			High school		College		
		4 years	5-7 years	8 years	1-3 years	4 years	1-3 years	4 years or more	
All races.....	122,889	2.3	6.8	7.7	13.9	37.6	16.1	17.1	12.6
Male.....	62,508	3.4	5.8	7.5	12.9	39.5	15.6	21.1	12.6
Female.....	70,380	3.1	5.8	7.8	14.1	41.1	14.6	13.4	12.5
25-29 years.....	19,891	.7	1.5	1.7	9.8	43.1	21.9	21.3	12.8
30-34 years.....	18,137	1.1	2.2	2.3	9.8	38.3	21.4	25.3	12.9
35-44 years.....	26,187	1.6	3.2	3.7	12.5	41.4	18.1	21.6	12.7
45-54 years.....	22,492	2.8	5.2	6.9	15.5	40.8	12.9	15.8	12.5
55 years and over.....	46,391	6.4	10.7	15.0	16.4	31.2	10.2	10.2	12.0
Black.....	13,289	7.9	11.1	8.6	21.4	31.8	13.9	6.2	12.1
25-29 years.....	2,331	.5	1.6	1.7	16.8	44.4	21.4	11.5	12.6
30-34 years.....	1,957	.8	3.6	2.7	18.8	36.7	23.7	11.9	12.6
35-44 years.....	2,751	2.3	4.9	4.7	24.1	41.0	14.0	9.1	12.3
45-54 years.....	2,250	5.8	12.2	9.3	27.9	27.7	9.4	7.8	11.4
55 years and over.....	3,962	20.8	23.8	11.8	18.8	16.5	4.5	3.9	6.5

Source: U.S. Bureau of the Census, unpublished Current Population Survey data.

No. 229. ILLITERACY—AGE, SEX, AND RACE: 1959 TO 1979

(Persons 14 years old and over. Relates to civilian noninstitutional population. 1959 excludes Alaska and Hawaii. Based on Current Population Survey; see text, p. 2. Persons unable to both read and write in any language classified as illiterate. Information on literacy was obtained in 1969 only for persons completing less than 6 years of school and in 1979 only for persons attending less than 6 years of school. See also *Historical Statistics, Colonial Times to 1970*, series H 560-566)

AGE AND SEX	PERCENT ILLITERATE OF THE POPULATION								
	Total			White			Black		
	1959	1969	1979	1959	1969	1979	1959	1969	1979
Total, 14 years and over.....	2.2	1.0	.6	1.6	.7	.4	7.5	3.6	1.6
14-24 years.....	.8	.3	.2	.5	.2	.2	1.2	.5	.2
25-44 years.....	1.2	.5	.3	.8	.4	.2	5.1	1.3	.5
45-64 years.....	2.6	1.1	.7	1.8	.7	.5	11.3	5.5	2.6
65 years and over.....	6.5	3.5	1.4	5.1	2.3	.8	25.5	18.7	6.8
Male, 14 years and over.....	2.5	1.1	(NA)	1.7	.7	(NA)	9.8	4.3	(NA)
14-24 years.....	.8	.3	(NA)	.7	.3	(NA)	1.7	.6	(NA)
25-44 years.....	1.6	.5	(NA)	1.0	.4	(NA)	7.1	2.1	(NA)
45-64 years.....	3.2	1.3	(NA)	2.0	.8	(NA)	15.6	7.4	(NA)
65 years and over.....	6.9	3.4	(NA)	5.3	2.1	(NA)	28.3	17.2	(NA)
Female, 14 years and over.....	1.8	1.0	(NA)	1.4	.7	(NA)	5.4	2.9	(NA)
14-24 years.....	.3	.2	(NA)	.3	.2	(NA)	.7	.3	(NA)
25-44 years.....	.9	.5	(NA)	.8	.5	(NA)	3.4	.8	(NA)
45-64 years.....	2.1	.9	(NA)	1.6	.6	(NA)	7.3	4.0	(NA)
65 years and over.....	6.2	3.5	(NA)	5.0	2.4	(NA)	23.0	16.2	(NA)

NA. Not available.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, Nos. 99 and 217; and unpublished data.

No. 230. SCHOOL DAYS LOST ASSOCIATED WITH ACUTE ILLMENTS: 1975 AND 1980

(Children 6-16 years of age. Based on data collected during the periods July 1974-June 1975 and July 1979-June 1980, respectively. Based on a sample of the civilian noninstitutionalized population; see Appendix III)

CONDITION	TOTAL DAYS LOST (mil.)						DAYS LOST PER 100 CHILDREN PER YEAR					
	1975			1976			1975			1980		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All acute conditions.....	189	97	96	190	86	103	451	447	456	487	440	536
Infective and parasitic diseases.....	35	19	16	39	17	22	81	66	77	99	64	113
Respiratory conditions.....	112	52	60	110	50	60	261	239	284	262	251	315
Upper respiratory.....	52	26	27	46	19	28	121	113	130	118	94	144
Influenza and other.....	60	27	32	64	31	33	140	126	154	164	157	171
Digestive system conditions.....	9	4	4	6	3	3	21	20	21	22	16	27
Injuries.....	22	14	8	15	10	4	52	47	36	37	51	23
All other acute conditions.....	15	7	8	16	6	11	36	34	38	47	38	57

Source: U.S. National Center for Health Statistics, series 10, Nos. 114 and 132, *Acute Conditions, Incidence and Associated Disability*; and unpublished data.

NO. 231. MEDIAN MONEY INCOME OF PERSONS WITH INCOME, BY SEX, RACE AND EDUCATIONAL ATTAINMENT: 1975 AND 1980

[For persons 18 years old and over. Based on Current Population Survey, see text, p. 2 and Appendix III. For definition of median, see Guide to Tabular Presentation]

ITEM	1975						1980					
	Male			Female			Male			Female		
	Total	White	Black	Total	White	Black	Total	White	Black	Total	White	Black
Median income, total	9,426	9,991	5,967	3,642	3,703	3,259	14,296	15,117	9,992	5,749	5,819	5,114
Elementary school:												
Less than 8 years	4,828	4,843	3,871	2,248	2,342	2,027	7,035	7,572	5,302	3,643	3,725	3,432
8 years	6,515	6,840	5,149	2,620	2,621	2,676	8,960	9,235	6,773	4,177	4,256	3,684
High school:												
1-3 years	7,447	7,864	5,356	2,995	2,997	2,997	9,924	10,531	6,783	4,242	4,303	3,994
4 years	10,167	10,463	7,466	4,153	4,143	4,234	14,583	15,176	10,479	6,060	6,048	6,115
College:												
1-3 years	10,412	10,856	8,300	4,306	4,236	5,165	15,674	16,252	11,761	6,985	6,872	7,735
4 years	14,350	14,856	10,573	7,001	6,700	8,461	22,173	22,724	15,643	10,119	9,936	11,664
5 or more years	17,479	17,822	14,539	10,143	10,047	10,900	26,927	27,235	21,085	15,108	15,042	16,354

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, Nos. 105 and 132.

NO. 232. EMPLOYED PERSONS BY YEARS OF HIGH SCHOOL COMPLETED, BY OCCUPATION GROUP AND BY SEX AND RACE: 1970 AND 1981

[Relates to civilian noninstitutional population 18 years old and over in 1970, and 16 years old and over in 1981. As of March. Service includes private household workers. Based on Current Population Survey, see text, p. 2]

SEX, RACE, AND YEARS OF HIGH SCHOOL COMPLETED	1970					1981				
	Em- ployed (mil.)	Percent				Em- ployed (mil.)	Percent			
		White collar	Blue collar	Serv- ice	Farm		White collar	Blue collar	Serv- ice	Farm
Male, White:										
Less than 4 years	14.7	18.5	64.8	7.5	9.1	11.2	15.7	63.7	13.2	7.3
4 years or more	27.7	58.0	34.6	4.6	2.9	39.2	53.5	37.0	6.8	2.7
Male, Black and other ¹										
Less than 4 years	2.6	8.8	71.6	12.6	7.0	1.7	7.5	64.9	22.4	5.3
4 years or more	2.0	42.1	47.3	9.2	1.4	3.0	35.5	48.0	15.7	.7
Female, White:										
Less than 4 years	6.9	30.3	35.6	31.0	3.2	6.6	32.7	29.5	35.8	1.9
4 years or more	16.1	77.9	9.0	12.3	.8	30.8	75.7	9.0	14.5	.7
Female, Black and other ¹										
Less than 4 years	1.7	10.3	21.5	67.0	1.2	1.3	17.9	19.1	62.6	.5
4 years or more	1.9	56.8	15.8	27.3	.2	3.2	64.4	12.9	22.6	.2

¹ For 1981, data are for Black only.

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Report* No. 125, and forthcoming report.

NO. 233. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS—ENROLLMENT, BY GRADE: 1960 TO 1960

[For school year through 1960; thereafter, as of fall of year. Beginning 1975, kindergarten includes nursery schools. For 1970-1981, totals include ungraded and special classes which are not projected among grades. For 1980 and 1981, enrollment figures are revised and 12th grade includes postgraduates. See also *Historical Statistics, Colonial Times to 1978*, series H 420-424]

GRADE	ENROLLMENT (1,000)									PERCENT DISTRIBUTION		
	1960	1960	1970	1970	1970	1977	1979	1979	1980	1960	1970	1980
Pupils enrolled:	32,067	42,300	42,300	44,791	44,317	43,577	42,611	41,579	40,904	100.0	100.0	100.0
Kindergarten and grades 1-8	27,082	38,052	38,577	38,087	38,052	38,336	38,485	37,894	37,895	78.5	71.9	67.5
Kindergarten	1,989	2,290	2,399	2,345	2,919	2,742	2,642	2,675	2,697	5.3	5.6	6.6
Total	3,759	4,762	3,976	3,256	3,339	3,296	3,052	2,939	2,894	10.3	8.3	7.1
Grades 1-8	3,424	3,992	3,996	3,327	3,094	3,199	3,148	2,899	2,899	8.5	8.8	6.6
Total	3,424	3,992	3,992	3,426	2,996	3,099	3,158	3,096	2,996	9.2	8.8	7.1
Grades 9-12	3,115	3,233	3,476	3,112	3,094	2,979	3,046	3,139	3,115	8.7	8.8	7.6
Total	3,115	3,233	3,476	3,297	3,115	3,079	2,999	3,095	3,139	8.6	7.9	7.6
Grades 9-12	3,115	3,233	3,476	3,476	3,297	3,111	3,096	2,996	3,096	8.5	7.8	7.4
Total	3,115	3,233	3,476	3,476	3,297	3,296	3,296	3,129	3,097	8.6	8.8	7.5
Grades 9-12	2,747	2,742	3,476	3,476	3,397	3,332	3,355	3,199	3,297	7.5	7.8	7.5
Grades 9-12	2,685	12,000	12,332	14,394	14,319	14,249	14,198	13,894	13,719	28.5	28.0	28.5
Total	2,685	12,000	12,332	12,332	12,332	12,332	12,332	12,332	12,332	8.3	6.9	8.2
Grades 9-12	12,332	12,332	12,332	12,332	12,332	12,332	12,332	12,332	12,332	6.3	7.5	8.2
Total	12,332	12,332	12,332	12,332	12,332	12,332	12,332	12,332	12,332	5.7	6.8	7.8
Total	12,332	12,332	12,332	12,332	12,332	12,332	12,332	12,332	12,332	4.8	6.2	7.1

U.S. Bureau of the Census, *Current Population Reports*, series P-60, Nos. 105 and 132.

NO. 234. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS—SUMMARY: 1960 TO 1980

[Revenue and expenditure data for years ending June 30. See also *Historical Statistics, Colonial Times to 1970*, series H 420, H 487-507, and H 520-530]

ITEM	Unit	1960	1965	1970	1972	1974	1976	1978	1979	1980
ENROLLMENT (day schools only)										
Population 5-17 years ¹	Million.....	43.9	50.0	52.5	52.3	51.5	50.4	48.0	48.0	47.4
Percent of total population.....	Percent ...	24.5	25.8	25.8	25.4	24.5	23.6	22.7	22.0	20.9
Pupils enrolled.....	Million.....	36.1	42.8	² 45.6	² 46.1	² 45.4	² 44.8	² 43.6	² 42.6	² 41.6
Percent of total population.....	Percent ...	20.1	22.1	22.4	22.3	21.6	21.0	20.2	19.5	18.4
<u>Percent of population 5-17 years</u>	Percent ...	82.2	85.7	86.9	86.1	86.2	88.9	89.0	88.7	87.7
Average daily attendance.....	Million.....	32.5	39.2	41.9	42.3	41.4	41.3	40.2	39.1	38.2
Percent of pupils enrolled.....	Percent ...	90.0	91.4	91.9	91.7	91.2	92.2	92.0	91.8	91.8
Average length of term in days.....	Number ...	178.0	178.9	178.9	179.3	178.7	178.3	(NA)	(NA)	³ 178.8
Average number of days attended per enrolled pupil.....	Number ...	160.2	163.5	161.7	161.7	159.5	161.1	(NA)	(NA)	³ 161.3
INSTRUCTIONAL STAFF (day schools only)										
Total ⁴	1,000.....	1,464	1,085	2,253	2,322	2,425	2,476	2,351	2,337	2,438
Classroom teachers.....	1,000.....	1,355	1,786	2,023	2,070	2,155	2,196	2,208	2,199	2,181
Male ⁴	1,000.....	393	568	656	695	723	741	(NA)	(NA)	(NA)
Percent ⁴	Percent ...	29.0	31.8	32.4	33.7	33.5	33.7	(NA)	(NA)	(NA)
Female ⁴	1,000.....	962	1,218	1,367	1,375	1,432	1,455	(NA)	(NA)	(NA)
Principals.....	1,000.....	64	77	91	97	100	104	(NA)	(NA)	106
Supervisors.....	1,000.....	14	22	32	37	38	35	(NA)	(NA)	(NA)
REVENUES										
Total.....	Mill. dol ...	14,747	25,357	40,267	50,004	58,231	71,206	81,440	88,057	96,881
Federal.....	Mill. dol ...	652	1,997	3,220	4,468	4,930	6,318	7,699	8,643	9,504
State.....	Mill. dol ...	5,768	9,920	16,063	19,133	24,113	31,776	35,005	40,248	45,349
Local (incl. intermediate).....	Mill. dol ...	8,327	13,440	20,985	26,402	29,187	33,112	38,736	39,168	42,029
EXPENDITURES										
Total.....	Mill. dol ...	15,813	26,248	40,683	48,060	56,870	70,601	80,844	86,712	95,962
Current expenditure for day schools.....	Mill. dol ...	12,329	21,053	34,218	41,818	50,025	62,054	73,058	78,951	86,984
Other current expenditure ⁵	Mill. dol ...	133	648	636	⁶ 395	⁶ 453	⁶ 554	⁷ 589	⁶ 357	⁶ 598
Capital outlay.....	Mill. dol ...	⁸ 2,662	3,755	4,659	4,459	4,979	6,146	5,245	5,448	6,506
Interest.....	Mill. dol ...	490	792	1,171	1,378	1,514	1,846	1,952	1,955	1,874
In current dollars:										
Total expenditure:										
Per capita of total population.....	Dollars.....	87	135	200	233	271	328	374	397	424
Per pupil in average daily attendance in day schools. ⁹	Dollars.....	472	654	955	1,126	1,364	1,697	2,011	2,210	2,494
Current expenditure per pupil in average daily attendance in day schools. ¹⁰	Dollars.....	375	537	816	990	1,207	1,504	1,823	2,021	2,275
Salaries of total instructional staff.....	Mill. dol ...	7,671	13,068	20,879	24,292	28,110	30,009	(NA)	(NA)	(NA)
Average annual salary per member.....	Dollars.....	5,174	6,935	8,840	10,100	11,185	¹¹ 12,448	¹¹ 14,244	¹¹ 15,615	¹¹ 16,780
In 1960 dollars:										
Total expenditure.....	Mill. dol ...	41,251	63,812	83,620	90,651	94,821	98,806	100,206	98,253	95,962
Per capita of total population.....	Dollars.....	230	328	411	440	451	459	464	450	424
Per pupil in average daily attendance in day schools. ⁹	Dollars.....	1,247	1,590	1,963	2,128	2,270	2,375	2,493	2,504	2,494
Current expenditure per pupil in average daily attendance in day schools. ¹⁰	Dollars.....	991	1,306	1,677	1,868	2,009	2,105	2,260	2,290	2,275
Average annual salary per member of total instructional staff.....	Dollars.....	13,670	16,860	18,170	19,055	18,616	¹¹ 17,421	¹¹ 17,655	¹¹ 17,693	¹¹ 16,780

NA Not available. ¹For 1960 and 1970, enumerated population as of April 1; for all other years, estimated population as of July 1 of preceding year. Excludes Armed Forces abroad. ²As of fall of preceding year. ³Includes librarians and other nonsupervisory instructional staff, not shown separately. ⁴Estimated. ⁵Comprises summer schools, community colleges, adult education, and community services. ⁶Excludes adult education and community colleges. ⁷Includes adult education, summer school, Head Start, and other education programs. ⁸Excludes capital outlay by State and local schoolhousing authorities. ⁹Based on current expenditures allocable to pupil costs, capital outlay, and interest. ¹⁰Excludes current expenditures not allocable to pupil costs.

Source: U.S. National Center for Education Statistics, *Statistics of State School Systems*, biennial; and *Statistics of Public Elementary and Secondary School Systems*, annual.

**NO. 235. PUBLIC ELEMENTARY AND SECONDARY SCHOOL ENROLLMENT AND RATE, 1970 AND 1961,
ATTENDANCE, 1961, AND LENGTH OF TERM, 1976—STATES**

[Enrollment as of fall of preceding year. ADA—Average daily attendance; ADM—Average daily membership]

STATE	ENROLLMENT (1,000)		ENROLLMENT RATE ¹		Per- cent ADA of ADM, 1961	Avg. days in school year, 1976 (days)	STATE	ENROLLMENT (1,000)		ENROLLMENT RATE ²		Per- cent ADA of ADM, 1961	Avg. days in school year, 1976 (days)
	1970	1961	1970	1961				1970	1961	1970	1961		
U.S.	45,818	40,964	86.8	86.8	93.1	176.3	S.A.—Con.						
N.E.	2,486	2,148	89.3	88.6	92.1	179.9	W. Va.	401	384	90.7	92.8	93.8	176.1
Maine	240	222	92.7	91.4	93.6	175.4	N.C.	1,186	1,129	89.6	90.2	93.8	180.0
N.H.	152	167	80.4	85.2	98.2	179.6	S.C.	648	619	90.0	88.1	96.6	180.0
Vt.	100	96	86.5	88.1	94.6	177.0	Ga.	1,113	1,069	90.9	86.8	94.1	*180.0
Mass.	1,147	1,022	81.7	88.6	90.0	*181.0	Fla.	1,408	1,510	87.5	84.4	92.0	180.0
R.I.	180	148	80.0	79.8	96.5	*180.0	E.S.C.	2,898	2,780	87.8	88.3	94.6	179.9
Conn.	646	531	84.1	83.2	92.1	180.0	Ky.	704	670	83.4	83.8	92.9	175.2
MA.	7,287	6,028	88.2	80.8	90.6	179.0	Tenn.	891	854	88.9	87.9	94.2	175.7
N.Y.	3,514	2,871	80.6	80.8	90.0	177.3	Ala.	826	759	88.5	87.7	96.1	175.9
N.J.	1,455	1,246	80.9	81.6	90.0	180.3	Miss.	575	477	90.6	79.6	95.3	177.3
Pa.	2,318	1,906	79.3	80.3	91.6	180.6	W.S.C.	4,898	4,704	90.4	90.1	93.6	179.6
E.S.C.	3,118	7,888	86.1	86.6	92.1	178.2	Ark.	460	448	92.6	90.3	95.0	175.0
Ohio	2,424	1,957	86.0	84.8	92.6	178.1	La.	654	778	82.0	80.3	91.8	179.7
Ind.	1,224	1,056	88.4	88.0	94.1	181.4	Okla.	613	578	95.6	92.9	94.9	175.1
Ill.	2,324	1,963	81.3	82.7	92.6	174.1	Tex.	2,755	2,900	91.6	92.4	93.5	179.7
Mich.	2,186	1,863	88.5	90.1	93.6	180.0	Mo.	2,108	2,380	90.9	92.8	98.0	179.7
Wis.	980	830	81.5	82.1	93.8	180.1	Mont.	175	155	89.3	82.6	94.6	*180.7
W.N.C.	3,617	3,074	88.6	88.6	94.3	178.6	Idaho	180	203	90.0	95.3	93.6	180.0
Minn.	914	754	87.0	87.2	94.0	176.5	Wyo.	87	98	93.5	97.0	87.6	180.4
Iowa	881	534	86.0	86.4	94.7	175.8	Colo.	638	648	91.6	92.2	96.4	178.7
Mo.	1,077	845	91.0	83.8	93.6	*175.0	N. Mex.	276	271	89.0	89.7	96.2	*180.0
N. Dak.	148	117	84.6	86.0	96.6	180.1	Ariz.	418	514	86.0	86.9	98.2	175.0
S. Dak.	167	129	89.3	87.8	94.6	175.7	Utah	302	344	96.8	96.3	94.4	180.0
Nebr.	331	280	85.3	86.4	96.0	176.6	Nev.	124	149	88.4	93.7	98.6	180.0
Kans.	519	416	80.6	88.7	94.0	180.0	Pac.	6,168	5,693	91.8	96.4	93.4	178.6
S.A.	7,094	6,671	88.6	87.4	93.1	180.2	Wash.	520	758	93.2	91.0	93.7	180.0
Del.	130	96	87.2	78.6	91.8	180.0	Oreg.	479	466	89.7	86.6	92.9	176.0
Md.	882	751	85.9	83.9	91.2	181.4	Calif.	4,586	4,118	92.0	88.0	93.6	176.0
D.C.	149	100	80.9	91.7	80.9	182.0	Alaska	77	87	87.7	95.6	93.1	179.9
Va.	1,077	1,010	88.9	90.7	93.2	180.4	Hawaii	179	166	87.3	83.3	91.4	177.9

¹Percent of persons, 5-17 years, 1970 based on enumerated resident population as of April 1, 1970; 1961, on enumerated resident population as of April 1, 1960. ²Estimated.

Source: U.S. National Center for Education Statistics, 1970, *Statistics of State School Systems*, biennial; 1961, *Digest of Education Statistics*, annual; and *Statistics of Public Elementary and Secondary School Systems*, annual.

NO. 236. CHARACTERISTICS OF PRIVATE SCHOOLS, BY LEVEL AND AFFILIATION: 1976 TO 1960

[As of fall. Elementary includes any combination of grades from prekindergarten through 8. Secondary includes any combination of grades from 7 through 12. Combined must include at least one grade below grade 7 and one above grade 6]

LEVEL AND ITEM	ALL PRIVATE SCHOOLS			NO AFFILIATION			CHURCH AFFILIATION					
							Total			Catholic		
	1976	1978	1980	1976	1978	1980	1976	1978	1980	1976	1978	1980
Total:												
Schools.....	20,061	19,663	21,000	4,171	3,944	4,767	15,910	15,719	16,233	9,966	9,649	9,862
Pupils (1,000).....	5,167	5,084	5,029	758	747	802	4,409	4,336	4,226	3,423	3,270	3,191
Teachers ¹ (1,000).....	269	273	281	62	63	71	207	209	210	146	143	146
Elementary: ²												
Schools.....	12,965	12,748	13,363	1,478	1,384	1,669	11,489	11,365	11,670	8,092	8,020	7,866
Pupils (1,000).....	3,081	2,999	2,925	184	184	214	2,896	2,804	2,711	2,484	2,342	2,286
Teachers ¹ (1,000).....	133	133	134	14	14	16	119	119	118	95	93	93
Secondary												
Schools.....	2,484	2,418	2,199	473	445	422	2,011	1,973	1,777	1,552	1,518	1,410
Pupils (1,000).....	1,080	1,068	1,000	87	100	86	983	969	904	882	867	824
Teachers ¹ (1,000).....	62	63	62	9	9	9	53	53	53	46	45	46
Combined:												
Schools.....	3,420	3,346	3,406	1,276	1,219	1,182	2,144	2,129	2,226	140	136	197
Pupils (1,000).....	905	937	933	401	396	388	504	540	545	58	53	75
Teachers ¹ (1,000).....	61	64	66	30	31	31	31	34	34	3	3	4
Other ³												
Schools.....	1,212	1,148	2,030	848	866	1,470	266	252	560	182	176	199
Pupils (1,000).....	101	90	170	76	66	106	25	24	66	19	18	25
Teachers ¹ (1,000).....	12	13	21	9	10	15	3	3	6	2	2	3

¹Full-time equivalent teachers. ²Includes middle schools. ³Includes special education, vocational/technical, and alternative schools regardless of grade span.

Source: U.S. National Center for Education Statistics, *Private Schools in American Education*, and *Selected Statistics in Private Elementary and Secondary Schools*, Fall 1980.

NO. 237. CATHOLIC ELEMENTARY AND SECONDARY SCHOOLS: 1960 TO 1981

(As of October 1. Regular sessions only. See also *Historical Statistics, Colonial Times to 1970*, series H 535-544)

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Elementary schools.....	Number.....	10,801	10,579	9,362	8,340	8,281	8,204	8,159	8,100	8,043	7,986
Pupils enrolled.....	1,000.....	4,373	4,492	3,365	2,525	2,483	2,421	2,365	2,293	2,269	2,285
Teachers, total.....	1,000.....	108	120	112	99	100	100	99	98	97	97
Religious.....	1,000.....	79	76	52	35	34	32	29	27	25	24
Lay.....	1,000.....	29	44	60	64	66	68	70	71	72	73
Secondary schools.....	Number.....	2,382	2,413	1,981	1,653	1,623	1,593	1,564	1,540	1,516	1,486
Pupils enrolled.....	1,000.....	880	1,082	1,006	690	662	657	653	648	637	628
Teachers, total.....	1,000.....	44	57	54	50	51	51	48	48	49	49
Religious.....	1,000.....	33	36	26	20	19	18	16	15	14	14
Lay.....	1,000.....	11	19	28	30	32	33	33	34	35	35

Source: National Catholic Educational Association, Washington, D.C., *A Statistical Report on Catholic Elementary and Secondary Schools for the Years 1967-68 to 1980-70*, and *U.S. Catholic Schools, 1973-74*, and National Catholic Educational Association/Ganley's, *Catholic Schools in America*, annual. (Copyright.)

NO. 238. PRIVATE ELEMENTARY AND HIGH SCHOOLS—ENROLLMENT AND TUITION, BY RACE, FAMILY INCOME, EDUCATION OF FAMILY HOUSEHOLDER, AND RESIDENCE: 1978

(As of October. For dependant family members, unless otherwise indicated. Civilian noninstitutional population)

ITEM	ENROLLMENT (1,000)			MEAN TUITION (dol.)		ITEM	ENROLLMENT (1,000)			MEAN TUITION (dol.)	
	All schools	Total	Church related	Private	Church related		All schools	Total	Church related	Private	Church related
RACE						EDUCATION ^{1,2}					
All races.....	42,363	4,398	3,618	6721	6688	Elementary: 0-8 yrs.....	6,670	223	194		
White.....	36,015	3,791	3,170	733	561	High school: 1-3 yrs.....	6,360	367	346		
Black.....	6,454	313	266	801	533	4 yrs. or more.....	15,630	1,431	1,265	(NA)	(NA)
Spanish origin ³	2,920	246	216	(NA)	(NA)	College: 1-3 yrs.....	6,172	743	641		
Income ² (dol.)						4 or more yrs.....	7,556	1,362	1,027		
Less than 5,000.....	3,601	115	87	368	350	RESIDENCE ⁴					
5,000 to 9,999.....	5,884	248	200	480	408	Northeast.....	9,734	1,220	1,077	697	527
10,000 to 14,999.....	7,417	526	479	559	471	North Central.....	11,198	1,267	1,161	556	446
15,000 to 19,999.....	6,404	648	585	618	500	South.....	14,482	1,128	825	889	740
20,000 to 24,999.....	6,456	721	682	577	551	West.....	7,567	597	487	886	619
25,000 to 49,999.....	7,973	1,153	984	734	600						
50,000 and over.....	1,493	411	229	1,472	896						

NA Not available. ¹Persons of Spanish origin may be of any race. ²Excludes those not reported. ³Education of family householder. ⁴Total enrolled.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, forthcoming report.

NO. 239. PUBLIC SCHOOL PUPIL TRANSPORTATION: 1940 TO 1980

(Prior to 1960, excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series H 531-534)

ITEM	Unit	1940	1950	1960	1965	1970	1974	1976	1978	1980 ¹
Pupils transported at public expense ²	Million.....	4.1	6.9	12.2	17.1	18.2	21.3	21.8	21.8	21.8
Percent of pupils in ADA ³	Percent.....	16.3	27.7	37.6	42.0	43.4	51.5	52.8	54.4	57.0
Expenditure of public funds ³	MR. dol.....	83	215	486	951	1,219	1,858	2,377	2,731	3,833
Cost per pupil transported ¹	Dollars.....	.20	.31	.40	.57	.67	.87	1.09	1.25	1.78

¹Preliminary. ²Prior to 1960 based on enrollment; thereafter, average daily attendance (ADA). ³Excludes capital outlay.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 240. MODE OF TRANSPORTATION, DISTANCE, AND TIME TRAVELED TO SCHOOL: 1978

[As of October. Elementary includes grades 1-8; secondary, grades 9-12]

ITEM	Total en- rolled ¹	ELEMENTARY					SECONDARY				
		Total	Metropolitan areas			Non- metro. areas	Total	Metropolitan areas			Non- metro. areas
			Total	Central cities				Total	Central cities		
				Inside	Outside				Inside	Outside	
Enrollment (1,000).....	60,719	26,490	18,710	7,479	11,232	9,780	15,475	10,315	4,048	6,267	5,160
Percent distribution:											
Walk	23.8	34.4	41.4	53.9	33.0	20.9	20.8	23.6	28.1	20.6	15.3
Car	30.2	16.2	16.1	19.0	14.2	16.2	30.0	26.8	28.1	29.3	32.3
School bus.....	32.6	44.5	37.1	20.3	46.3	58.6	37.3	31.8	15.8	42.1	46.3
Time: ²											
Less than 15 minutes	51.1	56.8	61.6	67.6	57.6	47.6	45.2	48.1	44.1	47.4	43.5
15-29 minutes.....	29.7	26.7	26.4	22.3	29.2	27.3	34.4	36.0	35.5	36.3	31.3
30-59 minutes.....	16.4	14.5	10.9	8.8	12.3	21.4	17.3	15.7	17.8	14.4	20.5
Median miles (number).....	2.6	1.8	1.2	(³)	1.8	2.8	3.0	2.8	2.5	2.9	3.9

¹Includes nursery, kindergarten, vocational schools, and colleges, not shown separately. ²For those fully reported. ³Less than 1 mile.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 342.

No. 241. MINORITY ENROLLMENT IN PUBLIC ELEMENTARY AND SECONDARY SCHOOLS, BY MINORITY-GROUP SCHOOL ENROLLMENT, 1976 TO 1980, AND BY STATES, 1980

[As of fall. "Minority group" refers to Blacks, American Indians, Alaskan Natives, Asian or Pacific Islanders, and Hispanics. Data are based on a survey of public school districts with a substantial minority-group enrollment. Extent of undercoverage (school districts not included) will vary by State]

STATE	Total minority enroll- ment ¹ (1,000)	MINORITY-GROUP SCHOOL ENROLLMENT					STATE	Total minority enroll- ment ¹ (1,000)	MINORITY-GROUP SCHOOL ENROLLMENT				
		Under 50 percent		90-100 percent (1,000)	99-100 percent				Under 50 percent		90-100 percent (1,000)	99-100 percent	
		Total (1,000)	Per- cent		Number (1,000)	Per- cent			Total (1,000)	Per- cent		Num- ber (1,000)	Per- cent
Total, 1976.....	10,747.0	4,287.0	30.9	3,379.8	1,829.2	17.0	Miss	189.9	44.1	26.0	58.1	31.7	18.7
Total, 1976.....	10,336.5	4,088.4	28.6	3,115.6	1,663.9	16.1	Mo	112.8	40.1	35.5	50.0	36.6	32.5
Total, 1980.....	9,129.6	3,200.7	35.4	2,978.2	1,817.3	17.7	Mont.....	9.9	5.9	59.9	2.9	.3	3.0
Ala	228.3	90.4	39.6	79.6	55.4	24.3	Nebr.....	19.6	15.9	81.3	.8	.3	1.7
Alaska	14.4	10.8	74.8	2.3	1.0	6.9	Nev	27.3	24.5	89.4	.8	-	-
Ariz.....	102.6	45.0	43.9	17.5	.6	.6	N.H.....	1.5	1.5	100.0	-	-	-
Ark	64.9	28.0	43.1	1.8	-	-	N.J.....	287.4	63.6	22.2	141.9	64.8	22.5
Calif.....	1,427.3	441.7	30.9	391.8	197.7	13.9	N. Mex.....	115.5	26.5	24.6	25.2	4.9	4.2
Colo.....	103.0	56.7	57.0	1.5	.2	.2	N.Y.....	816.9	156.9	19.4	463.3	250.7	30.7
Conn.....	80.9	30.0	37.1	25.0	9.5	11.7	N.C.....	293.9	185.7	63.1	19.2	4.6	1.6
Del	27.1	25.6	94.5	.2	.2	.8	N. Dak	2.5	2.3	91.9	-	-	-
D.C.....	101.1	.7	.7	94.7	84.1	83.1	Ohio	251.5	99.8	39.6	36.8	11.5	4.6
Fla.....	483.0	262.2	54.3	89.6	19.7	4.1	Okla	75.5	53.4	70.8	3.9	-	-
Ga.....	304.2	110.4	36.4	90.0	52.8	17.4	Oreg.....	27.8	24.2	87.4	.6	.6	2.1
Hawaii.....	121.9	7.1	5.9	26.5	.4	.3	Pa.....	254.4	70.7	27.8	124.0	92.7	36.5
Idaho	7.4	7.2	97.5	-	-	-	R.I.....	10.4	7.5	72.1	-	-	-
Ill.....	511.3	112.6	22.1	309.5	247.6	48.4	S.C.....	212.0	95.3	45.0	36.1	15.5	7.3
Ind.....	115.0	46.3	40.2	37.8	22.0	19.1	S.Dak.....	7.4	3.0	41.2	2.3	1.7	23.3
Iowa.....	18.1	17.7	97.9	-	-	-	Tenn.....	171.5	55.8	32.5	58.3	29.3	17.1
Kans	40.1	29.9	74.4	3.0	1.1	2.7	Tex.....	1,037.8	268.3	25.8	413.2	149.7	14.4
Ky.....	50.9	46.1	90.4	-	-	-	Utah	23.9	22.5	93.9	.9	.2	.7
La.....	313.2	114.0	36.4	112.5	78.1	24.9	Vt.....	.3	.3	100.0	-	-	-
Maine.....	1.1	1.1	100.0	-	-	-	Va.....	225.4	103.9	46.3	12.6	3.0	1.3
Md.....	250.7	90.0	36.0	70.5	48.8	19.5	Wash.....	69.7	55.4	79.3	.5	-	-
Mass.....	87.5	37.7	43.1	2.3	-	-	W. Va.....	14.5	13.9	95.7	-	-	-
Mich.....	324.9	89.5	21.4	158.3	93.6	28.8	Wis.....	68.4	35.3	51.7	11.0	5.7	8.4
Minn.....	37.2	35.0	93.9	.9	.6	1.7	Wyo.....	4.6	4.0	86.1	-	-	-

- Represents zero. ¹Includes categories not shown separately.

Source: U.S. Office for Civil Rights, *State and National Summaries of Data Collected by The Elementary and Secondary Schools Civil Rights Survey, 1976, 1978, and 1980.*

No. 242. PUBLIC ELEMENTARY AND SECONDARY SCHOOL ENROLLMENT AND ENROLLMENT IN BILINGUAL PROGRAMS, BY REGION AND RACE: 1980

[In thousands, except percent. Bilingual enrollment refers to pupils enrolled in a bilingual program, High Intensity Language Training, and English-as-a-second-language program or any non-language class taught in a language other than English. Based on sample and subject to sampling variability. For composition of divisions, see inside front cover]

DIVISION	ENROLLMENT			RACE	ENROLLMENT		
	Total	Bilingual enrollment			Total	Bilingual enrollment	
		Number	Percent of total			Number	Percent of total
Total	30,832	830	2.1	White ¹	29,180	50	.2
New England	2,023	33	1.6	Black ¹	6,418	7	.1
Middle Atlantic.....	5,805	53	.9	Hispanic.....	3,179	643	20.2
East North Central.....	7,438	74	1.0	Asian American.....	749	116	15.5
West North Central.....	2,969	7	.2	American Indian.....	308	16	5.2
South Atlantic.....	6,634	50	.8				
East South Central.....	2,738	2	.1				
West South Central.....	4,555	223	4.9				
Mountain.....	2,249	68	3.0				
Pacific.....	5,421	320	5.9				

¹ Non-Hispanic.

Source: U.S. Department of Education, Office of Civil Rights, 1980 Elementary and Secondary Schools, Civil Rights Survey, National-State Summaries, 1982.

No. 243. PUBLIC ELEMENTARY AND SECONDARY STUDENTS IN SPECIAL EDUCATION PROGRAMS, BY AMOUNT OF PARTICIPATION PER WEEK AND BY TYPE OF HANDICAP: FALL 1980

TYPE OF HANDICAP	Enroll- ment (1,000)	NUMBER (1,000)			PERCENT		
		Less than 10 hours	More than 10 hours ¹	Full- time	Less than 10 hours	More than 10 hours ¹	Full- time
Total	3,234	1,848	716	871	57	22	21
Educable mentally retarded.....	563	79	246	238	14	44	42
Trainable mentally retarded.....	95	2	8	85	2	8	90
Hard of hearing.....	29	17	5	6	60	19	21
Deaf.....	18	3	5	10	14	31	55
Speech impaired.....	908	872	19	18	96	2	2
Visually handicapped.....	17	11	3	3	84	16	20
Seriously emotionally disturbed.....	183	55	48	80	30	26	44
Orthopedically impaired.....	39	14	5	20	37	12	52
Other health impaired.....	66	37	7	23	55	10	35
Specific learning disability.....	1,263	752	362	149	60	29	12
Deaf-blind.....	1	(z)	(z)	1	22	13	65
Multihandicapped.....	52	7	8	38	13	15	72

Z Less than 500. ¹ Excludes full-time.

Source: U.S. National Center for Education Statistics, Digest of Education Statistics, 1982.

No. 244. PUBLIC SCHOOL LIBRARIES/MEDIA CENTERS (LMC): FALL 1978

SCHOOL LEVEL AND MEMBERSHIP	SCHOOLS WITH LMC		EMPLOYEES		EXPENDITURES				TRANSACTIONS		TITLES ¹	
	Num- ber	Per- cent of all schools	Full- time	Part- time	Total (mil. dol.)	Per pupil (dol.)	Percent for—		Num- ber (1,000)	Mean	Num- ber (mil.)	Mean (1,000)
							Salary and wages	Books				
Elementary, total ²	62,087	63	41,324	27,037	834.7	35	73	13	11,668	228	302.9	5.8
2,000 or more students.....	29	100	76	20	1.4	28	81	12	33	1,149	.3	11.5
1,000 to 1,999.....	2,004	93	3,092	662	63.1	29	72	12	914	456	18.5	9.2
700 to 999.....	6,436	95	7,151	2,180	135.9	28	74	12	1,986	309	48.6	7.5
500 to 699.....	12,060	92	11,571	5,432	220.9	33	71	14	3,255	270	81.1	6.7
300 to 499.....	18,270	88	13,898	9,094	271.9	37	76	11	4,165	228	102.1	5.6
Under 300.....	13,289	66	5,536	9,650	141.5	47	72	14	1,534	115	52.2	3.9
Secondary, total.....	16,787	93	29,411	7,184	550.9	33	71	12	6,942	370	166.8	8.8
2,000 or more students.....	1,356	95	4,038	574	79.3	25	73	12	892	657	22.2	16.4
1,000 to 1,999.....	5,048	96	11,653	2,209	215.2	32	70	12	2,870	568	60.6	12.0
700 to 999.....	3,414	96	5,063	1,161	91.9	33	71	12	1,075	315	30.6	9.0
500 to 699.....	2,637	97	3,268	725	61.2	38	69	11	765	290	19.4	7.4
300 to 499.....	2,795	94	3,111	751	54.4	42	71	11	718	257	16.4	5.9
Under 300.....	3,517	82	2,236	1,715	48.9	52	70	14	622	177	17.5	5.0

¹ End of year. ² Includes combined schools.

Source: U.S. National Center for Education Statistics, Statistics of Public School Libraries/Media Centers, Fall 1978.

NO. 245. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS—NUMBER AND AVERAGE SALARY OF CLASSROOM TEACHERS, 1960 TO 1982, AND BY STATES, 1982

[Estimates for school year ending in June. Schools classified by type of organization rather than by grade-group; elementary includes kindergarten]

YEAR AND STATE	TEACHERS (1,000)			AVG. SALARY (\$1,000)			STATE	TEACHERS (1,000)			AVG. SALARY (\$1,000)		
	Total	Elementary	Secondary	All teachers	Elementary	Secondary		Total	Elementary	Secondary	All teachers	Elementary	Secondary
1960.....	1,355	834	521	5.0	4.8	5.3	Maine.....	12.2	7.6	4.6	14.9	14.4	15.6
1965.....	1,648	940	708	6.2	6.0	6.5	Md.....	39.6	18.7	21.0	20.9	20.2	21.4
1970.....	2,008	1,109	899	8.6	8.4	8.9	Mass.....	58.0	24.3	33.7	19.9	19.6	20.0
1974.....	2,138	1,152	986	10.8	10.5	11.1	Mich.....	78.2	40.6	37.6	22.3	22.1	22.6
1975.....	2,171	1,169	1,001	11.7	11.3	12.0	Minn.....	44.0	21.1	22.9	19.9	19.1	20.6
1976.....	2,191	1,170	1,021	12.6	12.3	12.9	Miss.....	25.4	14.0	11.4	14.1	13.9	14.4
1977.....	2,188	1,176	1,011	13.4	13.0	13.6	Mo.....	47.8	23.9	23.9	16.5	16.1	16.9
1978.....	2,196	1,175	1,021	14.2	13.9	14.6	Mont.....	9.1	5.1	4.0	17.6	17.0	18.4
1979.....	2,205	1,169	1,015	15.0	14.7	15.5	Nebr.....	16.8	8.5	8.3	15.5	14.4	16.3
1980.....	2,204	1,201	1,003	16.0	15.6	16.4	Nev.....	7.2	3.6	3.5	16.2	16.1	18.4
1981.....	2,202	1,198	1,004	17.6	17.2	18.1	N.H.....	9.9	5.2	4.7	14.7	14.5	14.9
1982, U.S.....	2,179	1,187	891	19.0	18.5	19.5	N.J.....	75.3	44.4	30.9	19.7	19.3	20.2
Ala.....	39.7	20.3	19.4	15.4	15.0	16.0	N. Mex.....	14.1	6.7	7.4	18.9	18.6	19.2
Alaska.....	5.4	2.9	2.4	31.9	31.8	32.1	N.Y.....	163.7	71.2	92.5	22.8	22.6	23.0
Ariz.....	27.0	18.6	8.4	18.0	17.8	18.4	N.C.....	55.2	33.6	21.6	16.4	16.3	16.4
Ark.....	24.1	11.8	12.3	14.0	13.6	14.4	N. Dak.....	7.2	4.2	3.0	14.8	15.0	14.6
Calif.....	174.4	104.0	70.4	22.4	22.1	22.8	Ohio.....	99.4	54.9	44.6	18.1	17.8	18.7
Colo.....	29.9	14.8	15.1	19.6	19.1	20.1	Okla.....	34.8	18.1	16.6	16.8	16.4	17.2
Conn.....	32.6	19.7	12.9	18.3	18.1	18.4	Oreg.....	25.3	15.2	10.1	20.0	19.6	20.8
Del.....	5.5	2.5	3.0	19.2	18.7	19.7	Pa.....	105.8	48.5	57.3	19.3	18.8	19.7
D.C.....	5.1	3.0	2.1	24.3	24.3	24.2	R.I.....	9.1	4.6	4.5	21.5	21.6	21.4
Fla.....	79.6	43.1	36.6	16.9	17.1	16.6	S.C.....	31.9	19.8	12.1	15.6	15.2	16.3
Ga.....	59.9	35.3	24.6	16.4	16.1	16.6	S. Dak.....	8.0	5.2	2.8	14.5	14.3	14.8
Hawaii.....	8.0	4.8	3.2	23.3	23.6	22.5	Tenn.....	40.6	25.0	15.6	16.2	16.1	16.3
Idaho.....	10.1	5.4	4.7	16.3	16.0	16.8	Tex.....	166.0	92.8	73.2	17.5	17.0	18.1
Ill.....	106.5	71.0	37.3	21.0	20.1	22.6	Utah.....	14.7	8.4	6.3	17.9	17.3	18.7
Ind.....	52.6	26.3	26.2	19.0	18.5	19.4	Vt.....	6.8	3.5	3.3	13.6	13.1	14.0
Iowa.....	31.1	14.7	16.4	18.0	17.3	18.6	Va.....	58.0	34.2	23.7	17.1	16.5	17.9
Kans.....	26.3	14.4	11.9	16.5	16.5	16.6	Wash.....	35.5	20.0	15.5	22.3	21.8	23.0
Ky.....	33.2	21.9	11.3	17.2	16.7	18.1	W. Va.....	22.2	12.5	9.7	17.2	17.0	17.4
La.....	42.9	24.0	18.9	17.3	17.0	17.6	Wis.....	52.9	26.5	24.3	19.3	18.9	19.9
							Wyo.....	7.1	3.9	3.2	21.2	20.4	22.0

Source: National Education Association, Washington, D.C., *Estimates of School Statistics, 1961-82*. (Copyright © 1982 by the National Education Association. All rights reserved.)

NO. 246. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS—CLASSROOM TEACHERS, BY EXPERIENCE AND DEGREES HELD: 1966 TO 1981

[As of spring. Based on sample and subject to sampling variability]

EXPERIENCE AND DEGREE	1969		1971		1979		1981			
	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary	Men	Women
Percent with teaching experience of:										
1-2 years.....	16.2	21.0	15.2	18.5	10.1	12.5	8.0	5.1	3.5	6.2
3-4 years.....	12.2	16.7	16.4	14.7	15.9	15.9	8.7	8.3	5.8	9.5
5-9 years.....	19.8	23.9	21.4	27.7	28.6	29.0	26.2	24.0	22.5	27.9
10-14 years.....	14.1	14.3	14.3	17.2	15.6	19.0	20.5	24.7	23.9	22.4
15-19 years.....	11.0	8.5	10.4	8.9	12.1	12.9	14.5	16.4	16.5	15.0
20 years or more.....	28.7	15.7	22.5	13.7	17.5	10.6	22.1	21.4	27.8	19.0
Median ¹ (years).....	10	7	8	7	8	8	11	12	13	11
Percent, highest degree held:										
No degree.....	12.9	.6	1.0	.4	.6	.6	.2	.3	.2	.2
2-year degree.....			3.6	.7	.1	.4	.2	.1	.2	.1
Bachelor's degree.....	71.4	67.7	74.5	64.2	69.8	53.8	54.8	46.0	37.4	56.3
Master's degree.....	14.9	29.6	20.3	32.5	27.1	41.2	40.1	47.7	54.8	38.9
Professional degree, 6 years.....	.8	1.9	.6	1.4	2.2	3.3	4.6	5.7	6.7	4.3
Doctor's degree.....	-	.3	-	.8	.1	.7	.2	.3	.7	.1

- Represents zero or rounds to zero. ¹ For definition of median, see Guide to Tabular Presentation.
Source: National Education Association, Washington, D.C., *Status of the American Public School Teacher, 1965-66, 1970-71, 1975-76, and 1980-81*. (Copyright © 1967, 1972, 1977, and 1981 by the National Education Association. All rights reserved.)

NO. 247. ELEMENTARY AND SECONDARY SCHOOLS—ENROLLMENT AND TEACHERS, BY TYPE OF CONTROL: 1960 TO 1980, AND PROJECTIONS, 1985 AND 1990

[In thousands, except percent and ratio. As of fall of year. Schools are classified by type of organization, rather than by grade group; elementary includes kindergarten; secondary includes junior high schools. Minus sign (–) denotes decrease]

Item	1960	1965	1970	1975	1979	1979	1980, proj.	1985, proj.	1990, proj.
PUPILS ENROLLED									
Total.....	42,191	48,473	51,272	49,791	47,636	46,679	46,666	44,189	46,667
Annual percent change ¹	3.6	2.8	1.1	.8	–1.5	–2.0	–1.3	–.9	1.1
Elementary.....	29,150	31,570	31,553	29,340	28,749	28,551	27,987	27,338	31,022
Secondary.....	13,031	16,904	19,719	20,451	18,887	18,128	18,108	16,826	15,645
Public.....	36,281	42,173	45,909	44,791	42,550	41,579	40,996	38,168	41,287
Elementary.....	24,350	26,670	27,501	25,640	25,017	24,851	24,287	23,738	27,022
Secondary.....	11,931	15,504	18,408	19,151	17,534	16,728	16,706	15,428	14,265
Private ²	5,900	6,300	5,363	³ 5,000	³ 5,086	5,100	³ 5,100	5,000	5,400
Elementary.....	4,800	4,900	4,052	³ 3,700	³ 3,732	3,700	³ 3,700	3,600	4,000
Secondary.....	1,100	1,400	1,311	³ 1,300	³ 1,353	1,400	³ 1,400	1,400	1,400
CLASSROOM TEACHERS									
Total.....	1,696	1,932	2,066	2,481	2,479	2,466	2,436	2,406	2,642
Annual percent change ¹	4.5	3.9	3.4	1.4	.4	–.9	–.7	–.3	1.9
Elementary.....	991	1,112	1,281	1,352	1,375	1,374	1,362	1,366	1,664
Secondary.....	606	822	1,007	1,069	1,103	1,082	1,077	1,023	988
Public.....	1,406	1,710	2,055	2,196	2,206	2,181	2,163	2,126	2,333
Elementary.....	856	985	1,125	1,180	1,180	1,188	1,175	1,199	1,440
Secondary.....	550	746	927	1,016	1,016	993	988	929	893
Private.....	192	223	233	³ 255	³ 273	³ 275	³ 278	³ 280	³ 300
Elementary.....	133	147	153	³ 172	³ 185	³ 186	³ 187	³ 188	³ 214
Secondary.....	59	76	80	³ 83	³ 87	³ 89	³ 90	³ 94	³ 86
PUPIL-TEACHER RATIO									
Public: Elementary.....	28.4	27.6	24.4	21.7	21.0	20.9	20.7	19.8	18.6
Secondary.....	21.7	20.8	19.9	18.6	17.3	16.8	16.9	16.6	16.0
Private: Elementary.....	36.1	33.3	26.6	21.5	20.2	19.9	19.8	19.4	18.7
Secondary.....	18.6	18.4	18.4	15.7	15.6	15.7	15.7	14.9	14.7

¹Average from prior year shown; for 1960, from 1955. For explanation of average annual percent change, see Guide to Tabular Presentation. ²Data for 1970 and later years have been revised since originally published. ³Estimated.

Source: U.S. National Center for Education Statistics, *Projections of Education Statistics*, biennial; and unpublished data.

NO. 248. PUBLIC SCHOOL EMPLOYMENT, BY OCCUPATION, SEX, AND RACE: 1974 AND 1979

[In thousands. Covers full-time employment. Excludes Hawaii and District of Columbia. Based on sample survey of school districts with 250 or more students; see source for sampling variability]

Occupation	1974					1979				
	Total	Male	Female	White ¹	Black ¹	Total	Male	Female	White ¹	Black ¹
All occupations.....	3,482	1,231	2,221	2,896	433	3,479	1,168	2,311	2,888	463
Officials, administrators.....	39	33	6	36	2	45	36	9	41	3
Principals and assistant principals.....	107	91	16	95	11	103	85	18	90	11
Classroom teachers ²	1,879	679	1,316	1,754	199	1,931	638	1,293	1,883	193
Elementary schools.....	987	165	822	854	111	914	150	764	786	100
Secondary schools.....	886	481	405	799	72	946	447	401	756	72
Other professional staff.....	226	75	151	196	24	239	74	165	205	28
Teachers aides ³	220	16	204	149	49	266	16	250	164	55
Clerical, secretarial staff.....	215	5	210	162	16	222	5	227	201	19
Service workers ⁴	649	331	319	485	131	663	314	349	484	137

¹Excludes individuals of Spanish origin. ²Includes other classroom teachers, not shown separately. ³Includes technicians. ⁴Includes craftworkers and laborers.

Source: U.S. Equal Employment Opportunity Commission, *Job Patterns for Minorities and Women in Elementary/Secondary Schools*, annual.

NO. 249. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS—REVENUE AND EXPENDITURES: 1960 TO 1980

(For years ending June 30. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 487-501)

TYPE OF REVENUE AND EXPENDITURE	TOTAL (bil. dol.)									PERCENT			
	1960	1965	1970	1975	1976	1977	1978	1979	1980 ¹	1960	1970	1975	1980
Revenue, total.....	14.7	25.4	40.3	64.4	71.2	75.3	81.4	88.0	96.8	100.0	100.0	100.0	100.0
Federal sources.....	.7	2.0	3.2	5.8	6.3	6.6	7.7	8.6	9.5	4.4	6.0	9.0	9.8
State sources.....	5.8	9.9	16.1	27.2	31.8	32.7	35.0	40.2	45.3	39.1	39.9	42.2	46.8
Other sources ²	8.3	13.4	21.0	31.4	33.1	36.0	38.7	39.2	42.0	56.5	52.1	48.8	43.4
Expenditures, total.....	15.6	28.2	40.7	64.8	70.6	75.0	80.8	88.0	96.8	100.0	100.0	100.0	100.0
Current.....	12.5	21.7	34.9	57.4	62.6	67.7	73.6	79.4	87.6	79.8	85.7	88.5	91.3
Day schools.....	12.3	21.1	34.2	56.7	62.1	66.9	73.1	79.0	87.0	79.0	84.1	87.5	90.6
Administration.....	.5	.9	1.8	2.7	2.8	3.3	3.9	3.9	4.3	3.4	3.9	4.1	4.4
Instruction ³	8.4	14.4	23.3	36.5	39.7	41.9	45.0	48.4	59.3	53.6	57.2	56.3	55.5
Plant operation and maintenance.....	1.5	2.4	3.5	6.1	6.7	7.3	8.1	8.6	9.7	9.8	8.6	9.5	10.2
Fixed charges.....	.6	1.7	3.3	6.3	7.3	8.1	9.3	10.4	11.8	8.8	8.0	9.7	12.3
Other services.....	1.0	1.8	2.6	5.1	5.6	6.3	6.8	7.7	7.9	6.6	6.3	7.9	8.3
Other current ⁴.....	.1	.6	.6	.7	.8	.9	.6	.4	.8	.9	1.6	1.0	.6
Capital outlay.....	*2.7	3.8	4.7	5.7	6.1	5.3	5.2	5.4	6.5	17.0	11.6	6.8	6.8
Interest.....	.5	.8	1.2	1.7	1.8	2.0	2.0	2.0	1.9	3.1	2.9	2.7	2.0

¹ Preliminary. ² Intermediate and local. Intermediate sources are administrative units or political subdivisions located between school districts and the State. Includes receipts from gifts and tuition, and transportation fees paid by patrons. ³ Includes salaries of clerical assistants, free textbooks, school library books, and supplies. ⁴ Comprises current expenditures for summer schools, adult education, community colleges, and community services. ⁵ Excludes current expenditures for adult education and community colleges. ⁶ Excludes capital outlay by State and local schoolhousing authority.

Sources: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual, and *Revenue and Expenditures for Public Elementary and Secondary Education*, annual.

NO. 250. FINANCES OF PUBLIC SCHOOL SYSTEMS, BY ENROLLMENT-SIZE GROUP¹ 1979 AND 1980

(In millions of dollars, except percent. Based on survey of State and local governments. See Appendix II. Minus sign (—) denotes decrease)

ITEM	1979, all school sys- tems	1980, BY ENROLLMENT-SIZE GROUP						
		All school systems		Over 50,000	25,000 to 50,000	15,000 to 24,999	7,500 to 14,999	Under 7,500 (est.)
		Total	Percent change ²					
General revenue ³	92,218	101,970	10.6	19,764	9,316	6,189	16,513	48,218
Intergovernmental.....	48,743	56,279	15.5	11,911	5,581	4,574	9,048	25,088
From Federal government.....	1,803	1,845	2.6	486	178	135	240	624
From States.....	45,907	53,088	15.6	11,037	5,255	4,459	8,877	23,669
Federal aid distributed by State governments.....	6,531	7,459	14.2	1,981	723	529	1,075	3,170
From local governments.....	1,234	1,547	25.4	408	126	79	130	603
From own sources.....	43,474	45,692	5.1	7,853	3,754	3,486	7,467	23,132
Taxes.....	26,271	29,212	9.9	3,849	2,319	2,075	4,695	16,480
Property.....	27,335	28,089	2.8	3,389	2,224	2,014	4,506	15,956
Contribution from parent government.....	8,755	8,809	.6	3,064	880	728	1,421	2,896
Charges and miscellaneous.....	6,449	7,670	18.9	1,121	751	683	1,352	3,754
General expenditure ⁴	99,672	100,632	11.0	18,686	9,294	6,185	16,481	47,518
Intergovernmental.....	458	470	2.6	87	7	6	67	304
Direct.....	99,114	100,063	11.0	18,699	9,257	6,180	16,414	47,212
Current operation.....	61,883	60,569	10.8	17,841	8,350	7,281	14,702	42,615
Salaries and wages.....	56,587	61,944	9.5	12,567	5,883	5,103	10,184	28,207
Capital outlay.....	6,546	7,517	14.8	1,026	729	719	1,373	3,670
Construction.....	4,536	5,226	15.2	740	548	516	1,006	2,413
Interest on debt.....	1,865	1,957	3.8	332	179	180	338	927
Direct expenditure by level of instruction:								
Elementary and secondary.....	82,827	82,113	11.2	17,718	8,302	7,060	14,677	44,166
Higher education.....	5,401	5,993	11.0	949	777	940	1,189	2,128
Debt outstanding.....	30,406	36,886	.6	5,989	3,682	2,988	6,384	17,933
Long-term.....	35,026	36,406	1.1	5,481	3,363	3,321	6,180	17,100
Short-term.....	1,481	1,280	-14.1	189	140	77	144	722
Long-term debt issued.....	3,252	2,961	-9.8	276	183	245	509	1,767
Long-term debt retired.....	2,885	2,997	3.8	602	248	243	501	1,404
Cash, security holdings, fiscal year-end, excl. employee retirement.....	15,815	16,733	5.8	2,035	1,580	1,662	2,728	8,728

¹ Change from 1979. ² Excludes interschool system transactions.

Source: U.S. Bureau of the Census, *Finances of Public School Systems in 1979-1980*, series GF 80 No. 10, annual.

No. 251 PUBLIC SCHOOL FINANCES, 1975 TO 1981, AND BY STATE, 1981

[In millions of dollars, except as noted. For school years ending in June]

YEAR AND STATE	RECEIPTS						EXPENDITURES					
	Total	Revenue receipts				Non-revenue receipts	Total ¹	Per capita ² (dol.)	Current expenditures			Capital outlay
		Total	Source						Elem. and secondary day schools	Average per pupil in ADA ³		
			Federal	State	Local					Amount (dol.)	Rank	
1975	67,900	64,445	5,812	27,211	31,423	3,454	64,844	304	56,650	1,384	(x)	5,746
1976	74,594	71,206	6,318	31,778	33,112	3,926	70,801	328	62,054	1,504	(x)	6,146
1977	79,249	75,323	6,829	32,689	36,004	3,926	75,014	345	66,864	1,638	(x)	5,344
1978	84,989	81,440	7,099	35,006	38,736	3,529	80,844	368	70,951	1,823	(x)	5,246
1979	91,890	88,057	8,543	40,246	39,188	3,633	86,712	390	76,951	2,021	(x)	5,448
1980	100,554	96,881	9,504	45,349	42,029	3,674	95,862	427	86,864	2,275	(x)	6,508
1981, total ⁴	103,898	99,841	9,419	48,774	44,657	3,828	98,489	434	90,907	2,380	(x)	6,721
Ala.	1,087	1,057	147	698	211	40	1,085	279	987	1,384	51	82
Alaska	408	408	11	323	72	-	477	1,183	404	5,010	1	57
Ariz.	1,144	1,144	99	601	444	-	1,104	404	925	1,914	146	146
Ark.	763	722	104	371	247	41	769	334	658	1,571	46	90
Calif.	11,371	11,271	1,079	7,384	2,808	100	11,057	486	10,494	2,584	18	422
Colo.	1,831	1,536	91	640	806	66	1,532	528	1,352	2,656	13	112
Conn.	1,415	1,411	78	396	935	4	1,374	441	1,326	2,897	12	24
Del.	321	318	38	211	68	5	270	453	250	2,781	9	8
D.C.	329	329	54	00	276	-	318	499	317	3,682	2	2
Fla.	3,379	3,319	347	1,841	1,125	66	3,360	350	3,143	2,282	23	237
Ga.	2,087	2,073	296	1,136	666	15	1,946	355	1,626	1,852	27	275
Hawaii	350	329	52	269	8	21	355	366	315	2,121	28	38
Idaho	489	482	32	276	152	26	392	414	338	1,780	43	46
Ill.	5,739	5,133	456	1,882	2,785	606	4,819	404	4,237	2,441	22	261
Ind.	2,024	1,980	130	1,082	748	64	1,943	354	1,677	1,783	42	240
Iowa	1,486	1,461	83	570	797	25	1,397	480	1,273	2,580	17	101
Kans.	1,109	1,064	75	455	534	46	1,079	456	963	2,714	11	72
Ky.	1,306	1,248	155	656	237	60	1,050	287	962	1,569	47	48
La.	1,603	1,540	230	860	460	63	1,518	359	1,400	1,872	38	83
Maine	484	469	36	229	202	15	473	421	423	2,055	32	27
Md.	1,884	1,884	104	859	1,120	(2)	1,818	430	1,663	2,541	19	93
Mass.	3,254	3,244	184	1,112	1,848	9	3,039	529	2,915	3,174	4	36
Mich.	4,751	4,608	243	1,393	2,970	145	4,729	511	4,215	2,481	21	262
Minn.	2,366	2,251	132	1,275	844	115	2,030	497	1,752	2,484	20	177
Miss.	780	755	129	449	177	25	762	302	690	1,596	49	63
Mo.	1,969	1,924	181	742	1,000	66	1,759	357	1,616	2,079	30	89
Mont.	457	443	41	208	194	14	466	591	413	2,948	6	38
Nebr.	638	624	42	112	470	12	583	371	556	2,105	29	14
Nev.	446	391	19	167	198	11	375	466	306	2,179	26	54
NH.	358	343	24	32	267	15	342	371	326	2,033	33	9
N.J.	3,600	3,740	129	1,254	2,357	61	3,655	496	3,176	2,791	8	41
N. Mex.	663	644	88	450	107	18	706	366	572	2,219	25	123
N.Y.	9,982	9,720	466	3,865	5,300	262	9,251	529	8,496	3,358	3	350
N.C.	2,116	2,071	280	1,325	466	45	2,219	377	2,100	1,992	37	105
N. Dak.	281	264	22	119	123	17	250	362	230	2,082	31	16
Ohio	4,553	4,217	347	1,711	2,160	336	4,096	379	3,867	2,143	27	93
Okla.	1,270	1,166	140	625	420	85	1,259	414	1,094	2,007	35	138
Oreg.	1,363	1,334	90	442	803	49	1,473	658	1,273	3,049	5	167
Pa.	5,425	5,228	418	2,293	2,517	200	5,232	440	4,864	2,798	7	200
R.I.	383	383	24	132	236	1	383	362	362	2,559	16	5
S.C.	1,041	1,006	170	499	335	36	1,027	329	906	1,580	48	11
S. Dak.	291	285	36	77	172	6	274	396	239	1,996	36	29
Tenn.	1,373	1,256	176	537	543	117	1,337	291	1,176	1,458	50	136
Tex.	6,202	6,019	687	2,748	2,604	183	6,136	531	5,109	1,955	39	622
Utah	800	712	54	384	273	68	762	531	562	1,742	44	182
Vt.	232	229	17	61	151	3	195	362	183	2,017	34	9
Va.	2,437	2,343	230	932	1,182	93	2,367	441	2,072	2,223	24	206
Wash.	2,292	2,145	140	1,039	365	148	2,519	607	1,899	2,653	14	557
W. Va.	784	734	83	425	226	30	740	379	661	1,816	41	55
Wis.	2,547	2,299	163	620	1,306	268	2,166	441	2,001	2,789	10	101
Wyo.	365	335	20	113	202	30	335	706	255	2,596	15	69

Represents zero. X Not applicable. Z Less than \$500,000. Includes interest on school debt and expenditures for auxiliary schools, adult education, community services, and community colleges and technical institutes under the jurisdiction of local boards of education, not shown separately. Based on Bureau of the Census estimated resident population, as of July 1, 1980. ² Average daily attendance. ³ Estimated.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual, and unpublished data.

No. 252. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS—TOTAL REVENUES, REVENUES FROM THE FEDERAL GOVERNMENT, AND TITLE I, BY STATE: 1980

(In millions of dollars, except percent. For school year ending in year shown. Title I of the Elementary and Secondary Education Act of 1965 provides for financial assistance to local education agencies serving areas with concentrations of children from low-income families to expand and improve their educational programs which contribute particularly to meeting the special needs of educationally deprived children)

STATE	Total revenue re- ceipts	RECEIPTS FROM FEDERAL GOVERNMENT			STATE	Total revenue re- ceipts	RECEIPTS FROM FEDERAL GOVERNMENT		
		Total	Title I REVENUE				Total	Title I REVENUE	
			Total	Per- cent of total				Total	Per- cent of total
U.S.	96,881	5,504	3,355	35.3	Mo.	1,771	188	50	28.6
Ala.	1,210	147	87	59.2	Mont.	401	38	11	28.0
Alaska	417	38	12	30.8	Nebr.	647	49	15	32.7
Ariz.	1,213	148	35	23.6	Nev.	302	20	5	25.0
Ark.	693	115	57	49.6	N.H.	328	22	4	18.2
Calif.	10,314	1,098	380	32.8	N.J.	4,119	271	95	35.1
Colo.	1,488	97	35	36.1	N. Mex.	621	103	29	28.2
Conn.	1,217	88	26	30.2	N.Y.	9,479	777	322	41.4
					N.C.	2,013	278	108	38.8
Del.	298	37	10	27.0	N. Dak.	270	30	8	29.7
D.C.	311	68	20	29.4	Ohio	4,345	334	122	36.6
Fla.	3,265	398	120	32.6	Okl.	1,246	175	38	21.7
Ga.	1,830	272	81	29.8	Oreg.	1,227	118	38	32.2
Hawaii	365	58	14	25.0	Pa.	5,163	511	170	33.3
Idaho	360	34	11	32.4	R.I.	385	38	14	36.8
Ill.	4,814	385	168	43.1	S.C.	987	176	56	31.3
Ind.	1,834	181	31	19.3	S. Dak.	274	42	11	25.2
Iowa	1,304	83	27	32.5	Tenn.	1,274	196	79	40.3
Kan.	1,043	72	24	33.3	Tex.	5,862	680	295	43.4
Ky.	1,092	178	56	32.0	Utah	653	55	3	5.5
La.	1,625	223	94	42.2	Vt.	219	19	7	36.8
Maine	408	41	10	24.4	Va.	2,118	233	68	28.3
Md.	1,991	169	51	30.2	Wash.	2,132	192	37	19.3
Mass.	3,248	210	99	47.1	W. Va.	735	82	29	35.4
Mich.	4,880	349	146	41.8	Wis.	2,109	118	45	38.1
Minn.	2,113	124	47	37.9	Wyo.	285	15	5	33.3
Miss.	729	183	74	40.4					

No. 253. SCHOOL RETENTION RATES—FIFTH GRADE THROUGH COLLEGE ENTRANCE: 1942-1950 TO 1972-1980

(Prior to 1962, excludes Alaska and Hawaii. Rates for the 5th grade through high school graduation are based on enrollments in successive grades in successive years in public elementary and secondary schools, and are adjusted to include estimates for private schools. See also *Historical Statistics, Colonial Times to 1970*, series H 567-597)

YEAR OF ENTRANCE INTO 5TH GRADE	RETENTION PER 1,000 PUPILS WHO ENTERED 5TH GRADE								High school gradu- ates	Year of high school gradu- ation	First- time college stu- dents ¹
	5th grade	6th grade	7th grade	8th grade	9th grade	10th grade	11th grade	12th grade			
1942	1,000	954	909	847	807	713	604	539	505	1950	205
1944	1,000	952	929	858	848	746	650	549	522	1952	234
1946	1,000	954	945	919	872	775	641	583	553	1954	283
1948	1,000	954	956	929	883	795	706	619	581	1956	301
1950	1,000	981	986	921	886	809	709	632	582	1958	308
1952	1,000	974	985	936	904	835	746	667	621	1960	326
1954	1,000	980	979	948	915	855	759	684	642	1962	343
1956	1,000	985	984	948	930	871	790	728	676	1964	362
1958	1,000	983	979	981	946	908	842	781	732	1966	384
1960	1,000	980	973	987	962	913	858	787	749	1968	452
1962	1,000	987	977	987	959	928	880	790	750	1970	461
1964	1,000	988	985	976	975	942	885	791	746	1972	433
1966	1,000	986	983	980	980	947	874	786	749	1973	433
1968	1,000	989	988	985	985	959	871	783	744	1974	448
1967	1,000	982	988	984	984	958	870	775	743	1975	452
1969	1,000	982	982	981	983	956	868	766	749	1976	435
1969	1,000	990	986	986	984	959	876	789	744	1977	(NA)
1970	1,000	990	990	988	982	965	861	797	744	1978	440
1971	1,000	981	989	989	985	978	874	784	743	1979	451
1972	1,000	988	988	984	984	984	885	788	744	1980	463

NA Not available. ¹ Degree credit only

Source of tables 252 and 253: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 254. PUBLIC AND PRIVATE HIGH SCHOOL GRADUATES—STATES: 1975 AND 1980

[In thousands. Excludes graduates of subcollegiate departments of higher education, Federal schools for Indians, Federal schools on Federal installations, and residential schools for exceptional children. See Appendix III]

STATE	PUBLIC		PRIVATE		STATE	PUBLIC		PRIVATE	
	1975	1980	1975	1980 ¹		1975	1980	1975	1980 ¹
U.S.	2,222.0	2,788.6	310.0	288.4	Missouri	82.4	82.3	9.0	7.6
Alabama	48.6	45.2	3.4	3.9	Montana	12.3	12.1	1.2	.8
Alaska	4.2	5.2	.1	.2	Nebraska	22.2	22.4	2.7	3.0
Arizona	25.7	28.9	1.8	1.8	Nevada	7.2	8.5	.3	.3
Arkansas	28.8	29.1	.8	1.1	New Hampshire	11.1	*11.7	1.9	2.2
California	*273.4	258.0	21.9	24.9	New Jersey	98.0	*94.6	18.9	14.5
Colorado	35.0	38.8	1.9	1.9	New Mexico	18.4	18.4	.8	.9
Connecticut	42.8	37.7	7.9	8.7	New York	*211.3	204.3	42.8	32.5
Delaware	8.2	7.8	1.3	1.5	North Carolina	70.1	70.9	2.1	2.8
District of Columbia	5.4	5.0	1.4	1.8	North Dakota	10.7	9.9	.7	.7
Florida	86.5	87.3	6.4	10.4	Ohio	158.2	144.2	18.7	15.8
Georgia	59.8	61.6	2.4	5.4	Oklahoma	37.8	39.3	.9	1.0
Hawaii	11.3	11.5	2.3	2.8	Oregon	30.7	29.9	1.5	1.8
Idaho	12.6	13.2	.2	.3	Pennsylvania	183.1	148.5	30.8	26.8
Illinois	*141.3	135.8	25.5	20.8	Rhode Island	11.0	10.9	2.0	2.1
Indiana	74.0	73.1	5.4	5.4	South Carolina	*38.3	*38.7	2.4	2.7
Iowa	43.0	43.4	4.5	3.8	South Dakota	11.7	10.7	.7	.8
Kansas	32.5	30.9	2.0	1.8	Tennessee	48.4	49.8	3.0	5.4
Kentucky	42.4	41.2	4.0	4.5	Texas	159.5	171.4	4.8	7.3
Louisiana	47.7	48.3	9.2	9.9	Utah	19.7	20.0	.3	.5
Maine	14.8	15.4	1.8	1.9	Vermont	6.5	*6.5	1.4	.9
Maryland	55.4	54.3	6.9	7.1	Virginia	85.6	86.6	4.4	4.5
Massachusetts	*78.0	73.8	15.0	12.9	Washington	51.0	50.4	2.7	3.1
Michigan	135.5	124.3	15.9	13.5	West Virginia	24.8	23.4	.8	.9
Minnesota	89.5	*84.9	4.8	4.5	Wisconsin	71.0	69.3	7.5	7.0
Mississippi	27.2	27.6	3.6	3.7	Wyoming	5.8	6.1	.1	.2

¹ Preliminary. ² Includes graduates of regular day school and other programs. ³ Estimated. ⁴ Data reflect the number of diplomas ordered from the Office of Accreditation and Administration from July 1, 1979 through June 30, 1980.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 255. SCHOLASTIC APTITUDE TEST (SAT) SCORES AND CHARACTERISTICS OF COLLEGE BOUND SENIORS: 1967 TO 1981

TYPE OF TEST AND CHARACTERISTIC	Unit	1967	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
TEST SCORES ¹												
Verbal, total ²	Point	488	480	445	444	434	431	429	429	427	424	424
Male	Point	483	459	446	447	437	433	431	433	431	428	430
Female	Point	488	481	443	442	431	430	427	426	423	420	418
Math, total ²	Point	492	488	481	480	472	472	470	468	467	466	466
Male	Point	514	509	502	501	485	487	487	484	483	481	482
Female	Point	457	485	480	459	449	448	445	444	443	443	443
PARTICIPANTS												
Sex:												
Male	Percent	(NA)	(NA)	51.0	50.1	49.9	49.5	48.9	48.4	48.3	48.2	48.0
Female	Percent	(NA)	(NA)	49.0	49.9	50.1	50.5	51.1	51.6	51.7	51.8	52.0
Obtaining scores ¹ of—												
600 or above:												
Verbal	Percent	(NA)	(NA)	9.7	10.0	7.9	8.0	8.0	7.9	7.7	7.2	7.0
Math	Percent	(NA)	(NA)	16.7	17.2	15.8	16.3	16.1	15.8	15.0	15.1	14.4
Below 400:												
Verbal	Percent	(NA)	(NA)	34.8	35.4	37.8	38.7	39.1	39.8	40.7	41.8	41.6
Math	Percent	(NA)	(NA)	24.3	25.5	28.5	29.1	29.7	29.8	29.9	30.2	29.5
Selected intended area of study:												
Business and commerce	Percent	(NA)	(NA)	10	10	11.5	12.6	14.3	16.3	17.8	18.6	18.5
Health and medical	Percent	(NA)	(NA)	(NA)	(NA)	(NA)	17.9	17.6	18.4	15.5	14.7	14.4
Engineering	Percent	(NA)	(NA)	6	5	6.7	6.4	6.8	9.4	10.1	11.1	11.8
Social science	Percent	(NA)	(NA)	(NA)	(NA)	7.7	8.8	8.2	9.0	8.2	7.8	7.4
Education	Percent	(NA)	(NA)	10	8	9.1	8.7	8.1	7.2	6.5	6.1	5.7
SAT average ¹ by high school rank:												
Top tenth	Point	(NA)	(NA)	(NA)	(NA)	(NA)	552	546	543	541	539	539
Second tenth	Point	(NA)	(NA)	(NA)	(NA)	(NA)	478	476	472	471	470	472
Second fifth	Point	(NA)	(NA)	(NA)	(NA)	(NA)	434	434	433	432	431	433
Third fifth	Point	(NA)	(NA)	(NA)	(NA)	(NA)	386	387	386	386	386	387

NA Not available. ¹ Minimum score, 200; maximum score, 600. ² 1967 and 1970 are estimates based on total number of persons taking SAT.

Source: College Entrance Examination Board, New York, N.Y., *National Report on College-Bound Seniors*, annual. (Copyright)

No. 256. HIGH SCHOOL GRADUATES NOT ENROLLED IN COLLEGE AND SCHOOL DROPOUTS—
EMPLOYMENT STATUS, BY SEX AND RACE: 1965 TO 1981

[In thousands of persons 16 to 21 years old, except percent. As of October. High school graduates: Persons not enrolled in college and includes those who attended college prior to survey date; Dropouts: Persons not in regular school and not high school graduates. Based on samples and subject to sampling variability]

EMPLOYMENT STATUS, SEX, AND RACE	GRADUATES					DROPOUTS				
	1965 ¹	1970 ¹	1975 ²	1980 ²	1981 ²	1965 ¹	1970 ¹	1975 ²	1980 ²	1981 ²
Civilian population ³	4,888	5,823	7,254	7,708	7,388	2,988	2,757	3,317	3,377	3,244
In labor force.....	3,769	4,566	6,008	6,646	6,387	1,863	1,811	2,029	2,246	2,207
Employed.....	3,451	4,038	5,111	5,805	5,450	1,585	1,264	1,449	1,636	1,543
Male.....	1,512	1,730	2,573	2,833	2,701	1,105	805	989	1,077	1,060
Female.....	1,939	2,308	2,538	2,973	2,749	480	459	480	559	483
White.....	3,116	3,636	4,653	5,211	4,912	1,266	1,011	1,216	1,426	1,372
Black and other.....	335	402	454	433	472	319	253	232	179	146
Unemployed.....	318	528	897	841	937	278	347	580	613	664
Percent of labor force.....	8.4	11.6	14.9	12.7	14.7	14.9	21.5	28.6	27.3	30.1
Male.....	105	236	450	465	440	160	219	336	371	395
Female.....	213	292	447	376	497	118	128	244	242	269
White.....	259	429	715	624	670	203	232	419	434	473
Black and other.....	59	99	185	207	254	75	115	161	151	176
Not in labor force.....	1,129	1,257	1,246	1,062	979	1,123	1,146	1,289	1,128	1,037

¹Data not strictly comparable with data for subsequent years. ²Population controls based on 1990 census; see text, p. 2.
³Noninstitutional. ⁴Data are for Black only.

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Report*, Nos. 66, 131, unpublished data, and *Monthly Labor Review*, October 1982.

No. 257. HIGH SCHOOL DROPOUTS 14 TO 24 YEARS OLD, BY RACE AND AGE: 1968 TO 1981

[As of October. See headnote, table 256. Total dropouts include races not shown separately]

RACE AND AGE	NUMBER OF DROPOUTS (1,000)							PERCENT OF POPULATION				
	1968	1970	1975	1979	1980	1981 ¹	1981 ²	1968	1970	1975	1980 ¹	1981 ¹
Total dropouts ³	4,888	4,670	4,974	5,408	5,212	5,101	5,286	13.1	12.2	11.5	12.0	11.5
16-17 years.....	568	617	715	704	709	598	622	7.8	8.0	8.6	8.8	7.7
18-21 years.....	2,163	2,138	2,557	2,738	2,578	2,554	2,621	17.1	16.4	16.3	15.8	15.8
22-24 years.....	1,768	1,770	1,553	1,622	1,798	1,805	1,869	22.3	18.7	14.5	15.2	15.1
White ³	3,685	3,577	3,881	4,888	4,198	4,081	4,218	11.9	10.8	10.8	11.3	11.3
16-17 years.....	453	465	594	595	819	499	517	7.2	7.3	8.4	9.2	7.7
18-21 years.....	1,711	1,618	1,960	2,149	2,032	2,047	2,057	15.6	14.3	14.7	14.7	14.9
22-24 years.....	1,396	1,356	1,189	1,422	1,416	1,434	1,503	20.1	16.3	12.6	14.0	14.0
Black ³	932	1,047	1,024	1,016	934	897	944	21.9	22.2	18.5	16.0	15.4
16-17 years.....	110	125	116	92	80	90	92	12.2	12.8	10.2	6.9	7.9
18-21 years.....	437	500	540	534	466	449	473	28.6	30.5	27.0	23.0	21.1
22-24 years.....	382	397	337	381	348	327	348	40.5	37.8	27.8	24.0	22.3

¹Population controls based on the 1970 census, see text, p. 2. ²Population controls based on the 1980 census; see text, p. 2.
³Includes other age groups not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 104 and earlier reports; and unpublished data.

No. 258. HIGH SCHOOL AND COLLEGE GRADUATES, BY SEX AND CONTROL: 1950 TO 1980

[In thousands, except percent. Prior to 1980, excludes Alaska and Hawaii. See also table 277; Appendix III; and *Historical Statistics, Colonial Times to 1970*, series H 598-601 and H 752-756]

YEAR OF GRADUATION	HIGH SCHOOL GRADUATES						COLLEGE GRADUATES ²				
	Total		Sex		Control		Bachelor's degrees ³				Master's and doctor's degree ⁴
	Number	Percent of persons 18 years old ¹	Male	Female	Public	Private, est.	Total	Per 100 high school graduates 4 yrs. earlier	Male	Female	
1950.....	1,200	58.0	571	629	(NA)	(NA)	432	40	329	103	65
1955.....	1,351	64.6	648	703	1,208	143	286	24	163	103	67
1960.....	1,664	72.4	980	986	1,633	231	382	28	254	138	84
1965.....	2,665	70.8	1,314	1,351	2,386	298	501	25	286	213	162
1970.....	2,598	77.1	1,433	1,483	2,586	300	793	30	451	341	273
1975.....	3,140	74.3	1,545	1,595	2,830	310	923	31	505	416	382
1976.....	3,155	74.4	1,554	1,601	2,844	311	926	31	505	421	408
1977.....	3,161	74.3	1,560	1,611	2,846	315	920	30	498	424	414
1978.....	3,134	73.8	1,534	1,600	2,832	302	921	30	487	424	410
1979.....	3,124	72.7	1,526	1,595	2,824	300	921	29	477	444	408
1980.....	3,083	71.4	1,502	1,581	2,784	298	920	29	474	456	401

NA Not available. ¹Based on estimated resident population as of July 1. ²Data cover public and private institutions.
³Through 1965, bachelor's or first professional degree; thereafter, bachelor's degree only. ⁴Beginning 1965, includes first professional degree.

Source: U.S. National Center for Education Statistics, *Projections of Education Statistics*, biennial.

NO. 260. COLLEGE ENROLLMENT OF PERSONS 18-24 YEARS OLD, AND PERCENT OF HIGH SCHOOL GRADUATES, BY SEX AND RACE: 1960 TO 1981

[In thousands, except percent. Except as noted, as of October. Covers civilian noninstitutional population]

YEAR	ALL PERSONS			MALE			FEMALE		
	Total ¹	White	Black	Total ¹	White	Black	Total ¹	White	Black
College enrollment:									
1960 ²	2,215	2,081	³ 134	1,334	1,289	⁴ 65	880	811	⁴ 69
1970	5,805	5,305	418	3,331	3,096	192	2,474	2,209	225
1975	6,835	6,116	665	3,693	3,326	294	3,243	2,790	372
1980	7,226	6,334	688	3,804	3,224	278	3,625	3,110	410
1981 ⁵	7,405	6,445	717	3,724	3,278	308	3,680	3,186	411
1981 ⁶	7,575	6,549	750	3,833	3,340	325	3,741	3,208	424
Percent of high school graduates enrolled:									
1960 ²	23.7	24.2	³ 18.4	30.3	31.1	⁴ 20.8	17.8	17.9	⁴ 16.5
1970	32.7	33.2	26.0	41.2	42.3	28.7	25.6	25.6	24.1
1975	32.5	32.4	32.0	38.2	38.4	32.8	29.2	28.6	31.5
1980	31.8	32.0	27.8	33.5	34.0	26.4	30.3	30.2	26.8
1981 ⁵	32.6	32.8	28.2	34.8	34.9	26.5	30.7	30.6	26.0
1981 ⁶	32.5	32.5	28.0	34.7	34.7	26.2	30.4	30.5	27.8

¹Includes other races, not shown separately. ²As of April. ³Includes Black and other races. ⁴Population controls based on the 1970 census, see text, p. 2. ⁵Population controls based on the 1980 census; see text, p. 2.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1980*, vol. 1, *Characteristics of the Population*, part 1, *Current Population Reports*, series P-20, Nos. 222, 303, 362, and unpublished data.

NO. 260. HIGHER EDUCATION—SUMMARY: 1960 TO 1980

[Institutions and enrollment as of fall. Finances for fiscal year ending in the following year. Covers universities, colleges, professional schools, junior and teachers colleges, and normal schools, both publicly and privately controlled, regular session. Includes estimates for institutions not reporting. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 680, H 689-705, and H 710]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980
Institutions ¹	Number	1,958	2,230	2,586	2,786	3,048	3,086	3,134	3,182	3,231
4-year	Number	1,447	1,551	1,665	1,767	1,913	1,938	1,941	1,957	1,957
2-year	Number	521	679	891	999	1,133	1,157	1,193	1,195	1,274
Resident staff	1,000	278	412	573	781	799	812	808	823	846
Instructor or above	1,000	238	340	474	826	833	850	847	857	878
Percent full-time	Percent	65.3	72.9	77.8	70.1	68.8	68.8	68.8	68.8	68.7
Total enrollment ²	1,000	3,789	5,921	8,581	11,186	11,012	11,286	11,280	11,570	12,087
Degree credit	1,000	3,583	5,526	7,920	9,731	(NA)	(NA)	(NA)	(NA)	(NA)
Male	1,000	2,257	3,375	4,837	5,321	5,811	5,789	5,841	5,883	5,874
Female	1,000	1,326	2,152	3,284	4,410	5,201	5,497	5,619	5,687	6,223
4-year institutions	1,000	3,131	4,685	6,290	7,223	7,129	7,243	7,232	7,353	7,571
2-year institutions	1,000	451	841	1,630	2,508	3,883	4,043	4,026	4,217	4,526
Full-time	1,000	2,466	3,910	5,489	6,147	6,717	6,793	6,666	6,794	7,068
Part-time	1,000	1,117	1,616	2,431	3,584	4,295	4,493	4,592	4,778	4,998
Public	1,000	2,118	3,824	5,800	7,426	8,653	8,847	8,786	9,037	9,457
Private	1,000	1,467	1,902	2,120	2,306	2,359	2,439	2,474	2,533	2,640
Graduate	1,000	³ 356	687	1,031	1,283	1,085	1,085	1,061	1,070	1,100
Undergraduates ⁴	1,000	3,227	4,829	6,889	8,468	9,927	10,201	10,179	10,500	10,987
Male	1,000	2,004	2,910	4,005	4,821	5,209	5,183	5,057	5,116	5,303
Female	1,000	1,223	1,919	2,884	3,647	4,719	5,008	5,122	5,384	5,684
1st time freshmen	1,000	823	1,442	1,780	1,910	2,347	2,384	2,390	2,603	2,780
4-year institutions	1,000	2,778	3,988	5,259	5,900	6,045	6,158	6,152	6,285	6,472
Full-time	1,000	2,077	3,159	4,234	4,619	4,622	4,703	4,676	4,766	4,897
Part-time	1,000	699	829	1,025	1,341	1,423	1,456	1,474	1,517	1,574
2-year institutions	1,000	451	841	1,630	2,508	3,883	4,043	4,026	4,215	4,526
Public	1,000	1,929	3,184	5,076	6,520	7,924	8,126	8,083	8,337	8,747
Private	1,000	1,298	1,645	1,813	1,948	2,003	2,073	2,066	2,163	2,251
Nondegree credit	1,000	206	395	651	1,453	(NA)	(NA)	(NA)	(NA)	(NA)
Current funds revenues ⁵	ML. dol.	12,734	23,879	38,703	43,437	47,894	51,838	58,520		
Educational and general ⁶	ML. dol.	10,285	18,392	(X)	(X)	(X)	(X)	(X)		
Tuition and fees	ML. dol.	2,670	5,021	8,172	9,025	9,855	10,704	11,830		
Federal government	ML. dol.	2,654	2,739	5,414	5,730	6,113	6,844	7,772		
State government	ML. dol.	2,984	6,589	12,261	13,286	14,746	16,364	18,378		
Auxiliary enterprises	ML. dol.	2,139	3,125	4,548	4,920	5,326	5,741	6,481		
Other funds revenues ⁷	ML. dol.	(NA)	1,653	4,442	5,201	5,212	6,100	7,146		
Plant funds ⁸	ML. dol.	3,484	(NA)	3,910	3,417	3,293	3,676	4,362		(NA)
Increase in fund balance ⁹	ML. dol.	(NA)	683	498	959	1,117	1,032	1,373	2,153	
Current funds expenditures ¹⁰	ML. dol.	13,599	23,375	38,903	42,800	45,791	50,721	58,914		
Educational and general ¹¹	ML. dol.	9,951	17,616	30,588	33,152	36,257	39,833	44,543		
Auxiliary enterprises and activities	ML. dol.	1,666	2,988	4,477	4,658	5,261	5,750	6,486		
Gross addition to plant value	ML. dol.	3,125	2,165	4,702	4,623	4,527	4,576	5,551		
Value of plant	ML. dol.	26,851	46,064	66,348	70,739	74,771	78,638	83,733		
Endowment (book value)	ML. dol.	8,796	11,341	13,952	14,747	15,568	16,804	18,581		

NA Not available. X Not applicable. ¹Beginning 1976, number of institutions includes count of branch campuses. ²Beginning 1976, branch campuses counted according to actual status, e.g., 2-year branch in 2-year category; previously a 2-year branch included in university category. ³Includes resident only. ⁴Includes first-professional enrollment and unclassified students. ⁵Includes items not shown separately. ⁶Beginning 1970, includes "major public service programs" previously reported under "Educational and general." ⁷Beginning 1975, annual net increase in plant funds. ⁸Includes endowment, and, beginning 1975, annuity and student loans. See table 281. ⁹Beginning 1975, not strictly comparable with earlier years.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual, and unpublished data.

No. 261. COLLEGE ENROLLMENT, BY SEX AND RACE: 1960 TO 1981

[In thousands, except percent. As of October. Covers civilian noninstitutional population. Degree-credit enrollment only]

PERSONS 14-24 YEARS OLD	1960	1965	1970	1975	1977	1978	1979	1980	1981 ¹	1981 ²	PERCENT			
											1960	1970	1980	1981 ³
Total ⁴	3,670	5,675	7,413	9,967	10,217	9,836	9,676	10,160	10,437	10,734	100.0	100.0	100.0	100.0
Male	2,332	3,509	4,401	5,342	5,369	5,124	4,993	5,025	5,193	5,372	65.5	59.4	49.4	49.9
18-24	1,846	2,721	3,331	3,893	3,712	3,621	3,508	3,604	3,724	3,833	48.2	44.9	36.4	35.7
25-34	582	689	840	1,521	1,546	1,396	1,358	1,325	1,375	1,442	16.6	12.7	13.0	13.2
Female	1,231	2,172	3,013	4,365	4,848	4,714	4,686	5,155	5,244	5,363	34.5	40.6	50.6	50.2
18-24	650	1,780	2,474	3,243	3,431	3,373	3,482	3,625	3,880	3,741	26.6	33.4	35.8	35.3
25-34	156	261	409	947	1,255	1,173	1,319	1,378	1,431	1,485	4.4	5.5	13.5	13.7
White	3,342	5,317	6,750	8,516	8,612	8,514	8,709	8,875	8,983	9,162	93.6	91.2	87.2	88.1
Male	2,214	3,328	4,088	4,774	4,717	4,508	4,400	4,438	4,514	4,620	62.0	54.8	43.8	43.2
Female	1,126	1,989	2,663	3,743	4,095	4,006	4,309	4,437	4,469	4,543	31.6	36.3	43.6	42.8
Black	227	274	522	945	1,103	1,020	1,002	1,007	1,080	1,133	6.4	7.0	9.9	10.3
Male	128	128	253	442	490	452	434	437	474	505	3.5	3.4	4.3	4.5
Female	102	146	269	506	614	568	568	570	606	628	2.9	3.6	5.6	5.8

¹Population controls based on the 1970 Census. ²Population controls based on the 1980 census, see text, p. 2.³Includes other races, not shown separately. ⁴Includes races other than White.Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 362, earlier reports, and unpublished data.

No. 262. JUNIOR (TWO-YEAR) COLLEGES—SUMMARY: 1960 TO 1980

[Institutions and their enrollment as of fall; financial data for fiscal year ending the following year. Prior to 1974, excludes two-year branches of universities and other four-year institutions. 1980 covers degree-credit students only. See *Historical Statistics, Colonial Times to 1970*, series H 690-692 and H 705, for related but not comparable data. See also Appendix B]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
Institutions	Number	621	879	992	1,139	1,129	1,131	1,155	1,199	1,199	1,266
Public	Number	315	420	654	697	667	904	920	922	925	941
Private	Number	206	259	238	242	231	227	235	266	266	325
Enrollment	1,000	451	1,173	2,223	3,404	3,970	3,883	4,043	4,039	4,217	4,899
Public	1,000	392	1,041	2,102	3,338	3,838	3,752	3,902	3,674	4,057	4,329
Private	1,000	59	132	121	116	134	132	141	154	160	199
Male	1,000	262	734	1,317	1,832	2,166	1,960	1,995	1,995	1,922	2,047
Female	1,000	189	439	906	1,572	1,805	1,903	2,076	2,143	2,295	2,479
Current funds revenue ¹	ML dol	(NA)	674	2,304	4,848	5,354	5,751	6,351	6,742	7,397	(NA)
Tuition and fees	ML dol	(NA)	166	413	739	899	1,022	1,099	1,161	1,302	(NA)
State government	ML dol	(NA)	242	916	1,996	2,248	2,477	2,726	3,140	3,635	(NA)
Local government	ML dol	(NA)	237	700	1,187	1,187	1,275	1,406	1,210	1,166	(NA)
Current funds expenditures	ML dol	(NA)	619	2,327	4,461	5,092	5,548	6,072	6,599	7,253	(NA)
Education and general and mandatory transfers	ML dol	(NA)	672	2,073	4,148	4,736	5,186	5,681	6,107	6,711	(NA)
Instruction	ML dol	(NA)	391	1,205	2,128	2,401	2,598	2,818	3,007	3,315	(NA)

NA Not available. ¹Includes items not shown separately.Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual; and *Financial Statistics of Institutions of Higher Education*, annual.

No. 263. COLLEGE ENROLLMENT OF HIGH SCHOOL GRADUATES WHO ARE DEPENDENT FAMILY MEMBERS, 18 TO 24 YEARS OLD, BY FAMILY INCOME: 1981

[In thousands, except percent. As of October. Covers civilian noninstitutional population. Degree creditable enrollment. A dependent family member is a relative of the person maintaining the family other than the spouse. Such persons are generally sons and daughters within the family. Based on Current Population Survey, see text, p. 2]

INCOME CLASS	ALL RACES ¹			WHITE			BLACK		
	Total	In college		Total	In college		Total	In college	
		Number	Per cent		Number	Per cent		Number	Per cent
All income levels	13,864	5,918	44.9	11,019	3,983	48.1	1,974	622	31.5
Under \$10,000	1,895	540	28.5	1,004	318	31.7	843	111	24.1
\$10,000 to \$14,999	1,589	560	36.5	1,186	436	36.8	390	110	31.4
\$15,000 to \$19,999	1,481	558	38.3	1,182	430	37.1	340	92	36.3
\$20,000 to \$24,999	1,750	753	43.0	1,554	659	42.4	155	65	41.9
\$25,000 and over	5,899	3,103	52.8	5,455	2,899	53.1	295	116	43.0
Not reported	785	391	49.8	666	339	51.5	129	37	30.3

¹Includes other races, not shown separately.Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 380, and unpublished data.

**No. 264. INSTITUTIONS OF HIGHER EDUCATION—NUMBER, 1961 AND ENROLLMENT, 1970 AND 1961,
SELECTED CHARACTERISTICS, STATES AND OTHER AREAS**

(Number of institutions for academic year beginning 1961. Opening fall enrollment of resident and extension students attending full-time or part-time. Excludes students taking courses at home for credit, by mail, radio, or TV, and students in branches of U.S. institutions operated in foreign countries. See Appendix B)

STATE OR OTHER AREA	1970		Number of institutions ¹	1961							
	Total enrollment (1,000)	First-time freshmen (1,000)		ENROLLMENT (1,000)							
				Total	Male	Female	Public	Private	First-time freshmen	Full-time	Part-time
U.S.	3,580.3	2,063.4	2,253	12,372	6,975	5,397	9,847	2,725	2,585	7,181	5,190
NE	580.1	141.5	254	772	396	408	399	382	174	479	292
Maine	34.1	10.0	29	44	21	23	32	12	10	30	14
N.H.	29.4	7.6	26	49	24	25	26	23	11	35	14
Vt.	22.2	6.0	21	31	14	17	18	12	6	22	8
Mass.	303.8	78.1	118	418	198	220	178	239	89	263	155
R.I.	45.9	10.7	13	68	33	36	35	33	19	43	25
Conn.	124.7	31.1	47	182	78	87	100	83	39	86	76
MA	1,433.8	318.5	367	1,886	981	975	1,119	740	390	1,180	696
N.Y.	806.5	172.1	294	1,015	477	538	572	442	185	644	371
N.J.	218.1	56.9	81	323	149	174	248	74	85	167	156
Pa.	411.0	90.5	202	518	255	263	293	224	109	349	169
ENC	1,815.9	369.7	533	2,221	1,093	1,127	1,789	482	514	1,280	981
Ohio	378.3	88.4	136	521	261	260	385	137	119	318	203
Ind.	192.7	43.3	74	252	126	124	193	59	60	189	83
Ill.	452.1	114.8	166	660	313	346	504	155	159	335	322
Mich.	392.7	90.8	91	513	246	267	446	67	106	287	226
Wis.	202.1	51.4	54	275	135	140	241	34	70	178	97
W.N.C.	885.1	165.8	239	900	442	458	696	202	297	601	298
Minn.	180.8	38.7	70	211	101	110	165	46	43	143	67
Iowa	106.9	29.3	60	143	73	71	100	43	39	110	34
Mo.	183.8	41.3	89	244	121	123	173	71	63	152	91
N. Dak.	31.5	9.4	17	35	18	17	33	3	10	29	8
S. Dak.	30.9	7.7	20	35	17	18	28	9	8	27	9
Nebr.	68.9	15.3	31	94	48	47	77	17	26	57	36
Kans.	102.5	26.1	52	138	66	72	124	14	26	83	55
S.A.	1,078.8	277.8	328	1,765	835	930	1,288	364	351	1,080	718
Del.	35.3	8.8	8	32	14	18	28	4	7	21	11
Md.	149.8	33.6	56	230	103	127	197	32	45	112	118
D.C.	77.2	10.4	19	89	44	44	14	74	12	51	38
Va.	151.9	43.4	69	288	131	155	251	35	42	166	120
W. Va.	63.2	15.0	28	82	39	43	71	11	17	50	32
N.C.	171.9	57.2	127	295	139	157	236	59	70	200	96
S.C.	69.5	23.6	60	132	65	67	109	23	32	94	38
Ga.	128.5	27.8	78	191	94	98	146	45	37	132	60
Fla.	236.5	56.9	81	427	206	221	348	81	86	224	202
E.S.C.	411.5	98.5	238	618	291	328	508	106	138	436	181
Ky.	98.6	21.3	57	144	66	78	116	29	29	99	45
Tenn.	135.1	29.1	78	200	96	104	153	47	42	136	64
Ala.	103.9	25.5	59	166	80	87	145	21	37	120	47
Miss.	74.0	22.0	41	106	49	57	95	11	30	81	25
W.B.C.	725.1	170.1	297	1,130	568	572	862	146	247	684	444
Ark.	52.0	13.5	35	78	36	40	65	11	18	55	20
La.	120.7	27.2	32	175	83	92	151	24	34	120	54
Okla.	110.2	27.4	44	163	81	82	140	23	34	95	67
Tex.	442.2	102.0	155	716	359	358	626	91	161	413	303
ML	452.8	107.8	147	879	437	439	692	79	163	364	297
Mont.	30.1	7.5	16	36	18	18	32	4	6	27	9
Idaho	34.8	11.6	9	43	21	21	34	9	11	29	14
Wyo.	15.2	4.6	9	21	10	11	21	(2)	5	13	6
Colo.	123.4	28.9	45	166	85	83	150	18	29	106	62
N. Mex.	44.5	9.4	19	60	29	32	57	3	10	37	23
Ariz.	109.6	25.9	26	206	101	104	186	10	76	93	113
Utah	81.7	16.0	14	97	54	43	62	35	20	86	31
Nev.	13.7	3.4	7	40	19	21	40	(2)	4	13	27
Pac	1,406.0	368.9	394	2,286	1,139	1,257	2,143	345	437	1,042	1,348
Wash.	183.5	53.3	50	279	130	148	250	29	25	154	125
Oreg.	122.2	37.7	45	150	75	75	123	17	37	91	59
Calif.	1,257.2	284.6	272	1,566	801	995	1,601	195	365	781	1,125
Alaska	9.5	2.2	15	25	10	14	24	1	1	7	18
Hawaii	38.6	10.9	12	48	24	25	45	3	9	29	19
U.S. military ²	17.1	4.3	19	84	49	5	54	-	8	54	(2)
Other ³	67.3	16.2	41	146	68	88	62	84	41	119	31
P. Rico	63.1	15.5	36	137	64	63	53	84	38	110	27
Guam	2.7	.8	2	5	2	3	5	-	2	3	2
Virgin Is.	1.4	.2	1	3	1	2	3	-	(2)	1	2

Represents 300. 2. Less than 500. ¹Branch campuses counted separately. ²Military academies. ³Includes American Samoa and Trust Territory, not shown separately.

Source: U.S. National Center for Education Statistics, *Fall Enrollment in Higher Education*, annual, and *Education Directory: Colleges and Universities*, annual.

No. 266. COLLEGE ENROLLMENT BY MAJOR FIELD OF STUDY AND SEX: 1966 TO 1978

[In thousands, except percent. As of October. Covers civilian noninstitutional population 14 to 34 years old. Degree-credit enrollment only. Based on Current Population Survey; see text, p. 2]

MAJOR FIELD OF STUDY	1966, total	1972, total	1974			1978			PERCENT DISTRIBUTION		
			Total	Male	Female	Total	Male	Female	1966	1972	1978
Total enrollment ¹	5,900	6,313	6,327	4,828	3,901	9,838	5,124	4,714	100.0	100.0	100.0
Agriculture, forestry	73	97	104	80	14	144	82	62	1.2	1.2	1.5
Biological sciences	502	257	327	183	134	303	155	148	10.0	3.1	3.1
Health, medical profession		695	801	208	514	872	303	569		8.4	6.9
Business, commerce	888	1,157	1,378		438	1,956	1,138	819	14.8	13.9	19.9
Education	1,118	1,007	1,158	318	841	781	180	601	18.6	12.1	7.9
Engineering	534	357	410	382	28	565	498	66	8.9	4.3	5.7
English, journalism		291	264	108	156	192	68	125	10.3	3.5	2.0
Other humanities		455	404	208	194	741	325	416		5.5	7.5
Law	(NA)	237	271	208	63	220	150	70	(NA)	2.9	2.2
Mathematics, statistics ²	238	239	168	83	75	142	90	52	3.9	2.9	1.4
Physical sciences	288	157	134	97	36	193	132	61	3.8	1.9	2.0
Social sciences	642	954	771	429	342	763	374	389	10.7	11.5	7.8

NA Not available. ¹Includes other, not shown separately. ²Includes home economics. ³Includes computer sciences. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, Nos. 183, 260, 286, and 351.

No. 266. ENROLLMENT IN INSTITUTIONS OF HIGHER EDUCATION, BY SPECIFIED MINORITY GROUPS, 1968 TO 1980, AND BY GEOGRAPHIC DIVISION, 1980

[Enrollment in thousands, except percent. As of fall. Prior to 1978, excludes Alaska and Hawaii. Covers full-time undergraduate students in 2-year and 4-year institutions taking credits equal to at least 75 percent of a normal load. Excludes institutions in the outlying areas. For composition of divisions, see fig. 1, inside front cover]

YEAR AND GEOGRAPHIC DIVISION	Number of institutions	Total enroll- ment	BLACK ENROLLMENT		ENROLLMENT OF OTHER MINORITY GROUPS				
			Number	Percent	Total	Per- cent	American Indian	Asian American	Spanish- surnamed American
1968, total	2,054	4,830	267	6.8	198	3.5	29	46	81
1970, total	2,516	4,968	345	6.9	181	3.7	27	62	109
1972, total	2,988	5,531	489	8.3	219	4.0	32	57	139
1974, total	2,988	5,638	609	9.0	255	4.5	33	64	199
1976, total	2,821	5,755	806	10.5	321	5.9	38	101	191
1978, total	2,867	5,884	801	10.8	348	6.1	38	114	199
1980, total	2,979	5,983	835	10.4	388	6.8	38	136	221
New England	234	408	15	3.7	11	2.7	1	4	6
Middle Atlantic	483	987	105	10.6	86	8.6	4	17	45
East North Central	477	1,100	103	9.4	31	2.8	4	12	15
West North Central	308	511	20	3.8	12	2.3	4	4	4
South Atlantic	505	877	165	18.9	30	3.6	3	8	19
East South Central	223	381	79	20.7	4	.9	1	2	1
West South Central	258	584	78	13.1	68	9.9	5	5	47
Mountain	142	328	7	2.3	33	10.0	7	5	21
Pacific	346	818	55	6.7	152	18.6	10	79	63

Source: U.S. Office for Civil Rights, *Undergraduate Enrollment by Ethnic Group in Federally Funded Institutions of Higher Education, Fall 1968* and, beginning 1970, *Racial and Ethnic Enrollment Data From Institutions of Higher Education*, biennial.

No. 267. FOREIGN (NONIMMIGRANT) STUDENT ENROLLMENT IN INSTITUTIONS OF HIGHER EDUCATION, BY REGION OF ORIGIN, 1975 TO 1981, AND BY FIELD OF STUDY, 1980

REGION OF ORIGIN	ENROLLMENT (1,000)							1980, PERCENT ENROLLED IN—		
	1975	1976	1977	1978	1979	1980	1981	Engi- neering	Sci- ence ¹	Busi- ness
All regions ²	155	176	203	237	264	286	312	25	8	18
Africa	16	25	26	30	34	36	38	20	9	19
Asia ³	82	97	109	131	147	165	179	32	8	16
Taiwan	10	11	12	14	16	18	19	27	15	17
Hong Kong	11	12	11	12	11	10	10	22	9	26
India	10	10	9	9	9	9	9	31	16	21
Iran	14	20	23	26	45	51	48	45	7	11
Europe	14	14	17	19	22	23	25	15	9	14
Latin America ⁴	28	30	37	39	41	42	50	20	8	14
North America	9	10	11	13	16	15	15	8	6	13
Canada	8	10	11	13	15	15	14	8	6	12
Oceania	5	3	3	4	4	4	4	5	7	18

¹Physical and life sciences. ²Includes those with no country of citizenship. ³Distribution by region estimated for 30,416 students whose origin was unknown. ⁴Includes countries not shown separately. ⁵Includes Mexico, Central America, and Caribbean.

Source: Institute of International Education, New York, N.Y., *Open Doors*, annual. (Copyright.)

**NO. 265. MAJOR FEDERAL STUDENT FINANCIAL ASSISTANCE PROGRAMS—TYPE OF PROGRAM,
NUMBER OF RECIPIENTS, AND FUNDS UTILIZED: 1970 TO 1983**

[For years ending June 30, except College Work-Study for calendar year 1979 and, beginning 1978, Guaranteed Student Loan as of September 30. For information on various programs, see source. Funds utilized exclude operating costs, etc. and represent funds given to students.]

PROGRAM	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982, ¹ prel.	1983, proj.
Basic Educational Opportunity Grants:²											
Number of recipients.....	1,000	(x)	573.4	1,228.0	1,945.4	1,864.0	1,893.0	2,537.8	2,700.0	2,500.0	1,800.0
Funds utilized.....	Mill. dol.	(x)	367	937	1,474	1,588	1,581	2,505	2,348	2,279	1,400
Average grant.....	Dollars	(x)	621	763	757	852	825	957	838	858	800
Supplemental Educational Opportunity Grants:²											
Number of recipients.....	1,000	258.2	305.0	390.0	449.0	499.0	510.0	608.0	586.0	440.0	-
Funds utilized.....	Mill. dol.	113	200	201	244	243	285	338	370	275	-
Average grant.....	Dollars	440	508	513	543	489	522	555	600	600	-
National Direct Student Loans:											
Number of recipients.....	1,000	458.0	680.0	680.0	784.0	795.1	808.6	958.2	790.0	800.0	■
Loan funds utilized ⁴	Mill. dol.	246	440	480	560	615	640	850	553	570	435
Average loan.....	Dollars	540	647	667	732	773	792	879	700	700	700
Loans in default.....	Mill. dol.	(NA)	(NA)	(NA)	582	702.5	731.7	824.4	(NA)	(NA)	(NA)
Default rate ⁵	Percent	(NA)	(NA)	(NA)	15.9	17.4	16.0	16.1	(NA)	(NA)	(NA)
College Work-Study:											
Number of recipients.....	1,000	365.0	570.0	575.0	697.0	845.3	852.5	925.6	990.0	950.0	720.0
Funds utilized ⁴	Mill. dol.	173	265	295	436	469	488	601	550	526	397
Average annual earnings.....	Dollars	450	518	518	626	555	573	650	600	600	600
Guaranteed Student Loans:											
Number of loans.....	1,000	863.0	990.4	*1,298.6	972.6	1,085.0	1,509.5	2,314.0	3,528.0	2,908.0	2,816.0
Loan funds utilized.....	Mill. dol.	811	1,298	*1,828	1,537	1,959	2,984	4,840	7,794	6,255	5,935
Average loan.....	Dollars	940	1,311	*1,408	1,581	1,806	1,977	2,091	2,209	2,150	2,109
Loans in default.....	Mill. dol.	(NA)	(NA)	(NA)	797	1,004	1,225	1,439	1,694	(NA)	(NA)
Default rate ⁵	Percent	(NA)	(NA)	(NA)	10.3	11.0	11.5	12.5	12.3	(NA)	(NA)

- Represents zero. NA Not available. X Not applicable. ¹Data reflect funding levels proposed under a Continuing Resolution in effect in July 1982 and are subject to change. ²Beginning Oct. 1, 1980, Pell Grant. ³For 1970, data represents Educational Opportunity Grants Program. ⁴Includes institutional matching funds. ⁵Loans in default as a percent cumulative matured loans. ⁶Data for 15 months, July 1, 1975 to September 30, 1976.

Source: U.S. Dept. of Education, Office of Student Financial Assistance, *Program Book*, 1981, and unpublished data.

NO. 269. INSTITUTIONS OF HIGHER EDUCATION—CHARGES: 1965 TO 1982

[In dollars. Estimated. Data are for the entire academic year. Figures for 1965 and 1970 are average charges for full-time resident degree-credit students; figures for later years are average charges per full-time equivalent students. Room and board are based on full-time students.]

ACADEMIC YEAR ENDING AND CONTROL	TUITION AND REQUIRED FEES				BOARD RATES				DORMITORY CHARGES			
	All institutions	2-yr colleges	4-yr universities	Other 4-yr schools	All institutions	2-yr colleges	4-yr universities	Other 4-yr schools	All institutions	2-yr colleges	4-yr universities	Other 4-yr schools
1965: Public.....	243	99	298	224	436	361	462	402	271	178	291	241
Private.....	1,089	702	1,297	1,023	489	484	515	479	331	289	380	308
1970: Public.....	323	178	427	308	511	485	540	483	370	308	385	347
Private.....	1,533	1,034	1,809	1,409	582	547	608	543	436	413	500	409
1975: Public.....	432	277	599	448	625	636	634	613	506	424	527	497
Private.....	2,117	1,367	2,614	1,954	700	680	771	666	586	584	691	536
1979: Public.....	554	364	770	614	798	798	827	784	659	635	669	647
Private.....	2,793	1,784	3,843	2,582	904	885	1,021	851	780	714	940	710
1980: Public.....	581	361	840	662	857	864	866	833	715	572	749	703
Private.....	3,128	2,051	3,811	3,014	856	824	1,078	911	827	768	989	788
1981: Public.....	634	383	915	720	840	1,000	989	904	798	635	827	785
Private ¹	2,498	2,422	4,275	3,384	1,063	997	1,208	909	917	680	1,083	680
1982: Public.....	719	438	1,041	823	1,048	1,108	1,083	1,002	868	704	825	681
Private ¹	3,894	2,773	4,900	3,688	1,174	1,106	1,366	1,108	1,022	974	1,225	952
Average annual percent change, public:												
1965-1970.....	8.9	12.5	7.5	6.4	3.2	5.2	3.2	3.7	6.4	11.8	6.3	7.8
1970-1975.....	6.0	9.3	7.0	7.9	4.1	6.5	3.3	4.9	6.5	8.6	5.8	7.5
1975-1980.....	6.1	4.9	7.0	6.1	6.8	7.0	7.2	6.3	7.2	6.2	7.3	7.2
1980-1982.....	11.2	11.7	11.3	11.5	9.6	11.3	9.8	9.7	11.4	10.8	11.1	12.0

¹Preliminary estimate.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 270. INSTITUTIONS OF HIGHER EDUCATION—FINANCES: 1970 TO 1980

[In millions of dollars. For fiscal years ending in year shown. For coverage, see headnote, table 280. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 729-736 and H 747-749]

ITEM	1970	1970	1970	1977	1970	1970	1980		
							Total	Public	Private
Current funds revenues.....	21,515	26,887	30,708	43,437	47,024	51,386	58,520	28,824	19,886
Educational and general.....	16,486	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Tuition and fees.....	4,420	7,233	8,172	9,025	9,855	10,794	11,930	4,880	7,070
Federal government.....	2,882	4,991	5,414	5,730	6,113	6,844	7,772	5,012	2,759
State government.....	5,786	10,857	12,261	13,286	14,746	16,364	18,378	17,974	404
Local government.....	775	1,424	1,617	1,627	1,744	1,573	1,588	1,436	151
Endowment earnings.....	447	718	887	785	832	965	1,177	191	996
Private gifts, grants, and contracts ¹	1,001	1,745	1,917	2,105	2,320	2,469	2,808	979	1,829
Related activities ²	1,373	555	645	779	863	1,037	1,239	819	420
Auxiliary enterprises.....	2,900	4,080	4,548	4,920	5,328	5,741	6,481	4,089	2,393
Other funds revenues.....	2,129	4,083	4,442	5,201	5,212	6,100	7,146	3,464	3,682
Plant funds ³	(NA)	3,311	3,910	3,417	3,293	3,676	4,362	3,166	1,216
Increase in fund balance.....	366	488	959	1,117	1,032	1,373	2,153	437	1,718
Endowment.....	366	229	649	802	758	1,100	1,874	344	1,531
Annuity and life income.....	(NA)	26	53	52	45	69	64	3	62
Loans.....	(NA)	231	257	263	229	203	215	90	125
Current funds expenditures ⁴	21,403	26,058	28,903	42,800	46,971	50,721	58,914	37,708	19,146
Educational and general.....		27,548	30,588	33,152	36,257	39,833	44,543	30,627	13,915
Instruction.....		11,798	13,095	14,031	15,336	16,863	18,497	13,319	5,178
Institutional support.....		3,057	3,815	3,782	4,142	4,557	5,054	3,135	1,919
Research.....		3,132	3,287	3,600	3,920	4,448	5,089	3,409	1,891
Plant operation ⁵		2,787	3,083	3,437	3,795	4,179	4,700	3,267	1,433
Academic support.....		2,256	2,472	2,795	3,130	3,471	3,676	2,768	1,091
Libraries.....		1,002	1,224	1,250	1,349	1,427	1,624	1,114	509
Student services.....	(NA)	1,439	1,625	1,828	2,035	2,275	2,567	1,755	812
Scholarships and fellowships.....		1,450	1,636	1,770	1,836	1,945	2,200	970	1,230
Unrestricted funds.....		632	887	749	818	863	905	324	581
Restricted funds.....		818	949	1,021	1,021	1,061	1,296	646	649
Public service.....		1,098	1,239	1,343	1,425	1,593	1,817	1,513	304
Mandatory transfers.....		532	546	585	634	703	732	473	259
Auxiliary enterprises ⁴		4,074	4,477	4,856	5,261	5,750	6,466	4,132	2,354
Hospitals ⁶		2,351	2,696	3,155	3,588	4,131	4,757	2,948	1,810
Independent operations ⁴		1,087	1,132	1,435	855	1,007	1,128	61	1,087
Gross addition to plant value ⁶	4,233	4,781	4,702	4,623	4,527	4,576	5,551	3,686	1,986
Value of plant (grounds, buildings, equipment).....	42,084	62,163	66,348	70,739	74,771	78,638	83,733	56,970	26,763
Endowment (book value) ⁷	10,854	13,403	13,952	14,747	15,568	16,804	13,861	3,619	14,942

NA Not available. X Not applicable. ¹Private grants represent nongovernmental revenue for sponsored research and other sponsored programs. Beginning 1975, includes private contracts. ²1970 represents related activities, sales and services of educational departments, and other miscellaneous; beginning 1975, sales and services of educational departments only.

³Beginning 1975, annual net increase in plant funds. ⁴Includes mandatory transfers which are primarily current expenditures for plant. ⁵Includes maintenance. ⁶Includes expenditures from current funds for plant expansion. ⁷Includes funds functioning as endowment funds.

Source: U.S. National Center for Education Statistics, *Financial Statistics of Institutions of Higher Education*, annual.

NO. 271. VOLUNTARY FINANCIAL SUPPORT OF HIGHER EDUCATION: 1965 TO 1981

[For school years ending in years shown; enrollment as of fall of preceding year. Voluntary support, as defined in *Gift Reporting Standards*, excludes income from endowment and other invested funds as well as all support received from Federal, State, and local governments and their agencies]

ITEM	Unit	1966	1979	1975	1976	1977	1979	1978	1980	1981
Estimated support, total ¹	Mill. dol.....	1,403	1,708	2,160	2,410	2,670	3,040	2,230	2,988	4,230
Foundations.....	Mill. dol.....	402	484	497	549	558	623	701	903	922
Individuals.....	Mill. dol.....	626	622	1,002	1,157	1,284	1,480	1,521	1,757	2,056
Alumni.....	Mill. dol.....	280	381	486	588	838	714	785	910	1,049
Business corporations.....	Mill. dol.....	198	289	357	379	448	508	556	608	778
Religious denominations.....	Mill. dol.....	101	102	112	130	136	158	161	155	140
Current operations.....	Mill. dol.....	603	951	1,370	1,480	1,620	1,825	2,010	2,250	2,580
Capital purposes.....	Mill. dol.....	797	829	790	930	1,050	1,215	1,220	1,550	1,640
Enrollment, higher education.....	1,000.....	(NA)	8,005	10,224	11,291	11,121	11,415	11,392	11,707	12,097
Support per student.....	Dollars.....	(NA)	222	211	213	240	268	264	325	350
In 1967 dollars.....	Dollars.....	(NA)	196	137	128	138	141	138	140	135
Expenditures, higher education.....	Bil. dol.....	(NA)	24.7	38.9	42.7	45.5	50.0	54.0	58.5	96.0
Expenditures per student.....	Dollars.....	(NA)	3,090	3,805	3,780	4,080	4,380	4,740	4,997	5,621
In 1967 dollars.....	Dollars.....	(NA)	2,730	2,450	2,280	2,325	2,324	2,297	2,153	2,165
Institutions reporting support.....	Number.....	1,064	1,045	996	991	1,005	1,065	972	1,019	928
Total support reported.....	Mill. dol.....	1,246	1,472	1,675	1,891	2,139	2,348	2,556	3,086	3,318
Private 4-year institutions.....	Mill. dol.....	1,032	1,154	1,227	1,398	1,559	1,702	1,823	2,178	2,367
Public 4-year institutions.....	Mill. dol.....	195	292	431	477	562	623	715	858	928
Junior colleges.....	Mill. dol.....	18	26	17	16	18	23	18	20	21

NA Not available. ¹Includes other contributions not shown separately.

Source: Council for Financial Aid to Education, New York, N.Y., *Voluntary Support of Education*, annual.

NO. 272. HIGHER EDUCATION PRICE INDEXES: 1965 TO 1981

[1967 = 100. For years ending June 30. Reflects prices paid by colleges and universities. For explanation of average annual percent change, see Guide to Tabular Presentation]

YEAR	Index, total	Average annual percent change ¹	PERSONNEL COMPENSATION				CONTRACTED SERVICES, SUPPLIES, AND EQUIPMENT					
			Total	Professional salaries	Nonprofessional salaries	Fringe benefits	Total	Services	Supplies and materials	Equipment	Books, periodicals	Utilities
1965	91	4.9	89	89	94	78	96	95	88	95	91	100
1970	121	5.9	124	121	118	148	111	113	108	111	121	104
1972	136	5.8	138	133	136	180	126	126	113	119	164	122
1973	143	5.3	146	138	144	198	132	132	116	129	177	129
1974	153	7.1	155	146	153	222	145	136	132	131	196	158
1975	166	8.6	168	164	168	241	169	150	164	164	220	203
1976	177	6.6	178	162	179	267	180	157	172	163	252	219
1977	189	6.8	187	189	192	295	195	167	181	172	288	258
1978	201	6.7	198	179	207	324	209	176	186	183	288	263
1979	217	7.7	215	189	229	367	228	187	203	196	318	321
1980	236	9.0	232	202	243	409	251	202	239	216	364	409
1981	262	9.8	252	220	266	434	299	225	270	237	400	508

¹ Change from prior year shown except 1966, change from 1964. 1972, change from 1971.

Source: U.S. National Institute of Education, *Higher Education Prices and Price Indexes, 1978*, with annual supplements; National Association of College and University Business Officers, *The Business Officer*, October 1980; beginning 1981, Research Associates of Washington, *Higher Education Prices and Price Indexes*, annual.

NO. 273. MONTHLY SALARY OFFERS TO CANDIDATES FOR DEGREES: 1975 TO 1981

[In dollars. Data are average beginning salaries based on offers made by business, industrial, government, and nonprofit and educational employers to graduating students. Data from representative colleges throughout U.S.]

FIELD OF STUDY	BACHELOR'S				MASTER'S ¹				DOCTOR'S			
	1975	1979	1980	1981	1975	1979	1980	1981	1975	1980	1981	1981
Accounting	981	1,208	1,293	1,418	(NA)	1,416	1,517	1,647	(NA)	(NA)	(NA)	(NA)
Business, general ²	843	1,102	1,218	1,356	1,250	1,611	1,796	2,000	(NA)	(NA)	(NA)	(NA)
Marketing ³	801	1,040	1,145	1,265	(NA)	(NA)	1,794	1,884	(NA)	(NA)	(NA)	(NA)
Engineering: Civil	1,064	1,402	1,554	1,775	1,183	1,585	1,753	2,033	1,382	2,260	2,089	2,523
Chemical	1,168	1,642	1,801	2,030	1,310	1,779	1,947	2,207	1,645	2,231	2,452	2,746
Electrical ⁴	1,081	1,520	1,690	1,882	1,226	1,731	1,912	2,138	1,550	2,221	2,534	2,763
Mechanical	1,122	1,536	1,703	1,908	1,274	1,718	1,893	2,125	1,624	2,180	2,428	2,659
Nuclear ⁵	(NA)	1,486	1,688	1,870	(NA)	1,648	1,831	2,056	(NA)	(NA)	(NA)	(NA)
Petroleum	(NA)	1,793	1,987	2,221	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Engineering technology	1,012	1,433	1,585	1,808	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemistry	■	1,332	1,459	1,637	1,118	1,552	1,688	1,967	1,503	2,017	2,261	2,481
Mathematics	915	1,324	1,475	1,624	1,138	1,502	1,685	1,929	1,523	2,070	2,189	2,573
Physics	(NA)	(NA)	(NA)	(NA)	1,216	(NA)	(NA)	(NA)	1,473	2,093	2,303	2,612
Humanities	723	983	1,074	1,204	931	1,132	1,309	1,408	(NA)	(NA)	(NA)	(NA)
Social sciences ⁶	770	972	1,072	1,166	953	1,254	1,298	1,417	(NA)	(NA)	(NA)	(NA)
Computer science	875	1,401	1,558	1,726	1,168	1,689	1,858	2,067	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹ Candidates with 1 year or less of full-time nonmilitary employment. ² For master's degrees, offers are after nontechnical undergraduate degree. ³ Includes distribution. ⁴ Includes computer engineering in 1979. ⁵ Includes engineering physics. ⁶ Beginning 1979, excludes economics.

Source: College Placement Council, Inc., Bethlehem, Pa., *A Study of Beginning Offers*, annual. (Copyright.)

NO. 274. INSTITUTIONS OF HIGHER EDUCATION—AVERAGE SALARIES AND FRINGE BENEFITS FOR FACULTY MEMBERS, BY TYPE OF CONTROL: 1972 TO 1982

[In thousands of dollars. For academic year ending in year shown. Figures are for 9 months teaching for full-time faculty members in four-year colleges and universities]

TYPE OF CONTROL AND ACADEMIC RANK	AVERAGE SALARIES						AVERAGE FRINGE BENEFITS					
	1972	1974	1976	1978	1980	1982	1972	1974	1976	1978	1980	1982
Public: All ranks	14.2	15.6	17.8	19.3	22.1	26.2	2.1	2.3	2.6	3.0	3.9	5.1
Professor	18.7	20.6	23.1	25.4	28.8	33.7	2.6	2.9	3.3	3.7	5.0	6.5
Associate professor	14.3	15.8	17.7	19.5	21.9	25.7	2.3	2.5	2.9	3.0	3.9	5.0
Assistant professor	11.8	12.9	14.5	16.0	18.0	21.2	1.9	2.1	2.4	2.5	3.2	4.1
Instructor	10.0	10.8	11.9	13.1	14.8	16.7	1.5	1.7	1.9	2.0	2.5	3.1
Private: All ranks	14.5	15.8	17.6	19.4	22.1	26.8	2.4	2.7	3.0	3.3	4.1	5.4
Professor	19.5	21.2	23.7	26.2	30.0	35.8	3.5	3.8	4.3	4.8	5.8	7.6
Associate professor	14.0	15.2	16.9	18.7	21.0	25.4	2.3	2.6	2.9	3.2	3.9	5.2
Assistant professor	11.5	12.4	13.7	15.1	17.0	20.4	1.8	2.0	2.2	2.5	2.9	3.8
Instructor	9.6	10.4	11.5	12.1	13.3	15.9	1.3	1.5	1.6	1.7	2.0	2.6

Source: Marylee Eymore Associates, McLean, Virginia. Data derived from the American Association of University Professors, Washington, D.C., *Annual Report on the Economic Status of the Profession*.

NO. 275. INSTITUTIONS OF HIGHER EDUCATION—MEDIAN ANNUAL SALARIES OF ADMINISTRATIVE OFFICERS: 1970 TO 1982

[For fiscal year ending in year stated. Median salaries based on number of responding institutions which varies from survey to survey—1,363 in 1980 and 1,391 in 1982. For definition of median, see Guide to Tabular Presentation]

POSITION	MEDIAN ANNUAL SALARY (\$1,000)											
	Public institutions						Private institutions					
		1974	1975	1976	1980	1982	1970	1974	1976	1978	1980	1982
Chief Executive Officer of single institutions	25.2	32.0	35.5	40.0	44.1	52.0	23.5	30.6	33.0	36.5	42.1	50.0
Executive Vice President	(NA)	(NA)	31.4	34.4	39.1	48.0	(NA)	(NA)	26.3	28.0	32.3	40.0
Chief Academic Officer	21.0	26.0	29.2	32.3	37.5	43.0	17.5	22.6	24.2	26.8	30.0	37.5
Chief Student Affairs Officer ¹	18.0	21.7	25.3	27.3	32.3	37.8	13.0	16.0	17.9	20.4	24.0	29.1

NA Not available. ¹ Prior to 1980, Used Chief Student Life Officer

Source: College and University Personnel Association, Washington, D.C., *Administrative Compensation Survey*, annual (Copyright.)

NO. 276. INSTITUTIONS OF HIGHER EDUCATION—TENURE STATUS OF FULL-TIME FACULTY, BY TYPE OF INSTITUTION AND RANK OF FACULTY: 1981

[Data are for those institutional units of higher education reporting tenure status]

ITEM	All institutions ¹	University	Other 4-yr. schools	2-yr. schools	Professor	Associate professor	Assistant professor	Instructor	Lecturer
PUBLIC INSTITUTIONS									
Total faculty	284,369	90,561	110,873	82,936	72,837	67,785	64,394	20,139	4,976
With tenure	179,736	59,776	72,665	47,305	70,335	56,205	20,938	2,376	711
Percent	63.0	66.0	65.5	75.2	96.0	82.9	32.5	11.8	14.3
PRIVATE INSTITUTIONS									
Total faculty	95,511	32,996	60,799	1,716	29,346	26,261	26,466	8,343	1,123
With tenure	53,392	19,930	32,612	850	27,525	19,759	4,997	247	17
Percent	55.9	60.4	53.6	49.5	93.6	75.2	17.5	3.0	1.5

¹ Includes instructional faculty with no academic rank, not shown separately.

Source: U.S. National Center for Education Statistics, *Faculty, Salaries, Tenure and Benefits: 1980-81*.

NO. 277. EARNED DEGREES CONFERRED, BY LEVEL OF DEGREE: 1950 TO 1981

[In thousands, except percent. Except as noted, includes Puerto Rico: 1955, Guam, and 1979, Virgin Islands. See *Historical Statistics, Colonial Times to 1970*, series H 751-763, for similar data. See also Appendix II]

YEAR	TOTAL		BACHELOR'S ¹		MASTER'S ²		DOCTORATES		PERCENT OF TOTAL		
	Number	Percent male	Male	Female	Male	Female	Male	Female	Bachelor's ¹	Master's ²	Doctorates
1950	499	75.8	330	104	41	17	6.0	.6	67.0	11.7	1.3
1955	354	65.0	184	104	39	19	8.0	.8	61.1	16.4	2.5
1960	479	65.8	256	139	51	24	8.8	1.0	62.4	15.5	2.1
1965	668	61.5	320	219	76	36	14.7	1.8	60.7	16.8	2.5
1970	1,073	59.6	487	346	126	83	25.9	4.0	77.7	19.5	2.8
1973	1,280	58.7	598	412	155	110	28.8	6.2	76.6	20.7	2.7
1974	1,321	58.0	580	429	158	120	27.4	6.5	76.4	21.1	2.6
1975	1,316	56.8	566	430	162	132	26.8	7.3	75.1	22.3	2.6
1976	1,345	56.2	562	436	166	145	26.3	7.8	74.2	23.3	2.5
1977	1,344	55.4	552	441	169	160	25.2	8.1	73.8	23.7	2.5
1978	1,342	54.3	544	454	162	151	23.7	6.5	74.3	23.3	2.4
1979	1,335	53.3	534	466	154	148	23.6	9.2	74.8	22.6	2.5
1980 ³	1,330	52.6	526	473	151	147	22.9	9.7	75.1	22.4	2.5
1981 ⁴	1,337	51.9	523	484	146	149	22.6	10.3	75.4	22.2	2.5

¹ Includes 1st professional degree.

² Includes 2d level degree.

³ Data for 50 States and D.C.

⁴ Preliminary.

Source: U.S. National Center for Education Statistics, *Earned Degrees Conferred*, annual.

Earned Degrees Conferred

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NO. 278. EARNED DEGREES CONFERRED, BY FIELD OF STUDY, 1975 TO 1980, AND BY LEVEL OF DEGREE AND SEX, 1980

MAJOR FIELD OF STUDY	BACHELOR'S ¹ (1,000)							MASTER'S, 1980		DOCTORATES, 1980	
	1975	1976	1977	1978	1979	1980		Total	Male	Total	Male
						Total	Male				
All fields	922.9	925.7	919.5	921.2	921.4	925.4	473.8	298,081	150,748	32,816	22,943
Agriculture	17.5	19.4	21.5	22.7	23.1	22.8	16.0	3,976	3,082	991	879
Animal science	3.4	3.9	4.1	4.1	4.0	3.7	2.0	472	368	136	122
Forestry	2.6	2.7	2.7	2.7	2.5	2.4	2.0	437	351	80	72
All other	11.5	12.8	14.7	15.9	16.6	16.7	12.0	3,067	2,363	775	685
Architecture	8.2	9.1	9.2	9.3	9.3	9.1	6.6	3,139	2,245	79	68
Area studies	3.0	3.1	3.0	2.9	2.8	2.5	1.0	772	403	145	95
Biological sciences	51.7	54.3	53.6	51.5	48.8	46.4	26.8	6,510	4,098	3,638	2,890
Biology, general	38.7	40.2	39.5	37.8	36.0	33.5	19.1	2,911	1,856	718	517
Zoology, general	5.6	5.5	5.0	4.5	4.1	3.7	2.4	431	298	245	199
All other	7.4	8.6	9.1	9.4	8.8	9.2	5.3	3,168	1,945	2,673	1,974
Business and management	133.8	143.4	152.1	161.3	172.9	186.7	124.0	55,148	42,843	796	681
Business management and administration	38.9	44.1	47.4	51.0	57.0	61.6	42.7	30,186	23,005	410	351
Business, commerce, general	31.2	30.1	30.2	31.9	32.2	34.5	22.9	10,650	8,167	113	98
Accounting	31.1	36.8	39.2	40.1	41.4	42.7	27.3	3,456	2,499	51	42
All other	32.6	33.4	35.4	38.3	42.3	47.9	31.1	10,866	8,272	222	190
Communications	19.2	21.3	23.2	25.4	26.5	28.6	13.7	3,082	1,527	193	121
Computer and information sciences	5.0	5.7	6.4	7.2	8.7	11.2	7.8	3,647	2,883	240	213
Education	167.0	154.8	143.7	136.1	126.0	118.1	50.9	103,453	50,876	7,940	4,419
Elementary, general	68.7	60.3	53.0	48.3	44.8	42.0	4.3	15,891	1,833	214	77
Physical	24.6	24.2	23.3	22.7	21.2	20.3	10.2	4,126	2,160	262	155
Music	8.0	7.9	7.6	7.4	6.7	6.2	2.8	1,149	529	105	73
Special education, general	7.8	8.2	8.5	8.5	8.7	8.9	.9	8,979	1,317	280	111
Other education fields	57.9	54.2	51.2	48.2	44.5	40.6	12.9	73,308	25,036	7,099	4,003
Engineering	46.9	46.3	49.3	55.7	62.4	68.9	62.5	15,243	15,101	2,507	2,412
Fine and applied arts	40.8	42.1	41.8	41.0	41.0	40.9	15.1	8,706	4,067	655	413
Art ²	16.2	16.4	16.3	15.9	15.3	15.2	4.5	2,523	1,091	125	46
Music ³	8.7	9.1	9.2	9.0	9.0	9.0	4.2	3,417	1,713	402	268
Dramatic arts	5.5	5.7	5.2	5.0	5.0	5.2	2.1	1,117	575	81	58
All other	10.5	10.9	11.1	11.0	11.6	11.6	4.2	1,651	686	37	21
Foreign languages	17.8	15.5	13.9	12.7	11.8	11.1	2.7	2,238	686	549	234
Health professions	49.1	54.0	57.3	58.4	62.1	63.9	11.4	15,704	4,357	786	435
Nursing	23.7	26.7	28.4	30.0	31.4	32.4	1.8	4,818	172	118	2
Pharmacy	6.3	6.9	7.5	7.3	8.8	7.0	4.2	380	283	89	73
Medical lab. technology	5.0	6.4	5.3	5.2	5.2	5.1	1.0	231	77	1	-
All other	14.0	15.0	16.1	16.9	16.7	19.4	4.4	10,477	3,645	578	380
Home economics	16.8	17.4	17.4	17.6	16.3	16.4	.9	2,880	234	192	46
Law (excl. first professional)	.4	.5	.6	.6	.7	.7	.4	1,817	1,531	40	36
Letters	57.8	51.5	47.1	44.3	42.0	40.6	16.5	8,508	3,380	1,875	1,107
Library sciences	1.1	.8	.8	.7	.6	.4	(2)	5,374	1,004	73	35
Mathematical subjects	18.2	16.0	14.2	12.6	11.8	11.4	6.6	2,880	1,826	724	624
Military sciences	.3	1.2	.9	.4	.3	.3	.2	.48	.46	-	-
Physical sciences	20.8	21.5	22.5	23.0	23.2	23.4	17.9	5,219	4,248	3,089	2,705
Chemistry, general	10.4	11.0	11.1	11.2	11.5	11.2	8.0	1,615	1,194	1,413	1,179
Physics, general	3.6	3.5	3.4	3.3	3.3	3.3	2.9	1,177	1,083	818	756
Geology	9.2	3.3	3.7	4.2	4.3	4.4	3.3	1,192	971	260	236
All other	3.5	3.8	4.3	4.2	4.1	4.5	3.6	1,236	1,020	596	532
Psychology	51.0	49.8	47.4	44.8	42.5	42.0	15.4	7,806	3,376	2,768	1,802
Public affairs and services	29.2	33.2	36.3	37.2	38.2	37.6	16.9	20,067	9,624	392	254
Social sciences	135.7	126.8	117.4	113.2	106.3	103.9	58.6	12,181	7,785	3,225	2,351
History	31.5	28.4	25.4	23.0	21.0	19.3	12.1	2,367	1,451	712	524
Sociology	31.5	27.8	24.7	22.8	20.3	18.9	8.3	1,341	867	583	365
Political science, government	13.8	12.3	10.8	11.3	10.4	8.5	4.3	1,252	719	81	50
Social sciences, general	14.0	14.7	15.3	15.7	16.4	17.9	12.5	1,821	1,439	677	575
Economics	16.8	15.4	14.7	14.5	14.6	13.9	7.2	3,462	2,086	637	419
All other	4.8	5.5	6.1	6.3	6.1	6.2	4.6	3,922	2,705	1,319	1,242
Theology	2.8	3.5	3.8	4.0	3.6	3.7	3.2	2,282	1,739	1,209	1,182
Theological professions, general	1.4	1.6	1.8	1.7	1.7	1.8	1.0	1,202	880	44	37
Religious education	.7	.5	.7	.6	.6	.6	.4	438	308	86	53
All other	26.2	32.4	33.9	36.6	34.2	34.5	17.2	4,952	2,881	401	283

- Represents zero. Z Less than 50. ¹Requiring 4 or 5 years. Includes history and appreciation. ²Includes performing and liberal arts, history, and appreciation. ³Comprises general liberal arts and sciences, biological and physical sciences, humanities and social sciences, engineering, and other disciplines.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual, and unpublished data.

No. 279. DEGREES CONFERRED IN SELECTED PROFESSIONS: 1950 TO 1980

[First professional degrees for medicine, dentistry, and law. See Appendix III]

TYPE OF DEGREE	1950	1960	1965	1970	1975	1977	1978	1979	1980
Medicine (M.D.):									
Institutions conferring degrees	72	72	79	81	88	104	109	109	112
Degrees conferred, total	5,812	7,014	7,032	7,304	8,314	12,447	13,481	14,279	14,902
Men	5,028	6,883	6,845	6,832	7,815	10,818	10,891	11,210	11,416
Women	584	331	387	472	699	1,629	2,570	3,069	3,486
Dentistry (D.D.S. or D.M.D.):									
Institutions conferring degrees	40	42	45	45	48	52	57	57	58
Degrees conferred, total	2,579	3,089	3,247	3,107	3,718	4,773	5,138	5,189	5,258
Men	2,561	3,071	3,221	3,086	3,684	4,627	4,784	4,823	4,858
Women	18	28	26	22	34	146	374	586	700
Law (LL.B. or J.D.):									
Institutions conferring degrees	(NA)	128	134	134	145	154	169	189	178
Degrees conferred, total	(NA)	8,209	9,240	11,583	14,818	20,296	34,104	34,402	35,847
Men	(NA)	7,921	9,010	11,218	14,115	24,881	28,447	28,457	29,180
Women	(NA)	288	230	367	801	4,415	7,657	8,945	10,754
Engineering:									
Degrees conferred, total	57,159	27,527	45,824	50,884	63,753	65,308	68,114	74,492	80,378
Men	56,988	(NA)	45,453	(NA)	63,227	63,853	65,103	69,861	74,168
Women	191	(NA)	171	(NA)	526	1,455	3,011	4,631	6,208
Bachelor's ¹	52,248	22,445	37,679	36,485	44,479	48,852	49,283	55,854	62,375
Master's ²	4,488	4,483	7,159	12,055	15,583	15,348	16,245	18,388	15,495
Doctorates	417	599	786	2,124	3,681	3,108	2,586	2,440	2,507

NA Not available. ¹Includes first professional. ²Includes second professional or second level.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 280. EARNED DEGREES BELOW BACHELOR'S, BY CURRICULUM: 1971 TO 1980

[In thousands, except percent. Includes Puerto Rico and outlying areas. Covers associate degrees and other awards based on post-secondary curricula of less than 4 years in institutions of higher education]

TYPE OF CURRICULUM	1971	1974	1975	1976	1977	1978	1979	1980	PERCENT FEMALE		
									1971	1976	1980
All degrees	303.4	429.7	448.5	487.7	511.0	524.0	515.4	512.9	44.5	46.7	54.5
Arts, science (incl. general programs)	150.0	188.2	171.4	174.7	178.0	172.0	162.7	159.8	43.2	45.3	53.1
Occupational ¹	153.5	260.5	277.2	313.0	334.5	352.0	352.7	353.3	45.7	47.6	55.1
Science and engineering	87.7	147.3	159.0	174.8	186.4	194.3	193.5	193.5	42.0	47.9	50.1
Health services	34.5	70.3	75.7	83.5	88.0	90.8	90.0	86.6	91.6	87.5	88.1
Nursing, R.N.	14.4	28.7	32.4	34.3	35.9	36.8	35.9	35.7	95.8	93.1	93.5
Mechanical and engineering	37.4	52.8	56.3	63.3	68.1	71.6	71.3	72.5	1.4	2.6	7.4
Natural science	7.0	18.4	18.0	19.5	20.9	21.2	19.7	19.2	22.8	30.9	40.0
Data processing	8.7	8.0	7.9	8.5	9.4	10.8	12.5	15.1	35.6	32.6	50.3
Business and commerce	51.0	80.5	83.0	96.8	105.7	115.9	121.3	124.5	54.0	51.9	64.2
Secretarial	18.5	27.3	27.5	29.0	30.8	32.8	34.2	33.3	98.3	98.9	98.5
Public service	14.8	32.8	35.2	41.4	42.4	41.9	37.9	35.3	38.8	38.6	50.1
Police and corrections	6.9	15.9	17.0	20.3	20.0	19.3	16.0	14.5	6.1	12.4	26.3

¹1971 excludes degrees below the technical or semiprofessional level.

Source: U.S. National Center for Education Statistics, *Associate Degrees and Other Formal Awards Below the Baccalaureate*, annual.

No. 281. LIBRARIES—NUMBER, BY TYPE: 1980 AND 1981

TYPE	TOTAL		PERCENT		TYPE	TOTAL		PERCENT	
	1980	1981	1980	1981		1980	1981	1980	1981
Total¹	31,584	32,387	100.0	100.0	Academic	4,591	4,796	14.6	14.8
United States	28,636	29,278	90.7	90.1	Junior college	1,191	1,196	3.8	3.7
Public	8,717	8,782	27.6	27.1	Universities, colleges	1,811	1,882	5.8	5.8
Public branches	5,836	6,048	18.6	18.7	Departmental	1,489	1,688	4.8	5.1
Special	4,845	4,837	14.7	14.3	Law, medicine, religious	289	297	.9	.8
Medical	1,574	1,640	5.3	5.1	Armed Forces	485	485	1.5	1.5
Government	1,280	1,615	4.0	5.0	Law ²	417	404	1.3	1.2
Religious	813	870	2.6	2.7	Outlying areas	113	114	.4	.4

¹Includes public libraries with annual incomes of less than \$2,000 or book funds of less than \$500, law libraries with less than 10,000 volumes each, Canadian libraries, and libraries in regions administered by the U.S., not shown separately. ²Law libraries with more than 10,000 volumes.

Source: R.R. Bowker Co., New York, N.Y., *The Bowker Annual Library and Book Trade Information and American Library Directory*, annual. (Copyright by Xerox Corporation.)

No. 282. COLLEGE AND UNIVERSITY LIBRARIES—SUMMARY: 1979

[For school year ending in year shown. Based on survey of academic libraries and joint library systems in the U.S. and outlying areas. Data from Survey of College and University Libraries, 1979-1979. For definition of median, see Guide to Tabular Presentation.]

TYPE OF CONTROL AND ENROLLMENT SIZE	MATERIALS CIRCULATED		MEDIAN NUMBER OF VOLUMES—		OPERATING EXPENSES				STAFF ³	
	Total (1,000)	Median (1,000)	Added (1,000)	Held (1,000)	Total ¹ (\$1,000)	Wages and salaries ² (\$1,000)	Books (\$1,000)	Periodicals (\$1,000)	Total (1,000)	Professional staff (1,000)
All types, public	136,366	39	3	54	1,013	562	147	116	38,307	14,866
10,000 or more	66,216	195	21	439	616	336	66	79	22,760	8,420
5,000 to 9,999	26,017	57	5	67	199	111	30	20	7,379	2,636
1,000 to 4,999	22,118	19	2	39	179	105	28	15	7,367	3,128
500 to 999	1,613	6	1	21	15	9	2	1	591	305
500 or less	434	5	1	15	6	3	1	1	211	100
All types, private	64,911	16	2	64	490	262	77	61	20,199	8,787
10,000 or more	14,248	345	42	1,059	133	75	19	17	4,701	1,897
5,000 to 9,999	13,015	98	12	312	115	61	17	17	4,856	1,744
1,000 to 4,999	23,918	31	4	112	160	61	28	20	6,701	3,134
500 to 999	7,671	15	2	84	48	25	8	5	2,132	1,182
500 or less	5,960	5	1	25	36	18	6	3	1,717	1,030

¹ Includes expenses not shown separately.² Includes fringe benefits.³ Full time equivalent.

No. 283. NONCOLLEGIATE POSTSECONDARY SCHOOLS—ENROLLMENT AND INSTRUCTIONAL STAFF, BY TYPE OF SCHOOL: 1980

[For school year ending in June. Includes Puerto Rico. Covers schools offering occupational programs, including correspondence schools.]

ITEM	Unit	Total	Vocational and technical	Technical institute	Business and office	Cosmetology and barber	Trade	Arts/Design	Hospital	Allied health
Schools	Number	16,578	689	107	1,369	2,128	773	250	859	384
Total enrollment ²	1,000	1,400	468	29	439	143	173	49	45	59
Percent female	Percent	53.6	41.6	9.3	65.1	66.6	16.3	61.0	61.9	64.5
Full-time	1,000	930	290	25	295	113	125	32	44	46
Part-time	1,000	269	100	3	107	24	34	16	1	4
Public	1,000	456	437	(NA)	1	(x)	2	(NA)	6	11
Private	1,000	944	29	29	438	143	171	48	39	46
Instructional staff	1,000	59	20	1	10	8	5	3	8	3
Percent female	Percent	49.9	35.3	10.4	56.1	77.5	13.0	43.1	78.3	68.9

NA Not available. Z Less than 500.

¹ Excludes 928 flight schools and 224 other noncollegiate postsecondary schools for which enrollment data are not available.

² Enrollment data are based on a sample from 6,320 schools reporting and include those whose status was not reported.

Source of tables 282 and 283: U.S. National Center for Education Statistics, unpublished data.

No. 284. FEDERALLY AIDED VOCATIONAL PROGRAMS—ENROLLMENT AND EXPENDITURES: 1950 TO 1980

[For years ending June 30. Except as noted, includes Puerto Rico for all years; Virgin Islands from 1966; Guam from 1969; American Samoa and Trust Territory of the Pacific Islands from 1976. See also *Historical Statistics, Colonial Times to 1970*, series H 572-581.]

YEAR	ENROLLMENT (1,000)					EXPENDITURES (mil. dol.)		
	Total ¹	Home economics	Office occupations	Trade, industrial	Agriculture	Total	Federal	State and local
1950	3,365	1,430	-	805	765	129.7	26.6	102.1
1955	3,314	1,432	-	871	776	164.8	30.4	134.4
1960	3,768	1,588	-	936	798	236.8	45.3	193.5
1965	5,431	2,099	731	1,068	858	604.6	156.9	447.7
1970	8,794	2,570	2,111	1,906	863	1,665.2	300.7	1,565.5
1974	13,556	3,709	2,757	2,624	976	3,433.9	466.2	2,965.6
1975	15,340	3,746	2,951	3,017	1,013	4,037.3	536.1	3,501.1
1976	15,346	3,986	3,115	3,110	1,060	4,713.6	543.2	4,170.4
1977	16,464	4,184	3,273	3,247	1,056	4,962.6	533.6	4,428.9
1978 ²	16,903	4,047	3,294	3,360	1,001	5,639.8	486.6	5,150.1
1979 ²	16,828	4,171	3,422	3,365	959	6,615.0	645.6	5,969.4
1980 ²	16,453	3,998	3,400	3,216	879	6,666.5	732.0	6,134.5

- Represents zero. ¹ Includes programs not shown separately. Represents unduplicated enrollment.

² Excludes expenditures for State administration.

³ Excludes outlying areas.

Source: U.S. Office of Human Development Services, *Vocational and Technical Education*, annual, U.S. Dept. of Education, Division of Vocational and Technical Education, *Status of Vocational Education in 1978*; National Center for Education Statistics, *A Statistical Overview of Vocational Education*; and unpublished data.

No. 255. WORK/TRAINING ACTS—ENROLLMENTS AND OBLIGATIONS: 1979 TO 1981

[For years ending Sept. 30, except as noted. Covers programs administered by the U.S. Dept. of Labor]

PROGRAM	FIRST-TIME ENROLLMENTS (1,000)			CURRENT ENROLLMENTS ¹ (1,000)			OBLIGATIONS (mil. dol.)		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
Total.....	4,013	2,988	3,325	2,743	2,757	2,988	10,580	8,777	7,444
CETA ²	3,044	2,610	2,145	1,209	1,135	481	10,097	8,263	6,914
Training and Work Experience.....	691	795	652	299	337	248	1,943	2,045	2,119
Public Service Employment.....	694	385	174	555	333	22	5,779	3,162	1,755
Special Target Groups ³	176	209	133	175	244	21	414	507	528
Job Corps.....	59	71	75	33	39	44	401	401	573
Summer Youth Program.....	821	691	717	(x)	(x)	5	862	725	793
Young Adult Conservation Corps.....	41	48	35	20	15	28	227	223	164
Private Sector Initiative Program.....	(x)	50	74	(x)	27	30	(x)	368	148
Youth Employment Training Program.....	362	363	285	124	140	65	671	832	634
Older Americans Act.....	48	52	24	40	55	57	221	267	277
Work Incentive Program.....	921	1,037	1,158	1,502	1,587	1,567	272	247	253

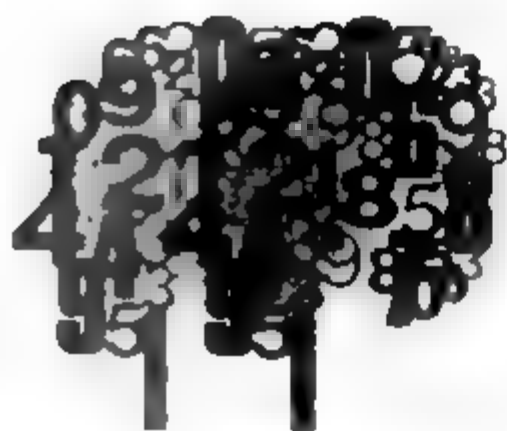
X Not applicable. ¹ As of Sept. 30. ² Comprehensive Employment and Training Act. ³ Includes Indian and Migrant programs.
Source: U.S. Employment and Training Administration, *Employment and Training Report of the President*, annual.

No. 286. ADULT EDUCATION—PARTICIPATION, BY SELECTED CHARACTERISTICS AND PROVIDER OF INSTRUCTION: 1981

[For year ending in May. Includes all participants in adult education 17 years old and over regardless of their enrollment status in high school or college]

ITEM	Total	Male	Female	White	Black	Hispanic ¹
Participants in adult education (1,000).....	21,252	9,358	11,893	18,674	1,299	769
Percent of population	12.8	12.0	13.6	13.8	7.5	8.6
PERCENT OF POPULATION						
Age:						
17-34 years	16.2	14.6	17.7	17.8	9.3	9.9
35-54 years	15.1	14.1	16.0	16.4	8.2	8.9
55 years and over	5.3	5.0	5.5	5.7	2.5	2.9
Highest level of education:						
Eight years of school or less.....	2.2	2.2	2.2	1.7	1.9	3.5
1-3 years of high school.....	5.6	4.9	6.1	5.9	4.2	4.9
4 years of high school.....	11.1	9.7	12.1	11.1	7.6	10.9
1 to 3 years of college.....	19.6	17.2	21.8	20.5	13.0	17.9
4 years of college.....	26.1	23.4	29.2	26.9	20.0	19.1
5 or more years of college.....	31.1	28.4	35.6	31.4	30.3	31.0
Annual family income:						
Under \$7,500.....	6.3	5.2	7.0	6.8	4.6	5.5
\$7,500-\$9,999.....	8.2	6.8	9.3	8.7	4.5	7.3
\$10,000-\$14,999.....	11.0	8.6	13.0	11.6	7.8	8.6
\$15,000-\$19,999.....	13.2	11.7	14.6	14.0	9.7	8.6
\$20,000-\$24,999.....	15.1	14.5	15.8	16.0	9.8	8.9
\$25,000-\$49,999.....	18.3	17.1	19.5	18.8	14.0	13.2
\$50,000 and over.....	18.8	17.7	20.1	18.8	15.5	17.0
Not reported.....	7.5	6.7	8.1	7.5	5.6	6.4
PERCENT DISTRIBUTION ²						
Provider of instruction:						
Elementary, junior, or high school.....	6.8	4.5	8.6	6.4	7.0	14.9
2-year college or voc-tech institute.....	18.8	16.3	20.7	18.3	19.6	26.7
4-year college or university.....	19.2	19.8	18.6	19.5	19.1	12.0
Vocational, trade, or business school.....	9.1	8.2	9.8	9.0	10.5	8.0
Tutor or private instructor.....	4.4	3.1	5.4	4.7	1.8	3.3
Business or industry	13.7	19.6	9.2	14.4	8.7	10.1
Labor organization or professional asen.....	5.0	6.8	3.7	5.2	3.5	1.7
Government agency.....	7.8	9.1	6.9	7.6	13.0	7.4
Private community organization.....	8.5	5.8	10.5	8.7	5.6	7.2
Other.....	6.7	7.0	6.5	6.3	11.2	6.7
Employer provided course for employees.....	24.8	31.1	19.9	24.9	28.2	19.9

¹ Persons of Hispanic origin may be of any race. ² Percentages total more than 100 since some adults received instruction from more than one type of provider.
Source: U.S. National Center for Education Statistics, *Participation in Adult Education, 1981*.



Section 6

Law Enforcement, Federal Courts, and Prisons

This section presents data on crimes committed, victims of crimes, arrests, and related data. A major source of these data is the Bureau of Justice Statistics (BJS), formerly the Law Enforcement Assistance Administration. BJS issues several reports, including *Sourcebook of Criminal Justice Statistics*, *Criminal Victimization in the United States*, *Prisoners in State and Federal Institutions*, *Children in Custody*, *National Survey of Court Organization*, *Census of State Correctional Facilities*, *Census of Jails and Survey of Jail Inmates*, *Parole in the United States*, and *Capital Punishment*. In addition, the annual *Expenditure and Employment Data for the Criminal Justice System* is issued jointly by BJS and the Bureau of the Census. For other BJS reports, see "Law Enforcement, Federal Courts, and Prisons" in Appendix IV.

Other major sources of these data include: *Crime in the United States*, issued annually by the Federal Bureau of Investigation (FBI); the *Annual Report of the Director, Court Management Statistics*, and *Federal Offenders*, issued by the Administrative Office of the U.S. Courts; *Governmental Finances and Public Employment*, issued annually by the Bureau of the Census; and the *Statistical Report*, issued annually by the Federal Bureau of Prisons. *State Court Caseload Statistics* are issued annually by the National Center for State Courts.

Legal jurisdiction and law enforcement.—Law enforcement is, for the most part, a function of State and local officers and agencies. The U.S. Constitution reserves general police powers to the States. By act of Congress, Federal offenses include only offenses against the U.S. Government and against or by its employees while engaged in their official duties, and offenses which involve the crossing of State lines or an interference with interstate commerce. Excluding the military, there are 52 separate criminal law jurisdictions in the United States: 1 in each of the 50 States, 1 in the District of Columbia, and the Federal jurisdiction. Each of these has its own criminal law and procedure and its own law enforcement agencies. While the systems of law enforcement are quite similar among the States, there are often substantial differences in the penalties for like offenses.

Law enforcement can be divided into three parts. The first covers investigation of crimes and arrest of persons suspected of committing them; the second phase is prosecution of those charged with crime; and the third phase is concerned with the punishment or treatment of persons convicted of crime.

Crime.—There are two major approaches taken in determining the extent of crime. One perspective is provided by the FBI through its Uniform Crime Reporting Program (UCR). The FBI receives monthly and annual reports from law enforcement agencies throughout the country, currently representing 97 percent of the national population. Each month, city police, sheriffs, and State police file reports on the number of index offenses that become known to them. The FBI Crime Index offenses are as follows: *Murder and nonnegligent manslaughter*, is based on police investigations, as opposed to the determination of a medical examiner or judicial body, includes wilful felonious homicides, and excludes attempts and assaults to kill, suicides, accidental deaths, justifiable homicides, and deaths caused by negligence; *forcible rape* includes forcible rapes and attempts; *robbery* includes stealing or taking anything of value by force or violence or threat of force or violence and includes attempted robbery; *aggravated assault* includes assault with intent to kill; *burglary* includes any unlawful entry to commit a felony or a theft and includes attempted burglary and burglary followed by larceny; *larceny* includes theft of property or articles of value without use of force and violence or fraud and excludes embezzlement, "con games," forgery, etc.; *motor vehicle theft* includes all cases where vehicles are driven away and abandoned, but excludes vehicles taken for temporary use and returned by the taker.

The monthly Uniform Crime Reports also contain data on crimes cleared by arrest and on characteristics of persons arrested for all criminal offenses. Annual reports provide an accounting of the number of persons formally charged and their disposition. In summarizing and publishing crime data, the FBI does not vouch for the validity of the reports it receives, but presents the data as information useful to persons concerned with the problem of crime and criminal-law enforcement.

A second perspective on crime is provided by BJS through the National Crime Survey (NCS) conducted by the U.S. Bureau of the Census. The NCS measures crimes of rape, robbery, assault, burglary, personal and household larceny, and motor vehicle theft. Murder and kidnapping are not covered, and commercial burglary and robbery were dropped from the program during 1977. The so-called victimless crimes, such as drunkenness, drug abuse, and prostitution, also are excluded, as are crimes for which it is difficult to identify knowledgeable respondents or to locate data records.

A variety of attributes of victimized persons and households appear on victimization rate tables. For crimes against persons, the rates are based on the total number of individuals age 12 and over or on a portion of that population sharing a particular characteristic or set of traits. Household crimes are regarded as being directed against the household as a unit rather than against the individual members. As general indicators of the danger of having been victimized during the reference period, the rates are not sufficiently refined to represent true measures of risk for specific individuals or households. For further detail regarding the NCS, see *Criminal Victimization in the United States*, by the U.S. Bureau of Justice Statistics.

Courts.—Court statistics on criminal offenses and the outcome of prosecutions are incomplete for the country as a whole, although data are available for many States individually. The only national compilations of such statistics were made by the Bureau of the Census for 1932 to 1945 covering a maximum of 32 States.

The bulk of civil and criminal litigation in the country is commenced and determined in the various State courts. Only when the U.S. Constitution and acts of Congress specifically confer jurisdiction upon the Federal courts may civil litigation be heard and decided by them. Generally, the Federal courts have jurisdiction over the following types of cases: Suits or proceedings by or against the United States; civil actions between private parties arising under the Constitution, laws, or treaties of the United States; civil actions between private litigants who are citizens of different States; civil cases involving admiralty, maritime, or prize jurisdiction; and all matters in bankruptcy.

There are several types of courts with varying degrees of legal jurisdiction. These jurisdictions include original, appellate, general, and limited or special. A *court of original jurisdiction* is one having the authority initially to try a case and pass judgment on the law and the facts; a *court of appellate jurisdiction* is one with the legal authority to review cases and hear appeals; a *court of general jurisdiction* is a trial court of unlimited original jurisdiction in civil and/or criminal cases, also called a "major trial court"; a *court of limited or special jurisdiction* is a trial court with legal authority over only a particular class of cases, such as probate, juvenile, or traffic cases.

The 94 Federal courts of original jurisdiction are known as the U.S. district courts. One or more of these courts is established in every State and one each in the District of Columbia, Puerto Rico, the Virgin Islands, the Northern Mariana Islands, and Guam. Appeals from the district courts are taken to intermediate appellate courts of which there are 13, known as U.S. courts of appeals and the United States Court of Appeals for the Federal Circuit. The Supreme Court of the United States is the final and highest appellate court in the Federal system of courts.

Juvenile offenders.—For statistical purposes, the FBI and most States classify as juvenile offenders persons under the age of 18 years who have committed a crime or crimes.

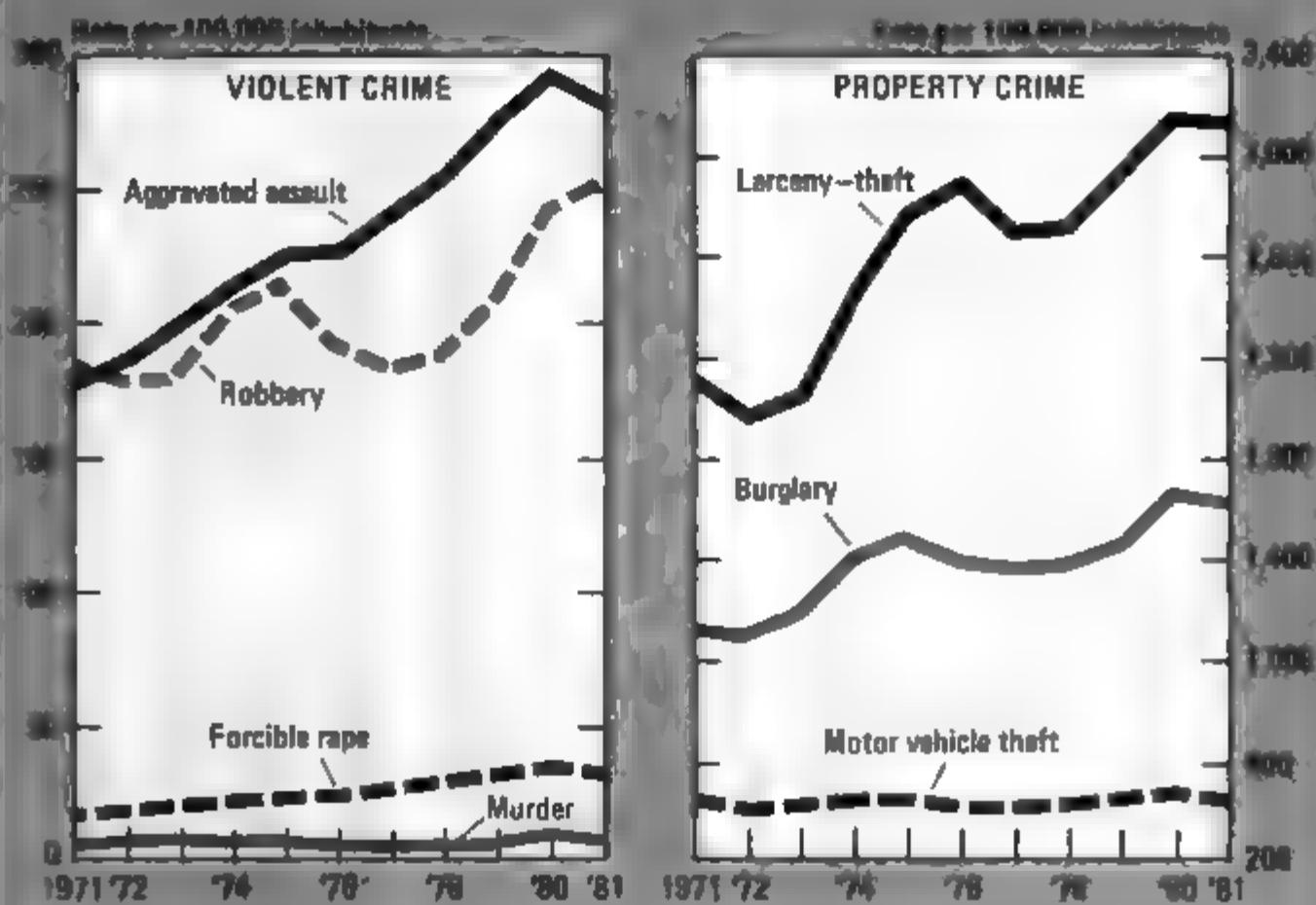
Delinquency cases are all cases of youths referred to a juvenile court for violation of a law or ordinance or for seriously "antisocial" conduct. Several types of facilities are available for those adjudicated delinquent, ranging from the short-term physically unrestricted environment to the long-term very restrictive atmosphere.

Prisoners.—Data on prisoners in Federal and State prisons and reformatories were collected annually by the Bureau of the Census until 1950, by the Federal Bureau of Prisons until 1971, transferred then to LEAA, and, in 1979, to Bureau of Justice Statistics. Adults convicted of criminal activity may be given a prison or jail sentence. A *prison* is a confinement facility having custodial authority over adults sentenced to confinement of more than one year. A *jail* is a facility, usually operated by a local law enforcement agency, holding persons detained pending adjudication and/or persons committed after adjudication to one year or less. Nearly every State publishes annual data either for its whole prison system or for each separate State institution.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability pertaining to the National Crime Survey and Uniform Crime Reporting Program, see Appendix III.

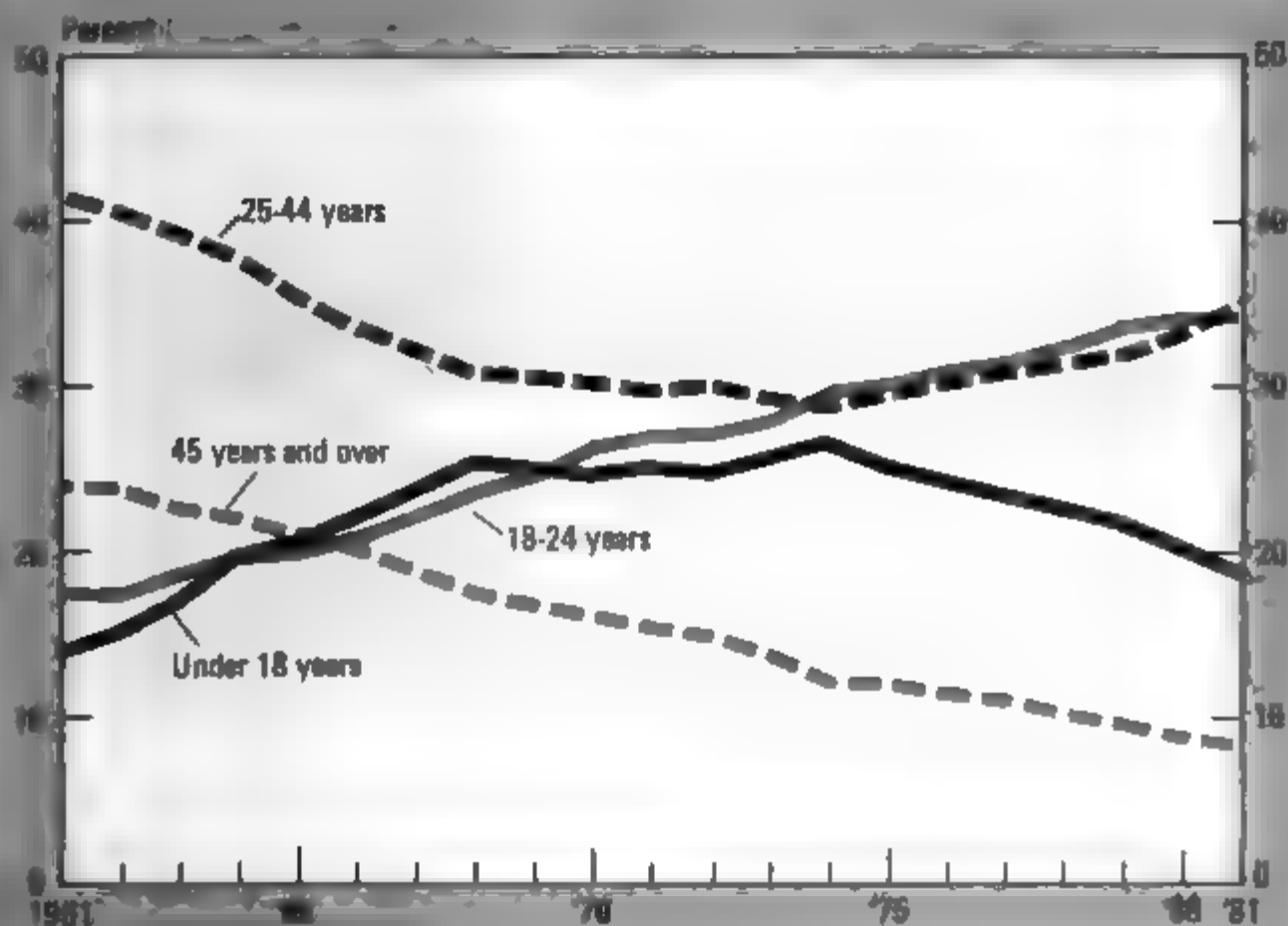
Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

Figure 6.1
Selected Crime Rates: 1971 to 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 287

Figure 6.2
Persons Arrested—Percent by Age: 1961 to 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 303.

No. 287. CRIMES AND CRIME RATES, BY TYPE: 1972 TO 1981

[Data refer to offenses known to the police. Rates are based on Bureau of the Census estimated resident population as of July 1, except 1980, enumerated as of April 1. Minus sign (–) denotes decrease. For definitions of crimes, see text, pp. 171 and 172. For explanation of average annual percent change, see Guide to Tabular Presentation. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 952-961 for related data]

ITEM AND YEAR	Total	VIOLENT CRIME					PROPERTY CRIME			
		Total	Mur- der ¹	Forc- ible rape	Rob- bery	Aggra- vated assault	Total	Bur- glary	Larce- ny— theft	Motor vehi- cle theft
Number of offenses (1,000):										
1972	8,249	835	18.7	46.9	376	393	7,414	2,376	4,151	887
1973	8,718	876	19.6	51.4	384	421	7,842	2,566	4,348	929
1974	10,253	975	20.7	55.4	442	456	9,279	3,039	5,263	977
1975	11,257	1,026	20.5	56.1	465	485	10,230	3,252	5,978	1,001
1976	11,305	987	18.8	56.7	420	491	10,318	3,090	6,271	958
1977	10,936	1,010	19.1	63.0	405	523	9,926	3,052	5,906	968
1978	11,141	1,062	19.6	67.1	417	558	10,080	3,104	5,983	982
1979	12,153	1,179	21.5	76.0	467	614	10,974	3,299	6,578	1,097
1980	13,295	1,309	23.0	82.1	549	655	11,987	3,759	7,113	1,115
1981	13,290	1,322	22.5	81.5	574	644	11,968	3,740	7,155	1,074
Average annual percent change:										
1972-1976	9.3	4.5	.1	5.3	2.9	6.2	9.8	7.5	12.8	2.0
1977-1981	5.4	7.7	4.4	7.3	10.5	5.8	5.1	5.6	5.3	2.7
1980-1981	(-2)	1.0	-2.3	-7	4.6	-1.7	-.2	-.5	.6	-3.6
Rate per 100,000 inhabitants:										
1972	3,961	401	9.0	22.5	181	189	3,560	1,141	1,994	426
1973	4,154	417	9.4	24.5	183	201	3,737	1,223	2,072	443
1974	4,850	461	9.8	26.2	209	216	4,389	1,438	2,490	462
1975	5,282	482	9.6	26.3	218	227	4,800	1,526	2,805	469
1976	5,266	460	8.8	26.4	196	229	4,807	1,439	2,921	446
1977	5,055	467	8.8	29.1	187	242	4,588	1,411	2,730	446
1978	5,109	467	9.0	30.8	191	256	4,622	1,424	2,744	455
1979	5,521	535	9.7	34.5	212	279	4,966	1,499	2,968	499
1980	5,900	581	10.2	36.4	244	291	5,319	1,668	3,156	495
1981	5,800	577	9.8	35.6	251	281	5,223	1,632	3,122	469
Average annual percent change:										
1972-1976	8.2	3.7	-.5	4.3	2.1	5.3	8.8	6.5	11.6	1.2
1977-1981	3.7	5.9	2.8	.8	7.6	4.1	3.5	3.9	3.6	1.2
1980-1981	-1.7	-.7	-3.9	-2.2	2.9	-3.3	-1.6	-2.2	-1.1	-5.2

Z Less than .05 percent. ¹ Includes nonnegligent manslaughter.
Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

No. 288. CRIMES KNOWN TO THE POLICE, BY TYPE AND AREA: 1980 AND 1981

[In thousands, except rate. Estimated totals based on reports from city and rural law enforcement agencies representing 97 percent of the national population. Covers crimes constituting "FBI Crime Index"; for definitions of crimes, see text, pp. 171 and 172. SMSA represents all agencies within standard metropolitan statistical area]

TYPE OF CRIME	1980						1981					
	SMSA's ¹		Other cities		Rural areas		SMSA's ¹		Other cities		Rural areas	
	Total	Rate ²	Total	Rate ²	Total	Rate ²	Total	Rate ²	Total	Rate ²	Total	Rate ²
Total	11,110	6,758	1,372	5,386	813	2,290	11,314	6,805	1,240	5,164	736	2,176
Violent crime	1,154	702	90	363	65	182	1,164	691	79	330	58	173
Murder and nonnegligent manslaughter	19	12	1	6	3	7	19	11	1	5	2	7
Forcible rape	71	43	5	21	6	16	71	42	5	21	5	15
Robbery	524	319	16	65	8	23	553	323	15	61	7	21
Aggravated assault	540	328	67	262	49	137	542	316	58	243	44	129
Property crime	9,955	9,955	1,282	5,043	749	2,108	10,129	5,913	1,181	4,834	678	2,003
Burglary	3,143	1,912	321	1,263	295	830	3,183	1,858	290	1,209	266	767
Larceny—theft	5,811	3,535	895	3,519	406	1,144	5,969	3,485	814	3,390	371	1,097
Motor vehicle theft	1,001	609	66	260	48	134	977	570	57	236	40	119

¹ For definition, see text, Appendix II. ² Rate per 100,000 population; see headnote, table 287.
Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 200. CRIME RATES BY STATES, 1978 TO 1980, AND BY TYPE, 1981

[Offenses known to the police per 100,000 population. Based on Bureau of the Census estimated resident population as of July 1, except 1980, enumerated as of April 1. For definitions of crimes, see text, pp. 171 and 172]

STATE	1978, total	1979, total	1980, total	1981							
				Total	Violent crime				Property crime		
					Murder ¹	Forcible rape	Robbery	Aggravated assault	Burglary	Larceny —theft	Motor vehicle theft
U.S. ²	5,108	5,521	5,900	5,808	9.8	35.8	290.8	261	1,832	3,122	488
AL.	4,977	5,808	5,713	5,548	4.8	33.4	304.6	240	1,884	2,790	729
Ala.	4,138	4,307	4,388	4,243	3.2	12.8	32.5	147	1,244	2,810	184
AL.	4,088	4,579	4,880	4,322	2.8	18.5	35.8	92	1,166	2,748	241
VI.	3,807	5,299	4,988	5,081	4.3	33.0	27.6	63	1,580	3,080	293
Mass.	5,350	5,918	6,079	5,835	3.8	27.4	270.9	327	1,848	2,560	869
RI.	5,252	5,770	5,993	5,852	4.2	17.9	132.0	288	1,855	2,891	854
Conn.	4,929	5,780	5,862	5,837	5.4	21.9	248.1	175	1,892	3,095	803
MA.	4,844	5,282	5,786	5,729	9.9	28.8	463.7	288	1,631	2,708	827
N.Y.	5,792	6,205	6,912	6,905	12.9	31.1	684.0	342	1,992	3,088	778
N.J.	5,207	5,821	6,401	6,180	7.9	32.1	334.6	267	1,783	3,123	883
Pa.	3,185	3,495	3,738	3,883	8.1	22.4	186.8	157	1,032	1,911	388
E.N.C.	4,835	5,213	5,888	5,485	8.2	30.8	200.5	219	1,384	3,118	454
Ohio	4,859	5,130	5,431	5,447	7.4	31.0	236.9	221	1,494	3,032	425
Ind.	4,339	4,801	4,980	4,540	7.1	29.8	129.0	176	1,169	2,880	339
Ill.	5,018	5,189	5,275	4,950	10.5	24.1	209.3	200	1,183	2,853	480
Mich.	5,584	6,147	6,578	6,854	9.4	47.5	257.5	326	1,862	3,715	835
Wis.	3,880	4,388	4,799	4,767	3.4	15.7	88.8	100	1,072	3,290	217
W.N.C.	4,081	4,446	4,874	4,816	5.2	23.8	118.3	170	1,278	2,847	373
Minn.	4,144	4,393	4,789	4,737	2.1	25.8	104.3	98	1,278	2,979	252
Iowa	3,980	4,302	4,747	4,717	2.6	13.4	53.8	134	1,067	3,222	223
Mo.	4,527	4,940	5,433	5,351	10.4	28.7	215.2	265	1,583	2,847	381
N. Dak.	2,405	2,758	2,984	2,991	2.3	8.7	12.9	44	501	2,258	185
S. Dak.	2,689	2,990	3,243	3,013	1.8	11.5	17.8	74	636	2,129	144
Nebr.	3,441	3,393	4,305	4,178	3.1	20.5	70.7	87	913	2,878	207
Kans.	4,544	4,895	5,379	5,404	8.3	30.8	109.7	223	1,544	3,238	256
S.A.	5,180	5,888	6,081	5,889	12.2	28.8	246.1	370	1,888	3,298	330
Del.	6,354	6,526	6,777	6,889	6.7	28.4	141.1	333	1,610	4,140	430
Md.	5,814	6,295	6,830	6,558	8.9	38.8	424.4	414	1,880	3,577	434
Va.	4,073	4,361	4,620	4,571	8.8	27.2	133.2	163	1,188	2,980	202
W. Va.	2,270	2,325	2,552	2,619	8.0	14.8	50.2	104	775	1,480	188
N.C.	3,882	4,372	4,840	4,520	9.1	22.7	80.8	324	1,337	2,549	188
S.C.	4,698	5,068	5,439	5,319	10.4	36.3	120.2	474	1,598	2,808	275
Ge.	4,771	5,417	5,804	5,828	17.2	42.4	196.4	292	1,672	3,074	335
Fla.	7,069	7,688	8,402	8,032	15.0	56.1	348.9	545	2,378	4,242	450
E.S.C.	3,386	3,887	4,181	4,141	10.5	28.4	128.5	213	1,285	2,307	279
Ky.	3,023	3,184	3,434	3,532	8.4	20.8	100.7	159	1,082	1,945	235
Tenn.	3,880	4,013	4,488	4,311	9.7	37.6	171.7	193	1,384	2,181	334
Ark.	3,939	4,244	4,934	4,889	11.9	28.1	125.5	308	1,451	2,893	284
Miss.	2,555	2,961	3,417	3,537	12.6	26.0	81.4	185	1,171	1,881	181
W.S.C.	5,825	5,443	5,857	5,547	14.8	42.8	174.1	288	1,584	2,872	478
Ark.	3,482	3,621	3,811	3,795	8.1	25.2	77.4	199	1,078	2,221	187
La.	4,792	5,359	5,454	5,288	15.6	41.4	202.0	379	1,435	2,833	382
Okla.	4,130	4,703	5,053	4,837	9.0	35.2	115.4	267	1,589	2,403	418
Tex.	5,557	5,925	6,143	6,050	18.6	46.2	193.3	276	1,870	3,083	585
MT.	6,114	6,484	6,831	6,883	7.8	38.1	160.4	313	1,758	4,043	373
Mont.	3,916	4,461	5,024	5,019	3.4	22.1	38.1	189	986	3,519	280
Idaho	4,015	4,241	4,782	4,531	4.5	20.6	37.7	220	1,174	2,880	214
Wyo.	4,485	4,824	4,886	5,132	5.5	35.4	41.9	347	961	3,450	291
Colo.	6,832	7,051	7,333	7,353	8.1	45.6	158.5	319	2,082	4,378	414
N. Mex.	5,180	5,788	5,979	6,201	11.4	47.3	140.8	472	1,813	3,581	365
Ariz.	7,804	7,857	8,171	7,814	8.1	38.1	177.6	362	2,084	4,584	410
Utah.	4,979	5,492	5,881	5,750	2.3	28.4	84.8	182	1,275	3,882	294
Nev.	8,287	8,832	8,854	8,592	17.5	54.8	468.0	356	2,727	4,373	585
Pac.	8,881	7,233	7,588	7,381	11.8	54.1	328.9	384	2,144	3,888	583
Wash.	6,116	6,530	6,915	6,742	5.1	50.2	130.0	282	1,892	4,083	319
Oreg.	8,075	6,373	6,887	7,037	4.4	41.7	180.6	252	1,967	4,251	340
Calif.	7,136	7,489	7,839	7,580	13.0	56.2	388.2	408	2,238	3,818	673
Alaska	6,048	6,204	6,210	6,595	14.6	102.2	114.6	384	1,330	3,959	891
Hawaii	7,136	7,248	7,482	6,543	4.8	34.7	148.4	80	1,708	4,157	430

¹ Includes nonnegligent manslaughter. ² Includes District of Columbia, not shown separately.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 290. CRIME RATES FOR VIOLENT CRIMES IN CITIES, BY SIZE GROUP AND FOR SELECTED CITIES: 1972 TO 1981

[Offenses known to the police per 100,000 population. For types of violent crime, see table 291. Rates based on population of cities as estimated by FBI, using Bureau of the Census estimates as of July 1, of each year, except 1930 as of April 1. Minus sign (-) denotes decrease]

CITY-SIZE GROUP AND CITY	1981, city popu- lation (1,000)	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	ANNUAL PERCENT CHANGE	
												1972- 1979	1977- 1981
Cities with population of—													
250,000 or more	(X)	866	1,003	1,108	1,159	1,095	1,070	1,121	1,238	1,414	1,441	2.4	8.7
100,000-249,999	(X)	502	545	600	632	573	600	627	702	812	826	3.5	9.4
50,000-49,999	(X)	323	372	406	451	416	444	486	526	602	584	7.2	7.9
25,000-49,999	(X)	287	296	331	343	338	342	364	420	455	452	6.6	6.0
10,000-24,999	(X)	200	221	250	268	254	264	276	315	352	342	6.8	7.4
Fewer than 10,000	(X)	204	199	218	232	218	230	245	279	298	291	1.5	6.6
Selected cities:													
New York, N.Y.	7,070	1,525	1,483	1,515	1,781	1,781	1,829	1,894	1,862	2,126	2,220	4.2	9.1
Baltimore, Md.	797	1,889	1,771	1,861	1,862	1,848	1,726	1,675	1,853	2,112	2,224	-3.0	7.2
Washington, D.C.	636	1,665	1,558	1,803	1,774	1,481	1,427	1,412	1,609	2,011	2,275	-3.0	14.9
Detroit, Mich.	1,194	1,650	1,681	2,004	2,121	2,226	1,829	1,689	1,670	1,945	1,941	6.7	1.5
San Francisco, Calif.	892	1,144	1,197	1,135	1,384	1,616	1,409	1,598	1,875	1,885	1,735	10.4	5.9
Los Angeles, Calif.	3,031	1,128	1,064	1,068	1,114	1,167	1,209	1,320	1,515	1,742	1,743	9	11.0
Dallas, Tex.	937	905	998	886	885	815	1,019	1,134	1,298	1,409	1,380	-2.5	8.4
Memphis, Tenn.	654	585	748	819	840	736	784	792	848	1,070	1,079	6.5	8.4
Philadelphia, Pa.	1,887	785	755	871	887	884	835	856	827	1,029	1,044	-3.2	16.1
Chicago, Ill.	3,013	1,104	1,168	1,282	1,180	978	935	897	909	960	850	-2.8	-2.3
Phoenix, Ariz.	795	701	647	717	696	578	630	775	808	908	795	4.5	6.5
San Diego, Calif.	896	323	372	473	502	532	580	567	656	707	734	16.2	7.8
Indianapolis, Ind.	462	325	336	709	925	838	744	727	613	637	583	36.5	6.0
San Antonio, Tex.	821	510	587	624	549	436	491	422	495	541	567	-3.6	3.9

X Not applicable.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 291. CRIME RATES, BY TYPE—POPULATION-SIZE GROUPS AND SELECTED CITIES: 1981

[Offenses known to the police per 100,000 population, as of July 1. For definitions of crimes, see text, pp. 171 and 172]

CITY-SIZE GROUP ¹ AND CITY	Crime index, total	VIOLENT CRIME					PROPERTY CRIME			
		Total	Mur- der	Forc- ible rape	Rob- bery	Aggra- vated assault	Total	Bur- glary— breaking or entering	Larceny— theft	Motor vehicle theft
Total, 11,833 agencies	6,011	810	10.0	37	268	295	5,401	1,886	3,233	■
Total, 8,203 cities	7,179	782	11.4	43	358	340	6,427	1,824	3,903	■
Cities with population of—										
250,000 or more	9,471	1,441	23.5	73	844	501	8,030	2,650	4,313	1,068
100,000-249,999	8,771	826	13.1	56	950	407	7,845	2,478	4,874	595
50,000-49,999	6,954	584	7.4	38	228	310	6,371	1,927	3,881	■
25,000-49,999	6,310	452	5.7	29	155	283	5,658	1,625	3,810	423
10,000-24,999	5,278	342	4.5	20	92	225	4,936	1,309	3,308	319
Fewer than 10,000	4,757	291	4.0	18	64	216	4,466	1,093	3,136	237
Suburbs, 5,475 agencies²	4,875	373	5.6	26	111	230	4,503	1,376	2,792	335
Rural areas, 2,826 agencies	2,299	179	7.0	18	22	■	2,119	637	1,158	125
Selected cities:										
Dallas, Tex.	11,905	1,380	31.8	120	576	632	10,545	3,645	6,093	807
Phoenix, Ariz.	10,235	795	12.1	51	339	392	8,441	2,900	5,809	632
Detroit, Mich.	11,987	1,941	42.1	103	1,239	557	10,046	3,872	3,869	2,305
San Francisco, Calif.	10,376	1,735	18.2	97	1,067	553	8,641	2,580	5,106	975
New York, N.Y.	10,266	2,220	25.8	55	1,520	619	8,046	2,911	3,654	1,481
Washington, D.C.	10,678	2,275	35.1	65	1,635	■	8,403	2,647	5,164	592
Los Angeles, Calif.	10,033	1,743	29.0	86	929	697	8,290	2,863	4,025	1,402
Baltimore, Md.	9,727	2,224	26.8	71	1,344	781	7,502	2,313	4,623	666
San Diego, Calif.	7,962	734	10.5	62	370	292	6,628	2,083	3,789	776
Memphis, Tenn.	8,152	1,079	20.3	116	626	317	7,074	2,778	3,606	790
San Antonio, Tex.	7,560	587	22.5	46	224	275	6,893	2,447	3,950	596
Chicago, Ill.	5,753	850	29.1	42	535	244	4,903	1,000	2,928	976
Philadelphia, Pa.	5,963	1,044	21.5	55	■	326	4,919	1,581	2,355	982
Indianapolis, Ind.	7,340	983	14.1	87	475	407	6,357	2,162	3,634	581

¹ See headnote, table 290. ² Agencies also included in other city groups.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

No. 292. VICTIMIZATION RATES OF CRIMES AGAINST PERSONS: 1975 TO 1980

[Rates per 1,000 persons, 12 years old and over. Includes attempted crimes. Data based on National Crime Survey; see Appendix III]

YEAR AND CRIME	Total ¹	White	Black	MALE			FEMALE			VICTIM-OFFENDER RELATIONSHIP	
				Total ¹	White	Black	Total ¹	White	Black	Stranger	Non-stranger
1975: Total ²	33	31	43	44	42	53	23	21	34	21	11
Rape.....	1	1	1	(B)	(B)	(B)	2	2	2	1	(Z)
Robbery:											
With injury.....	2	2	5	3	3	8	1	1	3	2	(Z)
Without injury.....	5	4	9	7	6	14	3	2	5	4	1
Aggravated assault.....	10	9	14	14	14	19	5	5	11	6	3
Simple assault.....	16	16	13	20	21	12	12	12	14	9	7
Personal larceny.....	96	97	90	106	106	110	85	87	73	(NA)	(NA)
1975: Total ²	36	34	42	45	44	58	25	24	32	22	12
Rape.....	1	1	2	(B)	(B)	(B)	2	2	3	1	(B)
Robbery:											
With injury.....	2	2	4	3	3	6	1	2	2	2	(B)
Without injury.....	4	4	9	6	5	14	3	2	4	3	1
Aggravated assault.....	10	9	13	15	14	20	5	5	7	6	4
Simple assault.....	17	18	15	22	23	12	13	13	16	10	7
Personal larceny.....	92	93	87	99	100	96	85	86	80	(B)	(B)
1980: Total ²	33	32	40	44	43	52	23	22	30	21	12
Rape.....	1	1	1	(B)	(B)	(B)	2	2	2	1	(Z)
Robbery:											
With injury.....	2	2	4	3	3	6	2	2	3	2	1
Without injury.....	4	4	10	6	5	14	3	2	6	4	1
Aggravated assault.....	9	9	12	14	13	18	5	5	7	6	3
Simple assault.....	16	17	13	21	22	13	12	12	13	9	7
Personal larceny.....	83	83	79	89	89	87	78	78	73	(NA)	(NA)

B Estimated number of victimizations too small to be statistically reliable. NA Not available. Z Less than .5.
¹ Includes races not shown separately. ² Excludes personal larceny.

No. 293. VICTIMIZATION RATES OF CRIMES AGAINST HOUSEHOLDS: 1975 to 1980

[Rates per 1,000 households. Includes attempted offenses. Data based on National Crime Survey; see Appendix III; for further details, see source. For definitions of crimes, see text, pp. 171 and 172]

YEAR AND HOUSEHOLD CHARACTERISTIC	BURGLARY			LARCENY			MOTOR VEHICLE THEFT		
	Total ¹	White	Black	Total ¹	White	Black	Total ¹	White	Black
1975: All households.....	92	87	129	125	128	114	19	19	27
Homeowner.....	78	76	99	116	115	118	16	15	27
Renter.....	116	109	153	142	148	111	26	26	27
Households with income of—									
Under \$7,500.....	102	94	134	112	113	96	15	14	15
\$7,500–\$14,999.....	84	80	129	137	137	135	22	20	42
\$15,000 and over.....	91	80	113	136	136	151	23	22	48
1979: All households.....	84	90	114	134	133	133	18	17	22
Homeowner.....	69	67	91	117	116	133	13	12	22
Renter.....	113	106	133	165	171	133	26	27	22
Households with income of—									
Under \$7,500.....	94	90	112	115	117	107	12	11	13
\$7,500–\$14,999.....	87	83	113	143	142	143	19	18	25
\$15,000 and over.....	80	77	125	148	147	164	19	18	36
1980: All households.....	84	81	115	127	125	134	17	18	25
Homeowner.....	72	69	100	113	112	124	14	13	27
Renter.....	107	104	126	152	153	142	22	22	24
Households with income of—									
Under \$7,500.....	96	89	126	87	106	106	10	9	14
\$7,500–\$14,999.....	80	77	103	142	139	181	16	15	28
\$15,000 and over.....	82	81	112	134	133	146	19	19	31

¹ Includes other races not shown separately.

Source of tables 292 and 293: 1975, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

No. 294. VICTIMIZATION RATES OF CRIMES AGAINST PERSONS AND HOUSEHOLDS, BY TYPE: 1973 TO 1980

(Rate per 1,000 persons, 12 years old and over; and per 1,000 households. Data based on National Crime Survey; see Appendix II; for further detail see source. For definition of crimes, see text, pp. 171 and 172. Minus sign (-) denotes decrease)

SECTOR AND TYPE OF CRIME	CRIME VICTIMIZATION RATE								PERCENT CHANGE IN VICTIMIZATION RATE			
	1973	1974	1975	1976	1977	1978	1979	1980	1976-1980	1977-1980	1978-1980	1979-1980
Personal sector—												
Violent crime.....	32.6	33.0	32.8	32.6	33.9	33.7	34.5	33.1	1.7	-2.3	-1.8	-4.1
Rape.....	1.0	1.0	.9	.8	.9	1.0	1.1	.9	11.9	5.6	-3.1	-13.0
Robbery.....	6.7	7.2	6.8	6.5	6.2	5.9	6.3	6.5	1.2	5.1	11.0	4.5
Assault.....	24.9	24.8	25.2	25.3	26.8	26.8	27.2	25.7	1.5	-4.3	-4.5	-5.7
Aggravated.....	10.1	10.4	9.6	9.9	10.0	9.7	9.9	9.2	-6.6	-7.7	-5.0	-7.2
Simple.....	14.8	14.4	15.6	15.4	16.8	17.2	17.3	16.4	6.7	-2.2	-4.2	-4.9
Larceny—thrift.....	91.1	95.1	95.0	96.1	97.3	96.8	91.9	92.8	-13.8	-14.8	-14.4	-9.9
With contact.....	3.1	3.1	3.1	2.9	2.7	3.1	2.9	3.0	4.6	14.3	-2.9	5.6
Without contact.....	88.0	92.0	92.0	93.2	94.6	93.8	89.0	89.8	-14.4	-15.7	-14.8	-10.4
Household sector—												
Household burglary.....	91.7	93.1	91.7	88.9	88.5	86.0	84.1	84.2	-5.3	-4.9	-2.1	.1
Household larceny.....	107.0	123.8	125.4	124.1	123.3	119.9	133.7	126.5	2.0	2.7	5.5	-5.4
Motor vehicle theft.....	19.1	18.8	19.5	16.5	17.0	17.5	17.5	16.7	1.6	-1.4	-4.5	-4.5

Source: U.S. Bureau of Justice Statistics, *Criminal Victimization in the U.S.: Summary of 1979-80 Changes and 1973-80 Trends*, July, 1982.

No. 295. HOMICIDE VICTIMS, BY RACE AND SEX: 1950 TO 1979

(Rates per 100,000 resident population in specified group. Beginning 1970, excludes deaths to nonresidents of U.S. Deaths for 1979 classified according to the ninth revision of the *International Classification of Diseases*; for earlier years, classified according to the revision in use at the time, see text, p. 57. See also *Historical Statistics, Colonial Times to 1970*, series H 971-978)

YEAR	HOMICIDE VICTIMS						HOMICIDE RATE ¹					
	Total ²	White		Black		Total ¹	White		Black		Male	Female
		Male	Female	Male	Female		Male	Female	Male	Female		
1950.....	7,942	2,586	952	3,450	890	5.3	3.9	1.4	(NA)	(NA)		
1955.....	7,418	2,439	922	3,128	846	4.5	3.4	1.2	(NA)	(NA)		
1960.....	8,484	2,832	1,154	3,345	1,013	4.7	3.6	1.4	36.7	10.4		
1965.....	10,712	3,680	1,379	4,378	1,147	6.5	4.4	1.6	43.4	10.6		
1968.....	14,666	5,106	1,700	6,263	1,416	7.4	6.0	1.9	60.0	12.3		
1969.....	15,477	5,215	1,801	6,770	1,483	7.7	6.1	2.0	63.6	12.5		
1970.....	16,848	5,865	1,938	7,265	1,589	8.3	6.8	2.1	67.6	13.3		
1971.....	18,787	6,455	2,108	8,157	1,807	9.1	7.3	2.3	74.2	14.6		
1972 ³	19,638	6,820	2,156	8,594	1,768	9.4	7.7	2.3	76.8	14.4		
1973.....	20,465	7,411	2,575	8,216	1,965	9.8	8.3	2.8	72.5	15.8		
1974.....	21,465	7,992	2,656	8,480	1,978	10.2	8.9	2.8	73.8	15.7		
1975.....	21,310	8,222	2,751	8,062	1,929	10.0	8.1	2.9	68.6	15.1		
1976.....	19,554	7,568	2,547	7,327	1,757	9.1	8.3	2.7	62.2	13.6		
1977.....	19,968	7,951	2,787	7,135	1,734	9.2	8.7	2.9	59.7	13.2		
1978.....	20,432	8,429	2,771	7,118	1,739	9.4	9.2	2.9	58.7	13.0		
1979.....	22,550	9,392	2,942	7,938	1,874	10.2	10.1	3.0	64.6	13.8		

NA Not available. ¹ Includes races not shown separately. ² Rate based on enumerated population figures as of April 1 for 1950, 1960, and 1970; July 1 estimates for other years. ³ Based on a 50-percent sample of deaths.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

No. 296. HOMICIDE VICTIMS, 1960 TO 1979

(Beginning 1970, excludes deaths of nonresidents of the United States. See headline, table 295. See also *Historical Statistics, Colonial Times to 1970*, series H 971-986)

ITEM	1960, total	1969, total	1970		1976		1977		1978		1979	
			Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Homicides.....	6,454	16,712	13,276	3,679	15,142	4,412	15,385	4,813	15,936	4,694	17,529	4,923
Assault by—												
Firearms ¹	4,627	6,158	9,209	2,004	10,452	2,314	10,520	2,354	10,997	2,369	12,122	2,479
Percent of total.....	54.7	57.5	69.4	56.1	69.0	52.4	68.5	51.0	69.4	52.0	68.5	50.4
Cutting and piercing instruments.....	1,836	2,292	2,229	551	2,583	721	2,747	785	2,729	783	3,196	861
Other means.....	1,700	1,984	1,512	1,010	1,816	1,372	1,821	1,482	1,854	1,414	2,089	1,554
Intervention of police.....	245	271	328	5	289	5	288	2	257	8	337	8
Execution.....	56	7	-	-	-	-	1	-	1	-	3	-
Infanticides ²	190	215	90	70	68	82	66	81	82	79	104	68

- Represents zero. ¹ Includes explosives. ² Included above; homicide victims under 1 year of age.

National Center for Health Statistics, *Vital Statistics of the United States*, annual.

No. 297. HOMICIDE—VICTIMS AND RATE, SELECTED COUNTRIES: 1976 TO 1980

[Rates per 100,000 population of all ages]

COUNTRY	HOMICIDE VICTIMS					HOMICIDE RATE				
	1976	1977	1978	1979	1980	1976	1977	1978	1979	1980
U.S.....	19,554	19,988	20,432	(NA)	(NA)	9.1	9.2	9.4	(NA)	(NA)
Australia.....	285	272	258	265	280	2.0	1.9	1.8	1.8	1.9
Austria.....	94	96	106	96	91	1.3	1.3	1.4	1.3	1.2
Canada.....	583	807	586	(NA)	(NA)	2.4	2.6	2.5	(NA)	(NA)
Denmark.....	35	35	27	50	67	.7	.7	.5	1.0	1.3
Finland.....	155	135	143	(NA)	(NA)	3.3	2.8	3.0	(NA)	(NA)
France.....	479	522	540	(NA)	(NA)	.9	1.0	1.0	(NA)	(NA)
Germany, Fed. Rep. of.....	778	727	740	672	709	1.3	1.2	1.2	1.2	
Greece.....	80	58	66	66	(NA)	.7	.6	.7	.7	(NA)
Ireland.....	11	26	24	(NA)	(NA)	.3	.9	.7	(NA)	(NA)
Israel ¹	58	52	80	70	69	1.6	1.4	1.6	1.8	1.8
Japan.....	1,424	1,376	1,306	1,192	1,113	1.3	1.2	1.1	1.0	1.0
Netherlands.....	112	120	112	120	111	.8	.9	.8	.9	(NA)
Norway.....	30	33	30	38	(NA)	.7	.8	.7	.9	(NA)
Poland.....	416	454	446	362	(NA)	1.2	1.3	1.3	1.0	(NA)
Spain.....	187	240	338	(NA)	(NA)	.5	.7	(NA)	(NA)	(NA)
Sweden.....	103	97	82	112	97	1.3	1.2	1.0	1.4	1.2
Switzerland.....	58	54	46	58	(NA)	.9	.9	.7	.9	(NA)
United Kingdom:										
England ²	540	449	612	523	400	1.1	.9	1.2	1.1	.8
No. Ireland.....	210	220	87	(NA)	(NA)	13.7	14.3	5.7	(NA)	(NA)
Scotland.....	101	98	78	77	80	1.9	1.9	1.5	1.5	(NA)

NA Not available. ¹Jewish population. ²Includes Wales.

Source: World Health Organization, Geneva, Switzerland, unpublished data.

No. 298. MURDER VICTIMS, BY WEAPONS USED OR CAUSE: 1970 TO 1981

[Based solely on police investigation. See text, p. 171, for definition of murder]

YEAR	Murder victims, total	WEAPONS USED OR CAUSE OF DEATH							
		Guns		Cutting or stabbing		Blunt object ¹	Strangulations, beatings	Arson	All other ²
		Total	Percent	Total	Percent				
1970.....	13,649	9,039	66.2	2,424	17.8	604	1,031	353	196
1972.....	15,832	10,379	65.6	2,974	18.8	672	1,291	331	185
1973.....	17,123	11,249	65.7	2,985	17.4	648	1,445	173	423
1974.....	18,632	12,474	67.9	3,228	17.3	976	1,417	153	384
1975.....	18,642	12,061	65.8	3,245	17.4	1,001	1,646	193	496
1976.....	16,605	10,592	63.8	2,956	17.8	806	1,330	227	694
1977.....	18,033	11,274	62.5	3,440	19.1	849	1,431	252	787
1978.....	18,714	11,910	63.6	3,526	18.8	896	1,422	255	705
1979.....	20,591	13,040	63.3	3,954	19.2	997	1,557	276	767
1980.....	21,860	13,650	62.4	4,212	19.3	1,094	1,666	291	947
1981.....	20,053	12,523	62.4	3,886	19.4	1,038	1,469	258	879

¹Refers to club, hammer, etc. ²Includes poison, drownings, and unknown. ³Includes drownings etc.

No. 299. PERCENT OF FIREARMS USAGE IN SELECTED CRIMES, BY REGION: 1975 TO 1981

[For definitions of crimes, see text, pp. 171 and 172. For regions, see fig. 1. Murder includes nonnegligent manslaughter]

REGION	MURDER				AGGRAVATED ASSAULT				ROBBERY			
	1975	1976	1980	1981	1975	1979	1980	1981	1975	1979	1980	1981
U.S. total.....	65.8	63.3	62.4	62.4	24.9	23.0	23.9	23.6	44.8	39.7	40.3	40.1
Northeast.....	51.3	52.7	54.2	53.4	17.6	14.9	15.5	16.9	32.7	30.5	32.6	34.6
North Central.....	70.7	64.9	62.8	62.8	28.5	23.8	25.0	22.5	52.7	42.6	42.0	38.3
South.....	72.7	64.7	68.4	68.0	29.2	27.3	27.6	27.8	53.4	47.7	46.7	46.9
West.....	59.0	58.0	57.8	57.6	22.3	23.1	24.5	23.3	44.4	41.9	43.2	42.0

Source of tables 298 and 299: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 300. LAW ENFORCEMENT OFFICERS KILLED, BY GEOGRAPHIC DIVISION: 1960 TO 1981

[Covers officers killed in line of duty, beginning 1973, includes Federal officers. For composition of divisions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series H 967-988]

DIVISION	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total killed	48	83	148	178	179	¹ 185	¹ 140	¹ 126	145	¹ 165	¹ 165	¹ 167
By felons	(NA)	53	100	134	132	¹ 129	¹ 111	¹ 93	93	106	104	81
In accidents	(NA)	30	48	42	47	56	29	¹ 33	52	59	61	86
New England	3	3	2	7	2	4	4	2	4	2	6	6
Middle Atlantic	7	10	29	21	18	24	15	13	13	20	25	12
East North Central	9	10	38	21	43	32	19	10	13	23	14	15
West North Central	3	3	8	5	8	6	11	16	11	5	9	13
South Atlantic	13	15	23	37	42	31	34	31	23	36	32	35
East South Central	2	0	5	13	12	16	14	11	16	22	15	22
West South Central	6	14	15	30	23	22	21	23	30	19	25	24
Mountain	-	7	4	18	9	14	4	3	7	14	11	6
Pacific	5	12	24	21	18	22	13	15	24	18	21	19
Puerto Rico	(NA)	(NA)	(NA)	4	4	8	4	1	4	4	6	3

- Represents zero. NA Not available. ¹Includes one officer each in Virgin Islands and Guam. ²Includes one officer in Colombia. ³Includes one officer in Virgin Islands. ⁴Includes 2 officers in Guam. ⁵Includes one officer in American Samoa.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual; and unpublished data.

NO. 301. SELECTED CRIMES, BY TYPE: 1981

TYPE OF CRIME	Of- fenses (1,000)	PERCENT		Average value lost (dol.)	TYPE OF CRIME	Of- fenses (1,000)	PERCENT		Average value lost (dol.)
		Change from 1980 ¹	Incidence, 1981				Change from 1980 ¹	Incidence, 1981	
Robbery, total ²	554	4.5	100.0	685	Larceny—total ³	6,744	.3	100.0	346
Highway	289	4.9	52.1	441	Pocket picking	76	-6.0	1.1	235
Commercial house	72	-8	13.1	1,091	Purse snatching	104	3.0	1.5	199
Gas station	23	5.4	4.1	372	Shoplifting	708	5.6	11.4	72
Convenience store	36	-2.9	6.3	429	From motor vehicles	1,199	3.3	17.8	386
Residence	61	7.4	11.0	1,020	Motor vehicle accessories	1,295	-	19.0	192
Bank	8	-5.3	1.4	3,654	Bicycles	628	-6.8	9.3	139
Burglary, total	3,521	-7	100.0	924	From buildings	1,117	-2	16.6	518
Residence	2,373	.7	67.4	987	From coin-operated machines	56	1.5	.8	146
Nonresidence	1,148	-3.6	32.6	794					

- Represents zero. ¹Minus sign () denotes decrease. ²Includes types not shown separately.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual; and unpublished data.

NO. 302. REPORTED CHILD NEGLECT AND ABUSE CASES, BY DIVISION: 1977 TO 1980

[The following information was derived from data provided by State child protective services personnel to the National Study on Child Neglect and Abuse Reporting, a project conducted by The American Humane Association and funded through the National Center on Child Abuse and Neglect, OHDS, DHHS. The figures represent total numbers of child maltreatment reports that were documented within the States, which includes both substantiated and unsubstantiated reports. Also, the figures embody the variation among States with respect to whether they use individual child reports or reports which indicate all involved children in the family. Minus sign (-) indicates decline]

DIVISION	1980 popu- lation ¹ (1,000)	TOTAL NUMBER OF REPORTS (1,000)				PERCENT CHANGE			REPORTS PER 1,000 POPULATION ¹		
		1977	1978	1979	1980	1977- 1979	1979- 1980	1979- 1980	1977	1978	1980
U.S. total	227,158	516.4	608.6	707.4	795.1	17.7	15.6	11.0	2.7	3.2	3.5
New England	12,367	24.4	33.4	41.3	48.3	36.8	23.5	17.1	2.7	3.3	3.9
Middle Atlantic	36,832	79.2	78.3	85.5	91.9	-9.7	12.1	7.3	2.1	2.3	2.5
East North Central	41,706	48.9	69.1	104.5	105.3	41.2	51.7	.5	1.7	2.5	2.5
West North Central	17,202	52.4	68.8	88.6	77.7	31.4	-3.2	18.5	4.0	5.9	4.5
South Atlantic	37,142	77.8	98.3	125.2	154.8	23.8	31.0	22.4	2.7	3.5	4.2
East South Central	14,675	48.1	59.5	61.5	58.2	23.7	3.4	-5.3	4.1	4.2	4.0
West South Central	23,878	55.9	52.9	61.7	69.7	5.4	16.7	13.0	2.3	2.7	2.9
Mountain	11,426	29.7	38.6	31.8	37.7	30.0	-17.3	18.0	3.8	2.9	3.3
Pacific	31,927	98.0	111.7	127.8	141.8	12.8	14.4	11.0	3.7	4.1	4.4

¹Based on Bureau of the Census estimated resident population as of July 1

Source: American Humane Association, Denver, Colorado, *National Analysis of Official Child Neglect and Abuse Reporting*, annual.

No. 303. PERSONS ARRESTED—SEX, AGE, AND RACE: 1970 TO 1981

[Represents agencies reporting 6 to 12 months. See also *Historical Statistics, Colonial Times to 1970*, series H 999-1011]

ITEM	Unit	1970	1974	1976	1976	1977	1978	1979	1980	1981
SEX AND AGE										
Agencies reporting.....	Number.....	5,270	5,208	8,051	10,119	10,904	11,672	11,758	12,042	12,611
Population represented.....	Million.....	152	134	179	175	198	207	205	208	214
Percent of total population ¹	Percent.....	74.6	63.4	84.1	81.8	91.7	95.0	93.0	92.4	93.6
Persons arrested ²	1,000.....	6,570	6,179	8,014	7,912	9,029	9,775	9,506	9,703	10,296
Male.....	1,000.....	5,824	5,185	6,752	6,672	7,581	8,227	8,011	8,170	8,633
Percent of total.....	Percent.....	85.8	83.9	84.3	84.3	84.0	84.2	84.3	84.2	83.9
Percent under 18 yr.....	Percent.....	23.2	26.4	25.5	23.3	22.5	22.0	21.3	19.7	18.6
Female.....	1,000.....	947	994	1,262	1,240	1,448	1,548	1,495	1,533	1,660
Percent of total.....	Percent.....	14.4	16.1	15.7	15.7	16.0	15.8	15.7	15.8	16.1
Percent under 18 yr.....	Percent.....	37.5	38.1	35.5	33.5	32.2	30.4	29.4	27.1	25.0
Under 18 years.....	1,000.....	1,661	1,683	2,078	1,973	2,170	2,279	2,143	2,026	2,036
Percent of total.....	Percent.....	25.3	27.2	25.9	24.9	24.0	23.3	22.5	20.9	19.6
18-24 years.....	1,000.....	1,785	1,886	2,482	2,517	2,920	3,257	3,279	3,426	3,594
25-34 years.....	1,000.....	1,128	1,140	1,546	1,589	1,887	2,111	2,106	2,298	2,582
35-44 years.....	1,000.....	887	664	870	857	970	1,037	983	1,001	1,089
45-54 years.....	1,000.....	685	500	844	604	665	669	600	574	593
55 years and over.....	1,000.....	425	299	386	367	409	412	385	378	400
RACE										
Agencies reporting.....	Number.....	5,208	5,222	7,993	10,058	10,864	11,852	11,689	12,013	12,747
Population represented.....	Million.....	142	124	169	173	197	207	204	208	214
Percent of total population ¹	Percent.....	70.1	58.8	79.5	80.8	91.1	94.7	92.9	92.3	93.3
Persons arrested ²	1,000.....	6,257	5,853	7,671	7,384	8,972	9,688	9,466	9,664	10,264
White.....	1,000.....	4,373	4,112	5,539	5,337	6,429	6,793	6,849	7,146	7,482
Percent of total.....	Percent.....	69.9	70.3	72.2	72.3	71.7	70.1	72.3	73.6	72.9
Black.....	1,000.....	1,688	1,562	1,935	1,870	2,306	2,562	2,343	2,375	2,619
Other.....	1,000.....	196	179	197	177	235	333	276	163	163

¹Based on resident population as of July 1.
²Represents each person arrested rather than number of charges filed against each. Includes persons for whom age was not known, not shown separately in breakdown by age.

No. 304. PERSONS ARRESTED BY CHARGE, SEX, AND AGE: 1977 AND 1981

[In thousands, except percent. Represents arrests reported by 10,461 agencies (reporting 6 to 12 months) with a total 1981 population of 196,743,000 as estimated by FBI. Represents persons arrested, not charges]

PERSONS ARRESTED, BY CHARGE	MALE			FEMALE			PERCENT UNDER 18 YEARS OLD			
	1977	1981		1977	1981		Male		Female	
		Total	Under 18 yr.		Total	Under 18 yr.	1977	1981	1977	1981
Total persons arrested ¹	7,323.8	8,086.8	1,530.0	1,405.9	1,571.1	383.9	22.8	18.9	32.1	28.0
Serious crimes ²	1,566.4	1,756.8	508.8	390.6	417.5	139.1	42.4	34.1	37.9	31.2
Murder ³	14.3	17.2	1.7	2.4	2.5	.2	10.5	9.7	5.7	6.0
Forcible rape.....	24.7	26.4	4.2	.3	.3	.1	16.3	14.9	38.1	26.1
Robbery.....	111.4	132.3	38.3	8.9	10.2	2.9	32.3	29.0	31.0	28.3
Aggravated assault.....	186.8	220.6	30.0	27.7	32.0	5.6	16.1	13.6	19.0	17.4
Burglary—breaking or entering.....	414.6	433.5	184.7	26.6	28.8	12.5	51.8	42.6	6.1	6.7
Larceny—thft.....	669.6	803.3	291.1	312.2	331.3	103.2	45.2	36.2	36.2	31.2
Motor vehicle theft.....	120.9	105.5	41.7	10.7	10.3	4.9	52.5	39.6	59.2	47.2
Arson.....	14.2	15.9	7.0	1.6	2.1	.7	51.2	43.8	40.7	34.1
All other:										
Other assaults.....	335.4	377.2	59.2	53.9	62.3	15.9	17.7	15.7	28.6	25.5
Forgery and counterfeiting.....	45.9	52.5	5.6	19.1	24.9	2.4	13.3	10.7	12.4	9.7
Fraud.....	134.9	153.8	10.5	74.6	106.4	3.3	13.1	6.8	6.2	3.1
Embezzlement.....	4.9	5.5	.5	1.5	2.2	.2	12.0	9.5	11.2	9.4
Stolen property ⁴	90.6	103.6	28.6	10.9	12.6	2.8	33.8	27.6	26.7	22.0
Weapons (carrying, possessing).....	122.3	148.3	22.5	10.7	12.1	1.4	16.4	15.2	12.6	11.7
Prostitution and commercialized vice.....	22.2	26.2	.9	54.2	74.4	2.1	4.6	3.5	4.1	2.8
Sex offenses ⁵	53.9	59.0	9.8	5.3	4.6	.7	18.3	16.7	20.4	15.3
Drug abuse violations.....	475.4	477.3	76.0	76.7	73.1	14.7	22.7	15.9	27.5	20.1
Gambling.....	47.1	36.2	1.3	4.6	3.8	.1	4.4	3.5	2.4	1.8
Offenses against family and children.....	44.9	44.0	1.4	5.2	5.2	1.0	4.2	3.1	22.2	18.9
Driving while intoxicated.....	976.2	1,185.9	23.5	88.4	132.6	2.8	2.2	2.0	2.5	2.1
Liquor laws.....	281.2	333.6	95.6	45.6	60.1	29.1	34.6	28.6	54.4	48.4
Drunkenness.....	1,097.0	946.7	30.3	85.0	81.8	4.9	3.8	3.2	7.8	6.0
Disorderly conduct.....	499.9	604.9	92.7	104.3	112.2	16.6	19.1	15.3	20.9	16.6
Vagrancy.....	28.4	24.9	2.6	15.2	4.8	.6	15.6	11.2	6.8	11.9
All other offenses, except traffic.....	1,210.0	1,434.3	245.0	221.7	265.8	61.5	19.5	17.1	28.8	23.1

¹Includes vandalism, curfew violators and runaways. ²Includes arson arrests, a newly established index offense in 1979. ³Includes nonnegligent manslaughter. ⁴Buying, receiving, possessing. ⁵Excludes forcible rape and prostitution, shown separately.

Source of tables 303 and 304: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

No. 305. PERSONS ARRESTED, BY CHARGE, SEX, AND AGE: 1981

[Represents arrests (not charges) reported by 12,811 agencies (reporting 6 to 12 months) with a total 1981 population of 214 million as estimated by FBI]

PERSONS ARRESTED, BY CHARGE	Total (1,000)	PERCENT							
		Male	Under 15 yr.	Under 18 yr.	18-24 yr.	25-44 yr.	45-54 yr.	55-64 yr.	65 yr. and over
Total arrests.....	10,294	83.9	6.1	19.8	34.9	35.7	5.8	2.9	1.0
Serious crimes ¹	2,294	90.9	12.3	33.5	33.5	27.2	3.2	1.7	.8
Murder and nonnegligent manslaughter.....	20	87.3	1.0	9.1	34.1	45.8	6.4	3.1	1.5
Forcible rape.....	30	99.1	4.0	14.8	37.1	42.4	3.9	1.3	.5
Robbery.....	147	92.8	7.0	28.6	42.5	27.1	1.2	.4	.1
Aggravated assault.....	267	87.4	3.9	14.0	33.0	43.5	6.0	2.6	1.0
Burglary ²	490	83.7	14.7	42.6	36.4	19.2	1.1	.4	.2
Larceny—theft.....	1,198	70.9	14.4	34.8	31.2	26.7	3.8	2.3	1.2
Motor vehicle theft.....	122	91.1	9.7	40.5	35.8	21.5	1.6	.5	.2
Arson.....	19	88.5	25.9	42.4	25.0	26.4	4.1	1.5	.6
All other:									
Other assaults.....	466	85.9	6.0	17.0	33.1	42.1	5.2	2.0	.6
Forgery and counterfeiting.....	81	67.9	1.8	10.6	38.3	46.1	3.6	1.1	.3
Fraud.....	273	58.8	1.7	5.2	29.2	56.8	6.3	2.1	.5
Embezzlement.....	8	71.5	2.0	10.1	34.4	47.2	6.1	1.9	.4
Stolen property ³	122	89.2	7.4	27.0	39.1	29.6	2.9	1.1	.3
Vandalism.....	229	91.1	23.6	47.4	29.8	19.9	1.8	.7	.3
Weapons (carrying, etc.).....	171	92.5	3.7	14.9	35.0	40.9	5.7	2.6	1.0
Prostitution and commercialized vice.....	103	26.6	.3	2.9	56.8	36.2	2.2	1.5	.3
Sex offenses ⁴	68	92.2	6.4	16.5	29.1	41.8	7.1	3.9	1.6
Drug abuse violations.....	587	86.8	2.4	16.4	48.4	32.8	1.6	.7	.2
Gambling.....	41	90.5	.4	3.3	19.6	45.8	16.2	10.2	4.8
Offenses against family and children.....	52	89.5	2.7	4.6	28.4	59.2	6.0	1.4	.4
Driving while intoxicated.....	1,422	89.9	(z)	2.0	31.9	48.9	10.4	5.2	1.5
Liquor laws.....	453	84.8	2.1	30.6	51.4	13.5	2.5	1.4	.6
Drunkenness.....	1,069	92.1	.3	3.5	28.9	44.8	13.0	7.5	2.3
Disorderly conduct.....	749	84.4	4.1	15.5	39.6	35.5	5.6	2.9	.9
Vagrancy.....	32	84.1	2.8	11.3	36.8	40.9	6.6	3.3	1.0
Suspicion.....	15	86.3	5.7	20.5	38.0	36.7	3.3	1.1	.4
Curfew, loitering (juveniles).....	91	78.0	23.8	100.0	(x)	(x)	(x)	(x)	(x)
Runaways (juveniles).....	145	46.3	40.6	100.0	(x)	(x)	(x)	(x)	(x)
All other offenses, except traffic.....	1,802	84.4	5.0	17.7	37.7	37.0	4.7	2.1	.7

X Not applicable. Z Less than .05 percent ¹Includes arson arrests, a newly established index offense in 1979.
²Breaking or entering. ³Buying, receiving, possessing. ⁴Excludes forcible rape and prostitution, shown separately.

No. 306. ARSON ARRESTS—RACE, SEX, AND AGE: 1970 TO 1981

[Represents agencies reporting 6 to 12 months. See also *Historical Statistics, Colonial Times to 1970*, series H 999-1011]

ITEM	Unit	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
SEX AND AGE											
Agencies reporting.....	Number.....	5,270	6,004	5,298	8,051	10,119	10,904	11,872	11,758	12,042	12,811
Population represented.....	Million.....	151.6	155.0	134.1	179.2	175.5	196.4	207.1	204.6	208.2	214.4
Percent of total popula- tion ¹	Percent.....	74.6	73.9	63.4	84.1	81.8	91.7	95.0	93.0	92.4	93.6
Persons arrested ²	1,000.....	9.4	11.1	10.8	14.6	14.5	16.5	18.1	18.4	18.5	19.4
Male.....	1,000.....	8.5	9.9	9.6	12.9	12.9	14.7	15.9	16.3	16.3	17.1
Percent of total.....	Percent.....	90.8	89.1	89.5	88.7	88.9	88.7	87.8	88.7	86.1	88.5
Percent under 18 yr.....	Percent.....	60.7	60.3	58.4	53.2	54.2	50.9	49.8	49.9	45.1	43.5
Female.....	1,000.....	1.8	1.2	1.1	1.6	1.6	1.9	2.2	2.1	2.2	2.2
Percent of total.....	Percent.....	9.2	10.9	10.5	11.3	11.1	11.3	12.2	11.3	11.9	11.5
Percent under 18 yr.....	Percent.....	46.1	46.5	51.2	44.0	43.4	41.1	37.7	41.7	38.0	33.9
Under 18 years.....	1,000.....	5.6	6.5	6.3	7.7	7.6	8.2	8.8	9.0	8.2	8.2
Percent of total.....	Percent.....	59.5	58.5	58.7	53.0	52.3	49.8	48.4	49.0	44.2	42.4
18-24 years.....	1,000.....	1.7	2.1	2.0	3.2	3.2	3.8	4.3	4.4	4.8	4.8
25-34 years.....	1,000.....	1.0	1.3	1.3	1.9	2.0	2.4	2.7	2.7	3.0	3.5
35-44 years.....	1,000.....	.6	.7	.6	1.0	.9	1.1	1.4	1.3	1.4	1.6
45-54 years.....	1,000.....	.3	.4	.4	.5	.5	.6	.7	.6	.7	.8
55 years and over.....	1,000.....	.2	.2	.2	.3	.3	.3	.3	.3	.4	.4
Agencies reporting.....	Number.....	5,208	5,914	5,222	7,993	10,058	10,664	11,852	11,669	12,013	12,747
Population represented.....	Million.....	142	145.0	124.3	169.5	173.5	197.0	206.6	204.4	207.9	213.6
Percent of total popula- tion ¹	Percent.....	70.1	69.1	58.8	79.5	80.8	91.1	94.7	92.9	92.3	93.3
Persons arrested ²	1,000.....	8.8	10.4	10.1	13.7	13.6	16.4	18.0	18.3	18.4	19.3
White.....	1,000.....	6.4	8.0	7.9	10.8	10.7	12.6	13.6	14.5	14.5	15.1
Percent of total.....	Percent.....	72.5	76.4	78.1	79.3	78.7	76.8	75.8	78.9	78.7	78.4
Black.....	1,000.....	2.3	2.4	2.0	2.6	2.7	3.5	3.9	3.5	3.8	4.0
Other.....	1,000.....	.1	.1	.1	.1	.2	.3	.4	.3	.2	.2

¹ Based on resident population, as of July 1. ² Represents each person arrested rather than number of charges filed against each. Includes persons for whom age was not known, not shown separate in breakdown by age.
Source of tables 305 and 306: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

No. 367. AUTHORIZED INTERCEPTS OF COMMUNICATION—SUMMARY: 1970 TO 1981

(Data for jurisdictions with statutes authorizing or approving interception of wire or oral communication)

ITEM	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Jurisdictions: ¹										
With wiretap statutes	18	24	24	24	24	24	24	26	26	29
Reporting interceptions	12	20	19	16	21	19	20	20	22	22
Intercept applications authorized	596	684	729	701	686	626	570	553	504	559
Residence or apartment	388	558	419	455	435	410	361	363	385	403
Business or other	230	308	309	246	251	216	209	190	179	186
Intercept installations	582	612	684	678	635	601	580	535	524	552
Average length (days)	22	24	23	22	23	25	24	24	■	■
Tap (telephone wiretap)	536	731	639	620	581	554	510	484	475	489
Bug ²	44	81	81	58	54	47	80	49	■	73
Federal	179	130	120	108	136	77	81	67	79	108
State	409	682	574	570	498	524	479	448	445	455
Intercepted communications, avg. ³	658	610	650	654	682	658	738	688	1,058	648
Incriminating	296	304	431	305	272	288	205	252	315	180
Persons arrested ⁴	1,574	2,306	2,162	2,234	2,180	2,181	1,826	1,717	1,871	1,735
Convictions ⁴	151	408	179	339	358	372	337	368	259	249
Major offense specified:										
Gambling	325	448	381	408	378	265	241	204	199	188
Drugs	127	229	199	178	180	237	195	250	282	319
Homicide and assault	21	47	21	16	10	22	25	29	13	33
Larceny and theft	31	38	22	5	9	20	7	7	10	7
Bribery	18	25	25	21	24	17	15	4	1	7
Extortion, usury and loan sharking	17	21	14	27	17	13	14	15	9	7
Other	59	80	86	46	58	52	73	44	50	61

¹ Jurisdictions include Federal Government, States, and beginning 1975, District of Columbia. ² A listening device, e.g., a microphone. Includes use of a microphone and telephone wiretap simultaneously. ³ Average per authorized installation.

⁴ Based on information received from intercepts installed in year shown.

Source: Administrative Office of the U.S. Courts, *Report on Applications for Orders Authorizing or Approving the Interception of Wire or Oral Communications*, annual.

No. 368. CRIMINAL JUSTICE SYSTEM—PUBLIC EXPENDITURES AND EMPLOYMENT, BY LEVEL OF GOVERNMENT: 1970 TO 1979

[Expenditures are for fiscal years closing during the 12 months ending June 30. Employment as of October. Expenditures are direct expenditures only and on cash flow basis. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 1012-1027]

LEVEL OF GOVERNMENT AND ACTIVITY	EXPENDITURES (mil. dol.)						FULL-TIME EQUIVALENT EMPLOYMENT					
	1970	1971	1972	1977	1978	1979	Total ¹ (1,000)			Rate ²		
							1970	1975	1979	1970	1975	1979
All governments	² 6,571	³ 17,346	⁴ 19,881	⁵ 21,574	⁶ 24,132	⁷ 25,871	775	⁸ 1,051	⁹ 1,179	28.0	¹⁰ 49.3	¹¹ 53.6
Police	5,060	9,786	11,028	11,865	13,120	13,812	489	625	653	24.0	28.3	29.7
Judicial	1,190	2,088	2,428	2,638	3,087	3,389	98	132	157	4.7	6.2	7.1
Legal services	442	933	1,048	1,225	1,480	1,548	38	55	73	1.9	2.8	3.3
Public defense	102	280	331	404	524	587	3	6	9	.2	.3	.4
Corrections	1,706	3,843	4,386	4,934	5,523	5,985	145	225	276	7.3	10.5	12.6
Federal Government	² 979	³ 2,199	⁴ 2,480	⁵ 2,779	⁶ 3,122	⁷ 3,289	68	⁸ 88	⁹ 109	2.8	¹⁰ 4.5	¹¹ 4.7
Police	589	1,461	1,612	1,765	1,952	1,948	40	69	73	1.9	3.2	3.3
Judicial	129	165	219	290	321	370	7	7	8	.3	.3	.4
Legal services	102	177	149	166	216	266	7	7	8	.3	.3	.4
Public defense	68	87	104	140	209	240	(x)	(x)	1	(x)	(x)	(x)
Corrections	83	217	256	299	337	354	6	11	12	.3	.6	.6
State governments	² 2,134	³ 4,812	⁴ 5,394	⁵ 5,812	⁶ 6,888	⁷ 7,348	172	⁸ 283	⁹ 326	8.6	¹⁰ 12.4	¹¹ 14.3
Percent of total	24.9	28.7	26.4	26.9	27.7	28.4	22.2	25.0	27.8	(x)	(x)	(x)
Police	689	1,512	1,696	1,800	1,992	1,998	56	92	92	2.7	4.3	4.2
Judicial	262	486	585	651	1,013	1,207	18	26	48	.9	1.2	2.2
Legal services	83	216	248	297	395	429	7	12	20	.3	.6	.9
Public defense	9	65	70	78	96	118	1	3	4	(x)	1	.2
Corrections	1,051	2,189	2,475	2,847	3,177	3,478	90	127	161	4.4	6.0	7.3
Local governments	² 5,464	³ 10,449	⁴ 12,027	⁵ 12,983	⁶ 14,322	⁷ 16,256	643	⁸ 961	⁹ 1,119	28.7	¹⁰ 32.4	¹¹ 33.9
Percent of total	83.8	60.6	61.1	60.2	59.3	58.0	70.1	65.7	68.3	(x)	(x)	(x)
Police	3,003	6,813	7,720	8,300	9,278	9,875	394	483	489	18.3	21.7	22.2
Judicial	779	1,405	1,624	1,898	1,733	1,812	70	99	100	3.4	4.7	4.5
Legal services	257	540	651	743	858	953	25	36	45	1.2	1.7	2.1
Public defense	37	128	157	185	217	239	3	4	5	.1	.2	.2
Corrections	572	1,434	1,654	1,788	2,009	2,154	52	87	104	2.8	4.1	4.7

X Not applicable. Z Less than 500 or .05 percent. ¹ Derived by dividing total payroll by full-time payroll and multiplying result by full-time employees. ² Rate per 10,000 estimated population as of July 1, excluding Armed Forces abroad.

³ Includes others not shown separately.

Source: 1970-1977, U.S. Law Enforcement Assistance Administration and U.S. Bureau of the Census; 1978, U.S. Bureau of Justice Statistics and U.S. Bureau of the Census; thereafter, U.S. Bureau of Justice Statistics, *Expenditure and Employment Data for the Criminal Justice System*, annual.

NO. 308. STATE AND LOCAL GOVERNMENT POLICE AND CORRECTIONS EMPLOYMENT AND EXPENDITURES, 1960 TO 1979, AND BY STATES, 1979

(Employees as of October. Direct expenditures for police protection are for fiscal years ending June 30 in year stated. Local government data are estimates subject to sampling variation; see source)

YEAR AND STATE	EMPLOYEES (full-time equivalent) ¹								POLICE EXPENDITURES ²			Corrections expenditures, State and local (mil. dol.)
	Police protection				Corrections				State and local (mil. dol.)	Local		
	State and local	per 1,000 population ³	Local		State and local	Rate per 1,000 population ³	Local			Total (mil. dol.)	Per-cent	
			Total	Per-cent			Total	Per-cent				
1960	303,771	1.7	271,634	89.4	(NA)	(NA)	(NA)	(NA)	1,857	1,612	87	578
1965	348,568	1.8	308,472	88.5	110,700	.8	41,163	37.2	2,549	2,201	86	874
1970	448,858	2.2	398,111	87.8	142,307	.7	51,973	36.5	4,491	3,803	85	1,824
1973	511,146	2.4	429,512	84.0	187,288	.9	75,122	40.1	5,535	5,405	98	2,584
1974	539,408	2.6	449,587	83.3	203,230	1.0	82,070	40.4	7,290	6,913	95	3,028
1975	565,848	2.8	483,404	85.4	213,813	1.0	86,680	40.6	8,326	7,813	94	3,627
1976	566,826	2.8	486,042	85.7	227,576	1.1	93,156	40.9	9,417	7,720	82	4,130
1977	573,562	2.7	479,906	83.7	243,248	1.1	97,898	40.2	10,099	8,300	82	4,636
1978	581,957	2.7	489,514	84.1	253,448	1.2	102,040	40.3	11,153	9,281	83	5,185
1979	590,288	2.2	488,832	84.2	284,263	1.2	103,883	36.2	11,864	9,578	81	5,838
Ala.	8,805	2.3	7,156	80.2	3,128	.8	1,261	40.3	135	108	79	57
Alaska	1,408	3.5	804	57.1	558	1.4	39	7.0	53	27	51	23
Ariz.	7,866	3.1	6,078	77.3	3,537	1.4	1,513	42.8	185	144	78	74
Ark.	4,233	1.9	3,331	78.7	1,865	.8	571	34.3	59	43	73	29
Calif.	81,832	2.7	50,856	62.2	32,649	1.4	19,905	61.0	1,511	1,244	82	824
Colo.	7,487	2.7	5,482	73.2	2,676	1.0	1,029	38.5	144	122	85	66
Conn.	8,023	2.8	6,524	81.3	2,831	.8	10	.4	173	139	80	61
Del.	1,839	2.8	960	54.3	1,048	1.8	-	-	34	19	56	20
D.C.	4,802	7.3	4,802	100.0	2,811	4.3	2,811	100.0	103	103	100	77
Fla.	26,180	3.0	22,985	87.8	14,492	1.6	3,550	24.5	483	427	87	275
Ga.	12,485	2.4	10,405	83.3	7,266	1.4	2,152	29.7	199	158	79	126
Hawaii	2,688	2.9	2,578	95.5	735	.8	51	6.9	53	52	98	24
Idaho	2,217	2.4	1,789	79.8	713	.8	190	26.6	36	26	72	13
Ill.	35,628	3.2	31,926	89.6	11,294	1.0	4,361	38.6	748	683	91	280
Ind.	11,314	2.1	9,096	80.4	4,578	.8	1,857	38.4	168	141	75	85
Iowa	5,784	2.0	4,569	79.1	2,427	.8	822	33.8	111	76	74	58
Kans.	5,432	2.3	4,511	83.1	2,481	1.0	598	24.2	83	69	83	43
Ky.	7,120	2.0	5,267	74.0	3,158	.9	952	30.1	133	88	66	67
La.	11,551	2.9	9,817	85.0	5,820	1.5	1,831	30.8	199	154	77	111
Maine	2,218	2.0	1,721	77.6	848	.9	228	24.1	36	25	69	16
Md.	12,735	3.1	9,631	77.2	6,702	1.8	1,296	19.3	256	199	78	155
Mass.	16,730	2.9	14,480	86.6	5,836	1.0	1,452	24.9	357	312	87	136
Mich.	23,071	2.5	19,374	84.0	10,774	1.2	4,201	39.0	559	484	83	273
Minn.	7,810	1.9	6,805	87.1	3,541	.9	1,808	49.7	171	136	81	88
Miss.	4,871	2.0	3,785	77.9	1,818	.7	500	27.5	71	49	69	35
Mo.	13,484	2.8	11,729	87.1	4,763	1.0	2,082	43.7	235	191	81	84
Mont.	1,872	2.4	1,522	81.3	888	1.1	221	25.5	30	23	77	16
Nebr.	3,496	2.2	2,782	79.6	1,715	1.1	441	25.7	80	45	75	37
Nev.	2,556	3.6	2,248	87.9	1,568	2.2	694	44.2	54	46	85	34
N.H.	2,184	2.4	1,742	80.6	793	.9	220	27.7	37	26	70	15
N.J.	25,850	3.5	22,085	85.1	10,217	1.4	6,145	60.1	510	435	85	179
N. Mex.	3,465	2.8	2,689	77.0	1,413	1.1	414	29.3	58	44	76	29
N.Y.	86,888	3.7	59,509	68.5	26,588	1.6	12,276	43.0	1,685	1,572	93	842
N.C.	12,151	2.2	9,875	81.3	5,198	1.5	1,022	12.5	195	150	77	136
N. Dak.	1,186	1.8	1,000	84.3	384	.8	135	34.3	21	16	76	7
Ohio	22,504	2.1	19,897	88.4	11,430	1.1	4,851	42.4	449	394	88	210
Ola.	6,508	2.3	5,215	80.1	3,711	1.3	544	14.7	100	75	75	67
Oreg.	6,952	2.4	4,751	79.8	3,240	1.3	1,289	40.1	128	98	77	83
Pa.	27,741	2.4	22,651	81.7	11,046	.9	5,998	54.3	565	447	79	255
R.I.	2,634	2.8	2,207	83.8	774	.8	-	-	49	39	80	23
S.C.	7,008	2.4	5,030	71.8	2,466	1.3	619	16.7	107	70	65	61
S. Dak.	1,397	2.0	1,106	79.3	466	.7	85	18.2	24	17	71	10
Tenn.	9,393	2.1	8,211	87.4	5,461	1.2	1,856	34.0	159	136	86	98
Tex.	31,684	2.4	26,700	84.3	10,840	.8	5,656	53.2	538	452	84	204
Utah	3,257	2.4	2,545	78.1	1,102	.8	256	23.2	62	44	71	25
Vt.	1,002	2.0	804	80.4	476	1.0	1	.2	16	6	50	12
Va.	11,799	2.3	9,026	76.5	9,456	1.8	2,639	27.9	209	188	75	188
Wash.	8,247	2.1	6,544	79.4	4,816	1.2	1,863	39.1	181	143	79	108
W. Va.	3,348	1.8	2,325	69.4	1,252	.7	337	26.9	55	34	62	21
Wis.	11,197	2.4	10,104	90.2	4,369	.9	1,109	25.2	219	192	88	98
Wyo.	1,408	3.1	1,185	84.3	472	1.0	112	23.7	21	19	76	18

- Represents zero. NA Not available. ¹ See footnote 1, table 308. ² Estimated population, as of July 1.

Source: 1970-1977, U.S. Law Enforcement Assistance Administration and U.S. Bureau of the Census; 1978, U.S. Bureau of Justice Statistics and U.S. Bureau of the Census; thereafter, U.S. Bureau of Justice Statistics, *Expenditure and Employment Data for the Criminal Justice System*, annual.

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NO. 310. AVERAGE ANNUAL SALARY SCALES OF POLICE AND FIREFIGHTERS, BY CITY-SIZE GROUP: 1970 TO 1980

(As of Jan. 1. Based on a study covering cities with a population of 100,000 or more)

EMPLOYEE GROUP AND YEAR	MINIMUM SCALES FOR CITIES WITH POPULATION OF—					MAXIMUM SCALES FOR CITIES WITH POPULATION OF—				
	All cities	100,000–249,999	250,000–499,999	500,000–999,999	1,000,000 or more	All cities	100,000–249,999	250,000–499,999	500,000–999,999	1,000,000 or more
POLICE										
1970	\$8,446	\$7,357	\$7,926	\$7,888	\$8,300	\$10,017	\$8,646	\$8,385	\$8,616	\$10,927
1975	11,180	10,088	10,734	10,861	12,054	14,007	12,296	13,028	13,567	15,289
1979	14,002	12,610	13,288	13,555	15,147	17,840	15,712	16,371	17,508	19,110
1980	15,159	13,521	14,580	14,741	16,412	19,086	16,970	17,827	19,044	20,588
FIREFIGHTERS										
1970	8,041	7,103	7,885	7,798	8,253	9,462	8,348	9,089	9,293	10,628
1975	10,739	9,788	10,480	10,587	11,958	13,254	11,815	12,755	13,186	15,047
1979	13,446	12,348	13,088	13,231	15,062	16,829	15,274	16,003	17,033	18,863
1980	14,377	13,131	14,126	14,108	16,086	18,186	16,380	17,291	18,456	20,486

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, March 1981. Based on data from International City Management Assoc., Fraternal Order of Police, and International Association of Firefighters.

NO. 311. LEGAL SERVICES—SELECTED DATA: 1972 AND 1977

(Excludes legal aid societies and other tax-exempt legal services)

ITEM	Unit	1972				1977			
		Total ¹	Sole proprietorships	Partnerships	Professional service organizations ²	Total	Sole proprietorships	Partnerships	Professional service organizations ²
Establishments, total	1,000	144.5	85.8	25.5	4.8	157.9	124.4	29.2	14.2
Receipts	Mill. dol.	10,938	2,885	5,911	■	18,888	4,739	10,093	3,884
Establishments with payroll	1,000	77.3	30.9	23.7	4.5	■	53.8	27.2	13.8
Receipts	Mill. dol.	9,724	1,730	5,857	1,053	17,147	3,309	9,982	3,847
Payroll (annual)	Mill. dol.	2,318	310	1,284	527	5,217	886	2,347	2,172
Paid employees ³	1,000	287.7	53.6	150.1	31.5	392.0	93.1	197.8	101.2
Operating expenses	Mill. dol.	4,757	783	2,813	855	10,205	1,714	5,028	3,461
Establishments ⁴ with annual receipts of—									
Under \$30,000	1,000	17.5	9.6	1.3	.2	14.2	12.6	1.1	.5
\$30,000 to \$99,999	1,000	34.6	17.1	7.7	1.0	36.5	27.2	6.6	2.7
\$100,000 to \$499,999	1,000	■	3.0	11.2	2.1	27.7	7.0	13.8	6.9
\$500,000 or more	1,000	2.6	.1	2.0	.4	5.5	.2	3.5	1.8

¹Includes other and unknown legal forms, not shown separately. ²Excludes expense-sharing associations. ³Includes expense-sharing associations and other legal forms. ⁴For week including March 12. ⁵Establishments with payroll operating entire year.

Source: U.S. Bureau of the Census, *Census of Service Industries, 1972 and 1977, Establishment and Firm Size* (SC 72-S-1 and SC 77-S-1), and *Legal Services* (SC 72-S-4 and SC 77-S-5).

NO. 312. FEDERAL PROSECUTIONS OF PUBLIC CORRUPTION: 1970 TO 1981

(As of Dec. 31. Prosecution of persons who have corrupted public office in violation of Federal Criminal Statutes)

PROSECUTION STATUS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total ¹ indicted	63	160	208	244	291	255	583	507	557	■	721	876
Convicted	44	108	142	181	217	178	380	440	■	555	552	730
Awaiting trial	—	—	5	18	5	27	199	210	205	187	213	231
Federal officials: indicted	9	58	58	80	59	53	111	126	133	126	123	196
Convicted	9	40	42	48	51	43	101	84	81	115	131	159
Awaiting trial	—	—	4	2	1	5	1	32	42	21	18	23
State officials: indicted	10	21	17	19	■	38	58	50	55	58	72	87
Convicted	7	16	10	17	23	18	35	38	56	32	51	66
Awaiting trial	—	—	—	—	—	5	30	33	20	30	28	■
Local officials: indicted	25	48	108	85	130	139	194	157	171	212	247	244
Convicted	16	28	75	64	87	94	100	164	127	156	168	211
Awaiting trial	—	—	—	2	4	15	98	62	72	87	82	102

— Represents zero. ¹Includes individuals who are neither public officials nor employees but who were involved with public officials or employees in violating the law, not shown separately.

Source: U.S. Department of Justice, *Federal Prosecutions of Corrupt Public Officials, 1970-1980*, and *Report to Congress on the Activities and Operations of the Public Integrity Section, 1981*.

No. 313. LAWYERS—SELECTED CHARACTERISTICS: 1954 TO 1970.

[See headnote, table 314. See also *Historical Statistics, Colonial Times to 1970*, series H 1026-1062]

CHARACTERISTIC	1954	1957	1960	1963	1966	Total	1970		
							In cities with population—		
							Less than 250,000	250,000-499,999	500,000 or more
All lawyers ¹	241,514	282,220	285,933	298,099	316,966	365,242	172,030	41,075	142,137
Lawyers reporting ²	221,800	236,763	252,385	268,782	289,404	324,518	156,281	37,411	128,116
Male	216,564	229,433	245,697	261,639	281,336	315,715	155,356	36,428	123,931
Female	5,036	6,360	6,486	7,143	8,068	9,103	3,935	963	4,185
Status in practice ³									
Government	21,279	24,245	25,621	26,314	31,280	35,803	16,116	3,613	16,074
Federal	9,040	12,468	13,045	15,113	18,284	18,710	5,234	1,591	11,885
State	3,561	4,000	4,316	6,486	7,416	9,293	5,444	1,332	2,517
City or county	8,678	7,767	8,280	7,715	7,580	7,800	5,436	690	1,672
Judicial	7,903	7,910	8,180	8,748	9,712	10,349	7,392	997	1,960
Federal	621	789	599	707	800	878	363	145	370
State or county	5,041	5,058	5,301	5,712	6,823	7,548	5,672	680	1,216
City	2,241	2,085	2,280	2,329	2,089	1,923	1,357	192	574
Private practice	169,423	186,955	192,353	200,586	212,682	236,066	119,507	27,166	69,412
Individual	127,389	122,369	116,911	113,127	113,278	118,963	62,377	12,529	44,057
Partner	51,666	54,966	60,709	70,084	78,544	92,442	48,697	11,285	32,460
Associate ⁴	10,366	11,600	14,733	17,395	20,945	24,680	8,433		12,865
Salaried	16,646	21,054	25,196	26,510	33,222	40,466	15,453	5,662	19,471
Private industry	15,063	18,911	22,533	26,482	29,405	33,563	12,372	4,808	16,415
Educational institutions	1,351	1,504	1,796	2,100	2,717	3,732	2,092	436	1,205
Other private employment	234	639	867	918	1,100	3,161	989	321	1,851
Inactive or retired	6,581	7,861	10,887	12,024	14,861	16,812	11,353	1,502	3,957

¹Includes lawyers not reporting and an adjustment (subtraction) for duplications. ²Includes duplications: 1954, 4,440; 1957, 4,506; 1960, 4,504; 1963, 5,918; 1966, 6,787; 1970, 8,834. ³In some cases, if more than 1 subentry was applicable the individual was tabulated in each. ⁴Lawyers employed by individual practitioners or partnerships.

Source: American Bar Foundation, Chicago, Ill., *The 1971 Lawyer Statistical Report*, 1971. (Copyright.)

No. 314. LAWYERS, BY STATES: 1960 AND 1970

[Data based on 1961 and 1971 editions of *Martindale-Hubbell Law Directory*. Represents all persons who are members of the bar, including those in industries, educational institutions, etc., and those inactive or retired]

STATE	1960 ¹	1970			STATE	1960 ¹	1970		
		Total ²	In private practice ³	Population per lawyer ⁴			Total ²	In private practice ³	Population per lawyer ⁴
U.S.	285,933	324,818	236,066	828	Mo	7,453	7,230	4,901	647
Ala	2,712	3,291	2,334	1,047	Mont	1,028	978	714	710
Alaska	186	443	313	682	Nebr	2,344	2,481	1,633	598
Ariz	1,681	2,618	1,983	677	Nev	440	739	583	661
Ark	1,778	1,969	1,437	977	N.H.	636	791	606	832
Calif	22,578	31,580	24,013	632	N.J.	9,331	11,126	8,581	644
Colo	3,606	4,197	3,054	526	N. Mex	972	1,201	860	846
Conn	3,932	5,398	3,882	560	N.Y.	49,632	48,312	37,337	377
Del.	514	733	423	748	N.C.	3,813	4,367	3,229	1,164
D.C.	12,564	15,501	5,327	48	N. Dak.	738	728	496	849
Fla	7,737	10,917	8,171	622	Ohio	15,470	15,349	11,199	694
Ga.	4,606	5,517	4,023	632	Okla.	4,816	4,637	3,049	652
Hawaii	482	657	631	698	Oreg	2,646	2,996	2,349	698
Idaho	682	603	604	688	Pa.	12,137	13,567	10,630	870
Ill.	18,901	20,404	15,037	545	R.I.	1,068	1,284	1,048	740
Ind	4,746	5,447	4,158	953	S.C.	1,864	2,236	1,686	1,159
Iowa	3,556	3,820	2,826	740	S. Dak		812	577	821
Kans.	2,685	3,126	2,287	719	Tenn.	4,231	4,770	3,353	823
Ky	3,337	3,625	2,730	686	Tex.	13,967	17,217	12,393	660
La	4,177	5,086	3,962	716	Utah	1,144	1,309	974	817
Maine	982	1,068	833	830	Vt.	493	581	410	766
Md.	5,224	6,619	4,824	593	Va.	4,724	5,401	4,354	728
Mass.	10,364	11,318	9,266	503	Wash.	3,695	4,466	3,365	763
Mich.	9,413	10,599	7,965	640	W. Va.	1,789	1,719	1,253	1,016
Minn.	4,712	5,481	3,951	684	Wis.	6,134	6,177	4,543	715
Miss.	2,190	2,517	1,854	681	Wyo.	492	449	323	740

¹1960 includes lawyers not reporting; 1970 represents lawyers reporting only. Includes an estimated adjustment (subtraction) to account for duplications. ²Based on report from approximately 90 percent of all lawyers. ³Based on Bureau of the Census estimates of resident population, including Armed Forces stationed in area as of July 1, 1970.

Source: American Bar Foundation, Chicago, Ill., *The 1971 Lawyer Statistical Report*, 1971. (Copyright.)

NO. 315. U.S. SUPREME COURT—CASES FILED AND DISPOSITION: 1970 TO 1981

[Statutory term of court begins first Monday in October. See *Historical Statistics, Colonial Times to 1970*, series H 1063-1073, for related but not comparable data]

ACTION	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total cases on docket.....	4,212	5,378	4,888	4,781	4,731	4,794	4,731	4,731	4,731	5,144	5,311	
Appellate cases on docket.....	2,321	2,480	2,308	2,352	2,324	2,341	2,383	2,509	2,749	2,935		
From prior term.....	225	412	340	431	452	472	434	425	527	522		
Docketed during present term.....	1,576	2,068	1,968	1,921	1,872	1,869	1,949	2,084	2,222	2,413		
Cases acted upon.....	1,813	1,948	1,987	1,900	2,019	1,979	2,023	2,050	2,324	2,513		
Granted review.....	214	229	235	244	237	224	210	199	197	203		
Denied, dismissed, or withdrawn.....	1,225	1,572	1,584	1,538	1,620	1,755	1,734	1,778	1,900	2,100		
Summarily decided.....	114	147	138	118	182	79	79	75	80	114		
Cases not acted upon.....	280	532	341	452	305	362	408	459	425			
Pauper cases on docket.....	2,289	2,585	2,348	2,385	2,308	2,349	2,331	2,331	2,371	2,354		
Cases acted upon.....	1,802	2,013	1,978	1,967	2,063	1,980	1,986	1,936	2,027	2,039		
Granted review.....	41	30	28	26	30	24	27	32	17	7		
Denied, dismissed, or withdrawn.....	1,889	1,942	1,814	1,903	2,013	1,899	1,838	1,757	1,988	2,014		
Summarily decided.....	78	41	34	68	40	37	31	49	32	12		
Cases not acted upon.....	487	572	372	385	315	369	335	411	344	315		
Original cases on docket.....	20	14	12	14	8	14	17	23	24	22		
Cases disposed of during term.....	7	4	4	7	2	3	-	1	7	8		
Total cases available for argument.....	267	281	278	280	289	280	249	236	264	318		
Cases disposed of.....	180	172	178	181	181	185	170	180	182	182		
Cases argued.....	151	170	175	179	178	172	188	188	154	184		
Cases dismissed or remanded without argument.....	9	2	3	2	5	13	2	4	8	8		
Cases remaining.....	107	89	100	99	88	75	79	78	102	128		
Cases decided by signed opinion.....	126	181	144	180	154	183	183	143	144	171		
Cases decided by per curiam opinion.....	22	8	20	16	22	8	8	12	8	10		
Number of signed opinions.....	108	140	123	138	128	129	130	130	123	141		

- Represents zero. ¹Includes cases granted review and carried over to next term, not shown separately.

Source: Office of the Clerk, Supreme Court of the United States, unpublished data.

NO. 316. U.S. COURTS OF APPEALS: 1960 TO 1981

[For years ending June 30. See also *Historical Statistics, Colonial Times to 1970*, series H 1079-1086]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Cases commenced ¹	3,989	4,768	11,862	16,858	16,858	16,408	18,118	18,918	20,218	23,200	26,382
Criminal.....	823	1,223	2,880	4,087	4,187	4,850	4,738	4,487	4,102	4,405	4,377
U.S. civil.....	788	1,387	2,167	3,287	2,981	3,327	3,622	3,928	3,983	4,654	4,840
Private civil.....	1,534	2,677	4,834	8,157	8,511	7,077	7,358	7,234	8,237	10,200	12,074
Administrative appeals.....	737	1,108	1,522	2,205	2,290	2,515	2,584	2,382	2,922	2,950	3,800
Cases terminated ¹	3,719	5,771	10,888	15,422	16,000	16,428	17,784	17,714	18,828	20,887	25,088
Criminal.....	560	1,014	2,581	4,299	4,005	4,238	4,554	4,481	4,320	3,993	4,192
U.S. civil.....	750	1,229	1,912	2,791	3,084	2,853	3,188	3,437	3,857	4,346	5,021
Private civil.....	1,517	2,183	4,387	5,847	8,252	8,248	8,880	8,813	7,175	8,942	11,327
Administrative appeals.....	680	1,004	1,407	1,734	1,809	2,359	2,510	2,256	2,602	2,643	3,303
Cases disposed of ²	2,881	3,548	8,138	8,451	9,077	9,351	11,400	9,285	10,607	12,188	
Affirmed or granted.....	1,924	2,835	4,628	8,429	8,783	8,995	7,826	6,717	7,082	8,017	9,004
Reversed or denied.....	656	773	1,280	1,579	1,632	1,880	1,715	1,536	1,542	1,845	2,246
Other.....	101	138	233	443	662	676	1,859	597	681	745	918
Median months ³	6.8	8.0	9.2	6.8	7.4	7.1	7.0	8.0	9.2	8.9	9.3

¹Includes original proceedings and bankruptcy appeals not shown separately. ²After hearing or submission. Beginning 1974, data not comparable with earlier years due to changes in criteria. ³From filing of complete record to final disposition.

NO. 317. U.S. DISTRICT COURTS—TRIALS: 1960 TO 1981

[For years ending June 30. For 1960, trials commenced; thereafter, trials completed. A trial is defined as a contested proceeding (other than a hearing on a motion) before either court or jury in which evidence is introduced and final judgment sought. See footnote 1, table 316. See also *Historical Statistics, Colonial Times to 1970*, series H 1112-1118]

TYPE OF TRIAL	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Total.....	8,826	11,485	16,022	18,772	19,236	19,899	19,827	18,861	18,883	19,828	21,239
Civil trials.....	6,486	7,813	8,449	10,872	11,803	11,858	11,806	11,515	11,784	13,191	14,897
Nonjury.....	3,453	4,459	6,078	7,408	7,903	8,088	7,792	8,326	8,348	9,254	10,047
Jury.....	3,033	3,154	3,371	3,588	3,700	3,558	3,813	3,189	3,416	3,937	4,850
Criminal trials.....	3,510	3,872	6,583	7,800	7,833	7,924	7,222	7,338	6,799	6,634	6,542
Nonjury.....	1,008	1,143	2,367	2,783	2,726	2,773	2,881	3,344	3,182	3,216	2,982
Jury.....	2,502	2,729	4,216	5,017	4,907	5,151	4,561	3,992	3,617	3,418	3,560

Source of tables 316 and 317: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

No. 318. U.S. DISTRICT COURTS—CIVIL AND CRIMINAL CASES: 1965 TO 1981

(In thousands, except percent. For years ending June 30. See also *Historical Statistics, Colonial Times to 1870*, series H 1087-1111)

ITEM	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Civil cases: Commenced	67.7	87.3	98.6	103.5	117.3	130.8	130.6	138.8	154.7	166.8	180.8
Cases terminated	63.1	79.5	97.4	98.7	103.8	108.3	115.5	123.2	140.0	155.0	172.9
No court action	29.3	31.1	37.0	35.9	39.2	41.7	45.2	45.3	60.2	66.7	72.1
Court action, total	33.8	48.4	60.4	60.8	64.6	66.6	70.3	77.8	79.9	88.2	100.8
Before pretrial	17.1	29.4	36.9	38.6	40.3	41.8	43.5	48.7	49.7	53.8	61.1
Pretrial	9.4	11.0	15.2	13.9	15.6	16.2	17.7	19.7	20.5	22.4	28.3
Trials	7.3	8.0	8.3	8.4	8.7	8.8	9.0	9.4	9.8	10.1	11.4
Percent reaching trial ¹	11.8	10.0	8.5	8.7	8.4	8.1	7.8	7.6	6.9	6.5	6.6
Criminal cases: Commenced²	31.8	38.1	40.4	37.7	41.1	39.1	39.6	34.8	31.5	28.0	30.4
Defendants disposed of ³	33.7	38.4	46.7	48.0	49.2	51.6	53.2	45.9	41.2	38.6	38.1
Not convicted	5.0	8.2	11.7	11.8	11.8	11.5	11.7	9.4	8.3	8.0	8.3
Dismissed	3.8	6.6	9.8	10.0	10.3	8.8	10.0	7.8	6.8	6.6	7.0
Acquitted	1.2	1.6	2.0	1.8	1.5	1.7	1.6	1.6	1.5	1.3	1.3
Convicted	28.8	28.2	35.0	36.2	37.4	40.1	41.5	36.5	32.9	28.6	29.9
By guilty plea ⁴	25.9	24.1	29.0	30.7	31.8	34.0	35.3	31.1	27.3	23.1	24.3
By court or jury	2.8	4.1	6.0	5.8	5.8	6.1	6.1	5.4	5.6	5.5	5.6
Imprisonment	13.7	12.4	17.5	17.2	17.3	18.5	18.6	17.4	14.6	13.2	13.7
Probation	10.8	11.4	15.0	16.6	17.9	18.2	18.1	14.5	13.5	11.1	12.2
Fine and other	4.3	4.4	2.4	2.4	2.2	3.4	5.8	4.6	4.9	4.4	4.0

¹Excludes land condemnation cases. ²Excludes transfers. ³Excludes D.C., Canal Zone, Guam, and Virgin Islands, except that defendants disposed of includes D.C. beginning 1973; Canal Zone, Guam, and Virgin Islands beginning 1976; and N. Mariana Islands beginning 1978. ⁴Includes nolo contendere.

No. 319. U.S. DISTRICT COURTS—CIVIL CASES COMMENCED AND TERMINATED: 1981

(For year ending June 30)

NATURE OF SUIT	Cases commenced	Cases terminated	No court action	Total court action	Before pretrial	Pretrial	Trials, total ¹	Percent reaching trial
Total²	180,576	177,875	73,580	104,425	64,017	28,475	11,933	8.7
U.S. cases³	61,845	68,083	34,476	31,808	28,078	3,308	2,223	3.4
Contract actions	23,451	23,882	19,270	4,612	4,012	454	148	.8
Real property actions	6,051	8,731	3,845	5,086	4,158	354	574	8.6
Tort actions	3,370	3,623	1,422	2,201	1,081	868	474	13.1
Actions under statutes	28,961	25,893	8,265	17,428	15,218	1,411	799	3.1
Private cases ⁴	118,731	111,892	39,076	72,817	37,841	25,168	8,710	8.7
Federal question	72,514	71,691	21,895	49,706	29,210	15,340	5,156	7.2
Diversity of citizenship ⁴	45,444	39,382	16,529	22,853	8,623	9,790	4,440	11.3
Contract actions	21,738	19,825	8,731	10,894	4,781	4,189	1,924	9.8
Tort actions	21,692	18,156	8,957	11,199	3,423	5,368	2,388	13.2

¹Indicates the number of cases terminated where there was a trial. Table 317 indicates the number of civil trials that were completed. The cases themselves may not have been terminated. ²Includes prisoner petitions, land condemnations and deportations not shown separately. ³Includes local jurisdiction cases and other actions not shown separately. ⁴Includes real property actions not shown separately.

No. 320. U.S. DISTRICT COURTS—CRIMINAL CASES COMMENCED AND DEFENDANTS DISPOSED OF, BY NATURE OF OFFENSE: 1980 AND 1981

(For years ending June 30)

NATURE OF OFFENSE	1980		1981, cases commenced ¹	DISPOSITION OF DEFENDANTS, 1981							
	Cases commenced ¹	Def- end- ants dis- posed of		Not convicted		Convicted			Sentenced		
				Total	Ac- quitted	Total	Guilty plea	By court or jury	Im- pris- onment	Proba- tion	Fine and other
Total ²	27,968	36,580	30,356	8,289	1,278	28,886	24,322	5,546	13,700	12,173	3,885
General offenses:											
Homicide	141	170	186	49	15	119	69	50	51	19	19
Robbery	1,251	1,441	1,418	206	36	1,308	1,029	279	1,213	95	-
Assault	555	597	559	192	35	438	324	114	262	156	20
Burglary	151	176	125	33	5	110	97	13	63	45	1
Larceny-theft	3,033	3,977	3,030	727	124	3,028	2,890	338	1,269	1,546	211
Embezzlement and fraud	6,210	7,188	6,580	1,296	264	6,335	5,458	877	2,352	3,723	280
Auto theft	361	558	306	133	22	410	344	66	270	134	6
Forgery counterfeiting	2,124	2,312	1,810	354	45	1,748	1,554	194	988	775	7
Sex offenses	150	137	152	59	17	97	89	28	61	32	4
QAPCA ³	3,130	8,243	3,897	1,682	277	5,348	3,757	1,589	3,856	1,371	119
Misc. general offenses	7,240	7,907	8,418	2,124	272	6,271	4,749	1,522	1,678	1,859	2,734

- Represents zero. ¹Excludes transfers. ²Includes items not shown separately. ³All marijuana, narcotics and controlled substances prosecutions under the Drug Abuse, Prevention and Control Act.

Source of tables 318-320: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

NO. 321. STATE COURTS OF GENERAL JURISDICTION—CASEFLOW, NUMBER OF COURTS, AND JUDGES: 1977

[For further detail regarding volume and flow of cases through the State Court Systems, refer to Parts I and II of the publication cited below, which contain text and summary tables for all reported data, respectively]

STATE	Begin- ning pend- ing (1,000)	FILED (1,000)					Dis- posed (1,000)	Ending pend- ing (1,000)	COURTS—		Num- ber of judges
		Total	Civil	Crim- inal	Traffic	Juve- nile			Num- ber	Geo- graphical location	
Ala.....	59.8	99.5	64.6	24.1	(x)	10.8	97.1	62.0	1	38	112
Alaska.....	¹ 11.9	13.9	11.4	1.1	(x)	1.5	12.8	¹ 12.5	1	4	20
Ariz.....	² 69.3	94.3	66.6	13.2	(x)	12.4	66.9	² 75.0	1	14	73
Ark.....	³ 62.6	77.4	63.6	13.8	(x)	(x)	³ 68.2	³ 65.6	2	37	56
Calif.....	(NA)	713.9	548.9	57.2	(x)	107.8	586.0	(NA)	1	58	542
Colo.....	87.5	124.0	92.2	15.7	(x)	16.1	119.4	92.1	5	29	100
Conn.....	36.1	31.4	26.9	4.5	(x)	(x)	29.6	38.0	1	9	45
Del.....	12.1	10.5	6.4	4.1	(x)	(x)	10.1	12.5	2	6	14
D.C.....	⁴ 29.2	317.8	161.9	29.0	120.5	8.3	⁴ 315.5	⁴ 29.0	1	1	44
Fla.....	(NA)	418.9	250.1	92.5	(x)	76.3	392.3	(NA)	1	20	289
Ga.....	⁵ 115.7	161.5	104.3	46.0	11.1	(x)	⁵ 144.0	⁵ 133.2	1	42	96
Hawaii.....	26.9	31.0	20.9	2.0	.1	8.1	27.7	30.2	3	6	23
Idaho.....	37.0	276.0	45.5	29.4	193.3	7.7	273.0	40.0	2	7	94
Ill.....	⁶ 464.4	3,524.5	635.7	519.3	2,343.8	25.7	3,369.0	⁶ 504.8	1	21	643
Ind.....	250.0	350.3	189.6	50.1	94.8	15.8	344.3	255.4	3	122	173
Iowa.....	⁷ 123.3	597.2	129.8	190.4	271.0	6.1	⁷ 589.3	⁷ 126.8	1	8	322
Kans.....	22.3	185.7	58.0	19.8	107.9	(x)	166.6	41.4	1	29	210
Ky.....	(NA)	79.7	66.0	13.7	(x)	(x)	(NA)	(NA)	1	56	87
La.....	(NA)	369.4	133.4	236.0	(x)	(x)	(NA)	(NA)	1	39	137
Maine.....	9.7	15.6	7.6	6.1	1.9	(x)	11.5	13.7	1	16	14
Md.....	141.8	136.3	66.0	43.6	(x)	26.6	126.7	149.3	1	29	85
Mass.....	⁸ 137.7	66.6	31.4	35.3	(x)	(x)	75.8	⁸ 128.9	1	14	46
Mich.....	⁹ 138.2	1,121.2	131.1	124.8	865.3	(x)	¹¹ 187.4	¹⁰ 137.7	3	52	170
Minn.....	¹ 10.7	¹ 28.9	18.8	10.0	(x)	(NA)	¹ 28.6	¹ 10.8	1	10	72
Miss.....	(NA)	¹ 60.0	52.5	7.4	(x)	(NA)	(NA)	(NA)	2	40	66
Mo.....	78.9	107.0	72.1	18.1	(x)	16.7	106.0	78.9	2	45	111
Mont. ¹²	(NA)	(NA)	(NA)	(NA)	(x)	(NA)	(NA)	(NA)	1	19	29
Nebr.....	7.5	25.2	18.6	6.6	(x)	(x)	21.9	10.3	1	21	45
Nev.....	(NA)	¹³ 10.0	¹³ 8.0	¹³ 1.4	(x)	¹³ 5	(NA)	(NA)	1	9	26
N.H.....	24.8	24.7	17.7	7.0	(x)	(x)	24.4	25.1	1	10	15
N.J.....	88.4	97.4	66.4	29.0	(x)	(x)	90.5	93.3	2	36	206
N. Mex.....	¹² 21.3	¹⁴ 43.9	39.2	4.7	(x)	(NA)	¹³ 37.4	¹² 27.7	1	13	39
N.Y.....	¹⁴ 77.2	¹⁵ 147.4	¹⁵ 116.0	31.4	(x)	(x)	¹⁵ 149.0	¹⁴ 17.9	2	68	357
N.C.....	97.0	120.6	69.3	51.3	(x)	(x)	115.5	99.9	1	31	57
N.Dak.....	4.2	11.1	9.0	1.1	(z)	1.0	9.8	5.4	1	6	19
Ohio.....	¹⁶ 175.5	483.2	249.6	30.8	(x)	202.8	477.3	¹⁶ 179.8	1	88	313
Okla.....	¹⁷ 230.0	426.7	172.4	59.3	186.2	8.9	384.5	¹⁷ 272.1	1	24	189
Oreg.....	¹⁸ 47.1	81.9	53.3	14.2	(x)	14.4	¹⁷ 63.7	¹⁷ 47.4	2	21	72
Pa.....	93.2	268.9	180.2	73.1	(x)	35.6	¹⁸ 281.5	¹⁸ 96.6	1	59	285
R.I.....	(NA)	9.5	6.3	3.2	(x)	(x)	(NA)	(NA)	1	4	17
S.C.....	24.4	60.1	29.3	30.8	(x)	(x)	58.6	25.9	1	16	25
S. Dak.....	(NA)	¹⁹ 3.5	(NA)	(NA)	(x)	3.5	²⁰ 111.9	(NA)	1	8	36
Tenn.....	²¹ 45.3	118.2	86.3	30.1	1.8	(x)	109.3	²² 45.7	4	63	115
Tex.....	²¹ 367.5	²¹ 378.3	²¹ 285.3	²¹ 81.8	(x)	²¹ 11.1	²¹ 356.5	²¹ 389.3	1	88	86
Utah.....	19.2	30.4	27.0	3.4	(x)	(x)	25.8	23.5	1	7	24
Vt.....	26.9	80.2	17.2	18.1	43.9	1.0	86.3	20.8	2	29	18
Va.....	99.4	117.4	67.7	49.7	(x)	(x)	111.7	105.1	1	31	107
Wash.....	(NA)	128.0	99.0	14.1	(x)	14.8	²³ 99.8	(NA)	1	28	110
W. Va.....	46.3	52.0	34.8	9.9	(x)	7.3	49.0	51.4	1	31	57
Wis.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	733.2	(NA)	2	96	181
Wyo.....	4.2	10.3	9.0	1.3	(x)	(²⁴)	²⁵ 10.1	4.4	1	7	13

NA Not available. X Not applicable. ¹Excludes juvenile data. ²Excludes adoption, mental health, probate, or juvenile traffic or dependency data from Maricopa County or juvenile traffic data from Pima County. ³Excludes adoption, guardianship, miscellaneous probate, or mental health data for the Chancery and Probate Court. ⁴Excludes estate data. ⁵Excludes any cases filed before July 1, 1970. ⁶Excludes estate, conservation violations, misdemeanors from Cook County, ordinance violations, or traffic cases. ⁷Excludes estate or juvenile data. ⁸Excludes guardianship and conservatorship, and trusteeship data. ⁹Excludes sentence review cases. ¹⁰Excludes misdemeanors, ordinance violations, parking, accident, or moving violations from the Recorder's Court of Detroit. ¹¹Excludes ordinance violations, parking, accident, or moving violations from the Recorder's Court of Detroit. ¹²No data were available from the District Court. ¹³Data were available only from Washoe County, representing less than half of the entire State population. ¹⁴Excludes civil data from Seneca County or felony/misdemeanor indictments outside New York City. ¹⁵Excludes civil data from Seneca County. ¹⁶Excludes wrongful death, adoption, birth records, name change, or mental health (all civil) cases. ¹⁷Excludes criminal extraordinary writs. ¹⁸Excludes adoption, mental health, and juvenile cases. ¹⁹Excludes any civil or criminal data, or juvenile data from lay or lawyer magistrates. ²⁰Excludes data from lay or lawyer magistrates. ²¹Compiled from 3,002 of the possible 3,048 reports. ²²Excludes data from 10 counties participating in an experimental statistical information system. ²³Excludes mental health or juvenile data. ²⁴Juvenile cases were included with the civil and criminal figures and could not be separated for inclusion in this table. ²⁵Excludes cases filed before 1974.

Source: National Center for State Courts, Williamsburg, Va., *State Court Caseload Statistics, 1977 Annual Report*.

NO. 322. JUVENILES HELD IN CUSTODY—PUBLIC AND PRIVATE JUVENILE RESIDENTS AND FACILITIES: 1975 TO 1979

[1975 as of June 30; 1977 and 1979 as of Dec. 31]

CHARACTERISTIC	Unit	PUBLIC CUSTODY			PRIVATE CUSTODY		
		1975	1977	1979	1975	1977	1979
Number of residents ¹	Number	49,128	45,820	45,398	27,450	29,377	28,717
Juvenile	Number	46,980	¹ 44,098	¹ 43,234	27,290	¹ 29,070	¹ 28,888
Male	Number	37,928	36,921	37,167	19,152	20,367	20,512
Female	Number	9,054	7,175	8,087	8,138	8,683	8,178
White	Number	(NA)	27,963	26,053	(NA)	21,917	21,664
Black	Number	(NA)	14,865	13,752	(NA)	8,005	5,843
Average age ²	Year	(NA)	15.3	15.3	(NA)	14.9	14.9
Male	Year	15.3	15.4	15.5	15.3	14.9	14.9
Female	Year	15.0	15.1	15.1	15.4	15.0	15.0
Number of admissions (all residents) ³	Number	641,169	614,385	566,802	56,708	67,045	69,507
Number of departures (all residents) ³	Number	632,883	622,151	580,751	50,986	61,571	64,574
Average daily residents ⁴	Number	48,794	48,032	47,803	26,740	29,611	28,566
Facilities, total	Number	874	902	1,015	1,277	1,800	1,561
Short-term ⁵	Number	387	448	464	66	126	75
Long-term ⁵	Number	487	544	551	1,211	1,474	1,486
Occupancy less than 70 percent	Percent	36	32	34	21	20	22
70-100 percent	Percent	51	59	56	79	78	76
More than 100 percent	Percent	13	9	10		2	2
Personnel, total	Number	52,534	61,060	61,108	¹ 27,651	¹ 30,918	¹ 32,921
Full-time	Number	41,159	43,322	44,360	(NA)	22,381	23,538
Juveniles per full-time staff member	Number	1.1	1.0	1.0	(NA)	1.3	1.2
Expenditures	Mill. dol.	594.1	707.7	842.5	273.6	384.3	465.2
Capital	Mill. dol.	34.5	29.4	53.3	19.2	21.0	25.9
Operating	Mill. dol.	559.6	678.4	789.2	254.5	363.3	439.3
Per capita operating cost ⁶	\$1,000	11.5	14.1	16.5	9.5	12.3	15.4

NA Not available. ¹Includes adults. ²Includes races not reported and races not shown. ³Based on juvenile residents only. ⁴Juvenile and adult. ⁵Detention type facility mainly holding youths prior to adjudication and placement for treatment. ⁶Treatment or correctional type facility housing committed youths following adjudication. ⁷Includes community volunteers. ⁸Based on average daily residents.

Source: U.S. Law Enforcement Assistance Administration, *Children in Custody: Report on the 1979 Census of Public Juvenile Facilities; Children in Custody: Report on the 1979 Census of Private Juvenile Facilities*; and unpublished data from the 1979 Census of Juvenile Detention, Correctional and Shelter Facilities.

NO. 323. CHILDREN'S CASES DISPOSED OF BY JUVENILE COURTS: 1960 TO 1979

[For definition of delinquency cases, see text, p. 172. Dependency and neglect cases are all cases referred to the court for some form of neglect or inadequate care on the part of parents or guardians. See also *Historical Statistics, Colonial Times to 1970*, series H 1118-1124]

ITEM	1960	1966	1970	1976	1978	1977	1976	1979
Population 10-17 years old ¹ (1,000)	25,368	29,536	32,614	33,045	30,836	30,154	28,423	28,713
Delinquency cases excluding traffic ² (1,000)	510	697	1,052	1,317	1,432	1,389	1,359	1,374
Per 1,000 population 10-17 years old	20.1	23.6	32.3	39.9	46.4	46.1	48.2	47.8
Male (1,000)	415	555	800	1,002	1,093	1,063	1,055	1,058
Female (1,000)	99	142	252	315	339	326	304	316
Percent of total cases	19.3	20.4	24.0	23.9	23.7	23.6	22.4	23.0
Population under 18 years old ³ (1,000)	64,516	69,899	69,699	66,251	65,204	65,241	64,359	63,494
Dependency and neglect cases ⁴ (1,000)	131	157	133	143	151	158	158	157
Per 1,000 population under 18 years old	2.0	2.3	1.9	2.2	2.3	2.4	2.5	2.6

¹U.S. Bureau of the Census estimates of civilian population as of July 1, except 1960 and 1970, as of April 1. Beginning 1976, includes number of children from age 10 to the upper age of jurisdiction for each State. ²1960 and 1965 delinquency cases based on data from a national sample of juvenile courts. 1970-1975, based on all courts reporting, whose jurisdiction includes about two-thirds of the Nation's population; 1976-1979, based on number of children from age zero to the upper age of jurisdiction for each State. Dependency and neglect cases based on reports from courts serving about one-half of the child population under 18 years of age.

Source: National Center for Juvenile Justice, Pittsburgh, Pa., *Juvenile Court Statistics*, annual.

NO. 324. CRIME AND THE YOUNG ADULT POPULATION: 1968 TO 1979

ITEM	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Total, 11-24 yrs. of age (mil.)	49.3	50.8	52.3	54.0	54.8	56.3	56.9	58.4	59.7	59.8	59.3	58.9
Percent of total population	24.7	25.2	25.7	26.2	26.2	26.3	26.4	26.5	26.4	26.1	25.8	25.4
Percent of arrests for index offenses	73.0	73.7	73.5	73.7	72.9	73.1	74.3	73.3	71.9	71.4	70.7	70.0
Ratio of arrest rates ¹	2.1	2.2	2.3	1.8	2.3	2.5	2.6	2.7	2.8	2.8	2.6	2.5

¹Arrests of persons 11-24 years old, related to those 25 years and over

Source: Congress of the United States, Congressional Budget Office, Budget Issue Paper for Fiscal Year 1980, *The Law Enforcement Assistance Administration: Options for Reauthorization, May 1979*.

No. 325. FEDERAL AND STATE PRISONS AND PAROLE POPULATION: 1974 TO 1980

ITEM	1974	1976	1975	1977	1978	1979	1980 ¹
Prison population.....	218,500	240,800	262,800	285,400	294,400	314,457	329,207
Parole population.....	155,100	158,800	180,900	186,100	190,900	218,159	225,827
Entries to parole.....	(NA)	(NA)	87,500	82,705	99,600	98,100	125,050
Removals from parole.....	(NA)	(NA)	85,100	80,593	100,600	79,400	116,257

NA Not available. ¹ Preliminary.
Source: Through 1977, U.S. Law Enforcement Assistance Administration, thereafter, U.S. Bureau of Justice Statistics, *Parole in the United States*, annual.

No. 326. FEDERAL AND STATE PRISONERS: 1950 TO 1981

[Prior to 1970, excludes State institutions in Alaska and for 1950, those in Hawaii. Beginning 1977, includes all persons under jurisdiction of Federal and State authorities rather than those in the custody of such authorities, as was the case prior to 1979. Represents inmates sentenced to maximum term of more than a year. See also *Historical Statistics, Colonial Times to 1970*, series H 1135-1140]

YEAR	PRESENT AT END OF YEAR						RECEIVED FROM COURTS					
	All institutions		Federal		State		All institutions		Federal		State	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
1950.....	166,123	110.3	17,134	11.4	148,989	96.9	69,473	46.1	14,237	9.5	55,236	38.7
1960.....	212,953	118.6	23,218	12.9	189,735	105.7	88,575	49.3	13,723	7.6	74,852	41.7
1965.....	210,895	109.5	21,040	10.9	189,855	98.6	87,505	45.4	12,781	6.6	74,724	38.8
1970.....	196,429	96.7	20,038	9.8	176,391	86.8	79,351	39.1	12,047	5.9	67,304	33.1
1975.....	240,583	113.3	24,131	11.4	216,462	102.0	129,573	61.0	16,770	7.9	112,803	53.1
1979.....	301,470	137.3	22,588	10.3	278,882	127.0	131,047	59.7	12,619	5.7	118,428	53.9
1980.....	315,974	139.2	20,611	9.1	295,363	130.1	142,122	62.7	10,907	4.8	131,215	57.9
1981.....	353,167	153.2	22,169	9.6	330,998	143.6	160,272	69.5	11,106	4.8	149,166	64.7

¹ Rate per 100,000 estimated population.
Source: U.S. Bureau of Justice Statistics, *Prisoners in State and Federal Institutions on December 31*, annual.

No. 327. STATE CORRECTIONAL FACILITIES—CHARACTERISTICS, BY TYPE OF INSTITUTION: 1979

[In thousands; except as indicated. A unit was designated as overcrowded if it was smaller than 60 square feet or if it provided less than 80 square feet of floor space per inmate]

CHARACTERISTIC	Total	Con- fine- ment	Com- munity based	CHARACTERISTIC	Total	Con- fine- ment	Com- munity based
All facilities (number).....	791	588	223	Full-time staff.....	94.4	91.1	3.3
Inmates ¹	274.6	263.6	11.0	Inmates/full-time staff (ratio).....	2.9	2.9	3.3
Maximum security.....	109.7	109.7	-	Part-time staff.....	2.7	2.5	.2
Medium security.....	98.2	98.2	-	One-person units.....	129.5	128.3	1.2
Minimum security.....	62.2	51.2	11.0	Percent overcrowded.....	58	58	8
Not classified.....	3.6	3.6	-	Multiple-person units.....	13.3	12.9	.5
Regularly permitted to depart each day unaccompa- nied.....	13.6	4.2	9.4	Percent overcrowded.....	89	90	75
On study release.....	.9	.4	.5	Dormitories.....	10.9	8.3	2.7
On work release.....	12.0	3.4	8.6	Percent overcrowded.....	18	20	11

- Represents zero. ¹ Includes others, not shown separately and not classified.
Source: U.S. Bureau of Justice Statistics, *State Correctional Facilities Census, 1979*.

No. 328. JAILS—SUMMARY: 1978

[As of February. Excludes Federal and State prisons or other correctional institutions; institutions exclusively for juveniles; State-operated jails in Conn., Del., Hawaii, R.I., and Vt.; and other facilities which retain persons for less than 48 hours. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	United States	North- east	North Central	South	West
Jails.....	3,493	207	1,042	1,678	966
With less than 50 inmates.....	2,844	109	933	1,380	422
With 50-249 inmates.....	519	75	89	249	106
With 250 or more inmates.....	130	23	20	49	38
With inmates being held for other authorities because of overcrowding.....	630	42	98	439	51
Number of inmates.....	158,394	24,228	28,452	67,444	38,270

Source: U.S. Law Enforcement Assistance Administration, *Census of Jails and Survey of Jail Inmates, 1978*; and unpublished data.

No. 329. UTILIZATION OF FEDERAL, STATE, AND LOCAL CORRECTIONAL FACILITIES: 1978

[In thousands of inmates, except percent. Conn., N.Y., N.C., Va., and Calif. had a total of over 500 inmates housed in confinement units not included in this table. Hence measured capacity for State facilities probably underestimated by 10,000 to 15,000 beds]

ITEM	Inmates, total	Reported capacity ¹	Reported utilization (percent)	Measured capacity ²	Measured utilization (percent)	Physical capacity ³	Physical utilization (percent)
Total	412	582	82	375	110	257	189
Federal	28	25	113	24	118	19	150
State	229	244	94	200	114	132	173
Local	155	234	66	151	102	106	146

¹Capacity reported by the jurisdiction. ²Defined as one inmate per room of any size or, for dormitories, the smaller of: (1) number of square feet of floor space divided by 60 or (2) the jurisdictionally reported capacity. ³Defined as a minimum of 60 square feet of floor space per inmate.

Source: U.S. Dept. of Justice, National Institute of Justice, *American Prisons and Jails, Volume I: Summary and Policy Implications of a National Survey, 1980.*

No. 330. JAIL INMATES—SELECTED CHARACTERISTICS: 1978

[See headnote, table 328]

CHARACTERISTIC	Total ¹	White	Black	CHARACTERISTIC	Total ¹	White	Black
Total inmates ²	158,384	88,416	65,104	Military service:			
Male	146,839	64,752	60,474	Served	39,681	26,696	12,120
Female	9,555	4,666	4,630	Never served	118,488	62,716	52,942
Under 30 years	110,166	60,581	46,768	Type of offense:			
30 years and over	48,228	28,836	18,316	Violent	46,944	20,163	25,546
Median age (years)	25.3	25.0	25.6	Property	65,455	36,496	25,670
Educational attainment:				Drug	13,586	8,680	4,726
Less than 12 years	96,265	53,084	40,923	Public order	30,068	20,597	8,363
12 years or more	61,943	36,163	24,165	Legal representation:			
Median	10.2	10.2	10.2	With counsel	51,572	27,318	23,345
Prearrest employment status:				Own lawyer	9,125	5,202	3,836
Employed	89,526	51,193	38,195	Provided with lawyer	42,183	22,026	19,335
Not employed	66,101	37,858	28,555	Without counsel	14,443	8,679	5,052
With prearrest income	147,736	83,622	60,592	Detention status:			
Median income (dollars)	3,714	4,814	2,986	Unconvicted inmates	66,936	36,677	28,799
Without prearrest income	10,659	5,798	4,512	Bail status:			
				Set	54,304	29,305	23,861
				Not set	11,607	6,846	4,441
				Convicted inmates	91,411	52,688	36,300
				Method of conviction:			
				Pleaded guilty	70,045	42,536	25,682
				Judged guilty	20,075	9,666	9,916

¹Includes races other than White and Black. ²Detail may not add to total because some items are unavailable or unknown.

Source: U.S. Bureau of Justice Statistics, *Profile of Jail Inmates: Sociodemographic Findings from the 1978 Survey of Inmates of Local Jails*, October 1980.

No. 331. FEDERAL PRISONERS UNDER SENTENCE, BY OFFENSE AND RACE: 1981

[These data pertain only to the Federal offender population housed in Federal institutions during or on the last day of the fiscal year ending Sept. 30. Represents more than 89 percent of the sentenced Federal prisoner population]

OFFENSE	Total	WHITE		OTHER RACES		OFFENSE	Total	WHITE		OTHER RACES	
		Num-ber	Aver-age sen-tence (mo.)	Num-ber	Aver-age sen-tence (mo.)			Num-ber	Aver-age sen-tence (mo.)	Num-ber	Aver-age sen-tence (mo.)
Total ¹	20,358	12,758	102.4	7,600	144.2	Securities violations ²	102	73	79.3	29	71.5
Drug laws	5,367	4,030	75.8	1,357	104.5	Counterfeiting	389	310	59.5	79	48.0
Robbery	4,312	2,152	178.3	2,180	178.3	Fraud	739	597	50.3	142	37.6
Larceny/theft	2,225	1,345	60.5	881	49.2	Kidnaping	416	276	373.7	140	400.2
Firearms	604	603	59.1	201	52.4	Juvenile delinquency	9	4	14.5	5	66.4
Immigration	954	934	15.3	20	15.0	Burglary	70	41	94.8	29	112.9
Forgery	539	229	55.1	310	48.8	Government ³	2,342	592	296.3	1,732	213.4

¹Includes offenses not shown separately. ²Transporting false or forged securities. ³Includes offenses committed on government reservations, the high seas, territories, and the District of Columbia.

Source: U.S. Bureau of Prisons, *Statistical Report*, annual.

Federal and State Prisoners

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NO. 332. FEDERAL AND STATE PRISONS—PRISONERS, BY STATE: 1960 TO 1981

(For years ending Dec. 31; represent inmates sentenced to maximum term of more than a year. See source regarding comparability of data)

STATE	1960	1970	1975	1977 ¹	1978	1979	1980	1981			
								Total	Rate ²	Male	Female
U.S.	212,863	198,429	240,583	256,486	294,366	301,470	315,874	353,167	163	338,940	14,227
Male	205,253	190,794	(NA)	274,244	282,813	289,485	303,843	338,940	303	338,940	(x)
Female	7,700	5,635	(NA)	11,212	11,553	12,005	12,331	14,227	12	(x)	14,227
Federal ³	23,218	20,036	24,131	28,660	26,391	22,588	20,511	22,166	10	20,898	1,273
State	189,736	178,391	216,452	258,806	288,006	278,882	295,363	330,998	144	318,044	12,954
New Eng.	4,871	4,843	5,838	6,308	6,383	6,843	7,890	9,074	73	8,827	247
Maine	750	518	843	626	577	641	671	808	71	786	20
N.H.	180	244	250	261	263	316	326	366	42	391	7
Vt.	269	182	244	364	351	311	342	395	76	366	9
Mass.	1,920	2,053	2,242	2,731	2,785	2,677	3,150	3,791	85	3,690	101
R.I.	255	(NA)	408	528	524	559	611	689	72	681	8
Conn.	1,497	1,566	1,849	1,776	1,883	2,139	2,750	2,995	95	2,693	102
Middle Atl.	29,293	24,062	27,726	32,214	33,803	34,080	36,316	41,751	113	40,384	1,367
N.Y.	17,207	12,059	16,071	19,367	20,459	20,856	21,839	25,599	145	24,830	769
N.J.	4,284	5,704	5,862	5,386	5,422	5,539	5,984	6,661	92	6,575	286
Pa.	7,802	6,299	5,962	7,461	7,722	7,685	8,112	9,291	75	8,969	302
E. No. Cent.	37,398	31,755	37,023	45,982	46,644	48,670	48,899	55,088	122	52,874	2,222
Ohio	11,111	9,185	11,421	12,848	13,107	13,260	13,489	14,968	139	14,205	763
Ind.	5,429	4,137	3,897	4,250	4,396	5,270	6,261	7,559	136	7,291	268
Ill.	9,084	6,381	7,861	11,425	10,766	11,261	10,724	12,998	113	12,604	392
Mich.	9,550	9,079	10,852	13,824	14,944	15,002	15,124	15,157	165	14,527	630
Wis.	2,784	2,973	2,992	3,347	3,432	3,677	3,980	4,416	93	4,247	169
W. No. Cent.	12,317	10,186	11,288	13,442	13,776	13,762	14,898	16,357	95	16,706	652
Minn.	2,059	1,585	1,885	1,863	1,954	2,094	2,001	2,024	49	1,966	56
Iowa	2,204	1,747	1,768	2,065	1,981	2,261	2,479	2,554	66	2,446	108
Mo.	3,988	3,413	4,371	5,302	5,637	5,279	5,726	6,499	131	6,224	265
N. Dak.	248	147	173	163	138	136	165	218	33	215	3
S. Dak.	526	391	336	500	505	539	608	662	97	638	24
Nebr.	1,269	1,001	1,251	1,263	1,242	1,183	1,402	1,640	104	1,589	51
Kans.	2,913	1,902	1,885	2,246	2,339	2,290	2,494	2,770	116	2,625	145
So. Atl.	37,808	35,795	58,946	70,182	72,094	72,847	75,391	82,534	217	79,342	3,192
Del.	226	596	582	820	1,005	1,068	1,067	1,248	208	1,201	47
Md.	5,316	5,186	6,865	8,148	7,966	7,680	7,731	9,335	218	9,031	304
D.C.	1,958	1,423	2,302	2,237	2,530	2,598	2,719	2,832	467	2,679	53
Va.	5,775	4,646	5,487	7,143	7,662	8,200	8,581	9,013	165	8,698	315
W. Va.	2,407	936	1,271	1,206	1,237	1,251	1,257	1,565	60	1,528	37
N.C.	6,977	5,969	10,993	12,830	12,266	13,481	14,456	14,854	248	14,282	572
S.C.	2,080	2,726	5,800	6,736	7,130	7,115	7,427	8,010	251	7,892	318
Ge.	6,985	5,113	10,421	11,597	10,833	11,686	11,922	12,377	220	11,793	584
Fla.	7,084	9,187	15,315	19,433	21,243	19,407	20,211	23,200	224	22,238	962
E. So. Cent.	14,081	11,837	14,446	17,370	17,387	19,208	20,771	23,767	145	22,534	923
Ky.	3,603	2,849	3,246	3,661	3,390	3,691	3,586	4,167	114	4,067	100
Tenn.	3,134	3,268	4,581	5,480	5,835	6,829	7,022	7,897	171	7,502	395
Ala.	5,369	3,790	4,420	5,545	5,529	5,484	6,368	7,198	183	6,911	286
Miss.	1,975	1,730	2,422	2,584	2,633	3,425	3,783	4,494	177	4,354	140
W. So. Cent.	19,782	22,167	29,990	35,708	38,630	41,370	46,488	48,485	200	47,294	2,201
Ark.	2,016	(NA)	2,162	2,462	2,578	2,980	2,911	3,297	143	3,167	130
La.	3,749	4,196	4,758	6,731	7,291	7,618	8,889	9,415	216	9,071	344
Okl.	2,679	3,640	3,123	4,074	4,186	4,290	4,796	5,281	169	5,006	275
Tex.	11,398	14,331	19,937	22,439	24,575	26,522	29,892	31,502	210	30,050	1,452
Int.	7,282	6,361	8,586	10,888	11,802	12,430	13,024	14,928	126	14,383	545
Mont.	802	280	420	558	680	712	736	828	104	804	24
Idaho	549	411	580	774	802	830	817	957	99	932	25
Wyo.	338	231	307	400	433	504	534	587	117	563	24
Colo.	2,078	2,088	2,039	2,324	2,474	2,658	2,608	2,770	92	2,669	81
N. Mex.	1,243	742	999	1,448	1,505	1,466	1,198	1,345	100	1,297	48
Ariz.	1,518	1,480	2,647	3,229	3,450	3,737	4,360	5,199	184	4,963	236
Utah	653	491	657	805	908	957	928	1,126	73	1,085	41
Nev.	413	690	848	1,149	1,350	1,566	1,839	2,116	245	2,030	86
Pac.	26,383	29,926	29,868	28,336	27,896	26,841	32,030	38,008	116	36,411	1,596
Wash.	2,455	2,654	3,369	4,180	4,467	4,342	4,399	5,338	125	5,124	212
Oreg.	1,710	1,800	2,480	2,907	2,873	3,168	3,172	3,292	124	3,189	103
Calif.	21,680	25,033	17,298	17,338	19,550	21,260	23,264	27,913	114	26,681	1,232
Alaska	(NA)	(NA)	207	532	490	532	571	708	170	679	29
Hawaii	558	226	398	398	486	539	624	757	77	736	19

NA Not available. X Not applicable. ¹See footnote, table 328. ²Rate per 100,000 resident population of States as of Dec. 31, 1981. ³Not included in State figures. ⁴Total excludes, and individual State figures include, transfers.

Source: U.S. Bureau of Justice Statistics, *Prisoners in State and Federal Institutions on December 31, annual.*

NO. 333. AVERAGE TIME SERVED BY PRISONERS RELEASED FROM FEDERAL INSTITUTIONS FOR FIRST TIME: 1965 TO 1981

[For years ending June 30; except beginning 1977, years ending September 30. In computing averages, sentences to life and more than 45 years were counted as 45 years; minority sentences of juvenile delinquents were counted from date of sentence to 21st birthday]

YEAR AND OFFENSE	ALL FIRST RELEASES ¹			PAROLE ¹			EXPIRATION OF SENTENCE ^{1,2}			YCA ³ RELEASES	
	Number	Average time (mo.)		Number	Average time (mo.)		Number	Average time (mo.)		Number	Avg. time served (mo.)
		Sentence	Served		Sentence	Served		Sentence	Served		
1965, all offenses.....	12,100	32.6	19.9	3,364	42.6	18.3	8,706	26.7	20.5	1,226	21.8
1970, all offenses.....	8,467	26.6	19.7	2,754	55.0	20.0	5,733	30.7	18.6	847	21.7
1975, all offenses.....	11,313	30.6	18.5	4,367	73.7	27.8	6,946	18.8	12.6	1,136	21.6
1976, all offenses.....	10,463	32.3	18.1	3,114	74.3	28.9	7,349	14.4	10.1	958	18.7
1977, all offenses.....	10,853	30.7	15.5	2,866	70.8	26.5	8,265	17.7	12.0	1,036	21.9
1978, all offenses.....	12,132	37.2	18.7	3,318	78.5	30.0	8,614	21.6	14.4	1,172	24.7
1979, all offenses.....	10,825	44.1	21.0	3,766	65.1	32.6	7,159	22.4	14.9	1,008	25.3
1980, all offenses.....	9,066	33.9	15.9	2,440	63.6	31.0	6,626	15.5	10.3	486	24.6
1981, all offenses ⁴	9,884	41.0	17.9	3,485	63.9	30.2	6,399	17.6	11.1	680	25.9
Counterfeiting.....	196	34.1	15.3	97	55.0	21.2	99	13.6	9.5	16	15.5
Drug laws.....	2,221	52.0	21.9	1,123	77.6	27.6	1,098	25.7	15.9	152	17.9
Embezzlement.....	213	17.7	9.2	56	34.5	13.7	157	11.7	7.6	12	14.7
Escape, flight, or harboring a fugitive.....	66	25.6	17.0	22	54.0	25.0	84	16.1	14.3	4	17.2
Firearms.....	432	36.1	19.7	135	59.3	26.1	297	25.5	16.6	22	27.0
Forgery.....	361	33.8	16.8	159	49.6	20.9	223	22.6	13.9	30	16.6
Fraud.....	805	22.7	11.3	171	49.1	16.9	434	12.3	8.9	7	23.1
Immigration.....	2,039	6.7	4.5	120	34.4	15.5	1,919	5.0	3.6	6	14.2
Income tax.....	219	13.2	7.4	47	34.6	13.9	172	7.4	5.7	1	9.0
Juvenile delinquency.....	2	30.0	25.5	-	-	-	2	30.0	25.5	-	-
Kidnaping.....	45	184.6	67.2	29	218.4	72.1	16	123.3	58.2	4	41.0
Larceny-theft.....	1,404	30.6	15.9	483	49.6	20.9	911	20.4	13.2	125	20.9
Motor vehicle, interstate.....	273	41.1	23.0	113	60.6	23.6	160	34.1	22.5	27	19.1
Liquor laws.....	20	13.5	7.1	4	34.5	12.2	16	6.2	5.9	1	7.0
Robbery.....	719	160.0	54.0	559	189.7	56.4	159	80.9	45.3	129	29.0
Securities, transporting false.....	54	63.2	26.5	33	82.9	30.6	21	32.2	20.2	5	20.6
White slave traffic.....	19	52.3	16.6	14	63.0	17.0	5	22.4	16.2	1	16.0
Military court-martial cases.....	27	63.1	33.7	19	106.3	40.3	8	23.5	18.0	-	-
Govt. reservation, high seas, territories, and D.C.....	443	66.6	26.5	166	117.3	39.6	255	33.0	16.6	92	33.9

- Represents zero. ¹Excludes prisoners sentenced under Youth Corrections Act. ²Includes mandatory release. ³Youth Corrections Act. ⁴Includes other offenses not shown separately. Excludes 585 first releases (escapes, pardons, etc.) other than by parole, expiration of sentence, and mandatory release; also excludes 278 second or subsequent releases.

Source: U.S. Bureau of Prisons, *Statistical Report*, annual.

NO. 334. PRISONERS UNDER SENTENCE OF DEATH: 1975 TO 1981

[As of December 31. Excludes prisoners under sentence of death who remained within local correctional systems pending exhaustion of appellate process or who had not been committed to prison. These data may not match data in table 336 because of revisions of totals but not to characteristics]

CHARACTERISTIC	1975	1976	1978	1980	1981	CHARACTERISTIC	1975	1976	1978	1980	1981
Total.....	476	446	567	714	836	Marital status:					
White.....	214	261	344	418	488	Never married.....	217	167	206	268	327
Black and other.....	265	184	223	270	350	Married.....	167	136	190	229	259
Under 20 years.....	43	22	11	11	15	Divorced ¹	95	122	169	217	252
20-24 years.....	139	113	145	173	171	Time elapsed since sentencing:					
25-34 years.....	204	210	276	334	415	6 months or less.....	186	182	158	111	227
35-54 years.....	63	97	128	186	224	7-12 months.....	130	237	306	366	416
55 years and over.....	10	3	7	10	13	13-47 months.....	155	48	97	102	110
Completed school:						48-71 months.....	13	-	3	36	85
7 years or less.....	71	55	55	68	74	72 months and over.....	15	-	-	-	-
8 years.....	50	46	55	74	83	Legal status at arrest:					
9-11 years.....	167	158	187	204	247	Not under sentence.....	293	277	324	384	433
12 years.....	99	99	121	162	199	Parole or probation.....	51	60	68	115	147
More than 12 years.....	21	26	36	43	57	Prison or escaped.....	27	55	38	45	46
Unknown.....	77	56	110	163	178	Unknown.....	106	73	117	170	212

- Represents zero. ¹Includes persons married but separated, widows, widowers, and unknown.

Source: 1975 and 1976, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Capital Cases*.

NO. 335. MOVEMENT OF PRISONERS UNDER SENTENCE OF DEATH: 1970 TO 1981

[Prisoners reported under sentence of death by civil authorities. The term "under sentence of death" begins when the court pronounces the first sentence of death for a capital offense. As a result of a major procedural change, beginning 1976, all data except executions, are not strictly comparable to corresponding data for earlier years. See source for explanation.]

STATUS	1970	1974	1976	1976	1977	1978	1979	1980	1981	
									Total	Murder ¹
Under sentence of death, Jan. 1.....	575	134	243	487	419	421	478	568	658	667
Received death sentence ²	133	186	322	249	158	207	171	197	226	227
White.....	86	77	145	144	81	122	103	121	124	124
Black.....	66	64	174	105	76	85	68	75	100	99
Dispositions other than executions.....	77	57	78	317	155	150	59	97	77	77
Executions.....	-	-	-	-	1	-	2	-	1	1
Under sentence of death, Dec. 31 ³	531	243	487	419	421	478	568	658	636	638
White.....	293	108	217	224	227	278	350	418	486	487
Black.....	336	126	262	195	192	196	235	268	342	341

- Represents zero. ¹Prisoners found guilty of murder or of murder and other crime(s).

²Includes persons other than White or Black.

NO. 336. PRISONERS EXECUTED UNDER CIVIL AUTHORITY: 1930 TO 1981

[Excludes executions by military authorities. The Army (including the Air Force) carried out 180 (148 between 1942 and 1980, 3 each in 1984, 1986, and 1987, and 1 each in 1988, 1989, and 1991). Of the total, 108 were executed for murder (including 21 involving rape), 53 for rape, and 1 for desertion. The Navy carried out no executions during the period. See also *Historical Statistics, Colonial Times to 1970*, series H 1155-1167.]

YEAR OR PERIOD	Total ¹	White	Black	EXECUTED FOR MURDER			EXECUTED FOR RAPE			OTHER OFFENSES ²		
				Total ¹	White	Black	Total ¹	White	Black	Total ¹	White	Black
All years.....	3,862	1,784	2,066	3,337	1,967	1,330	455	48	405	70	38	31
1930-1939.....	1,667	627	816	1,514	803	667	125	10	115	29	14	14
1940-1949.....	1,284	490	781	1,064	458	595	200	19	179	20	13	7
1950-1959.....	717	336	378	601	316	280	102	13	89	14	7	7
1960-1964.....	181	80	91	145	79	66	29	6	22	8	5	3
1965-1967.....	10	8	2	10	8	2	-	-	-	-	-	-
1968-1976.....	-	-	-	-	-	-	-	-	-	-	-	-
1977-1981 ³	4	4	-	4	4	-	-	-	-	-	-	-

- Represents zero. ¹Includes races other than White or Black. ²25 armed robbery, 20 kidnapping, 11 burglary, 6 espionage (5 in 1942, and 2 in 1953), and 6 aggravated assault. ³See footnote 1, table 337.

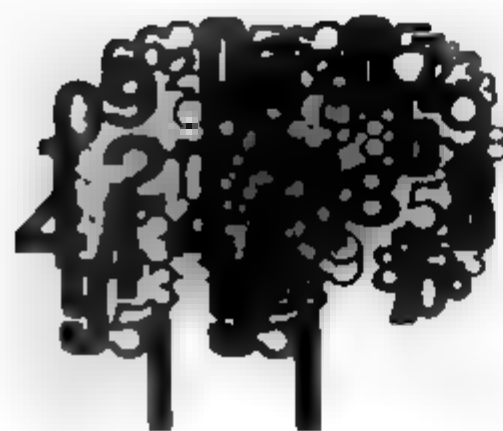
NO. 337. PRISONERS EXECUTED UNDER CIVIL AUTHORITY—STATES: 1940 TO 1981

[No executions took place in Alaska, Hawaii, Maine, Michigan, Minnesota, New Hampshire, North Dakota, Rhode Island, and Wisconsin from 1940 to 1981. At no time during this period was the death penalty authorized in Alaska, Hawaii, Maine, Minnesota, and Wisconsin; it was abolished in Michigan in 1963 and lapsed in North Dakota in 1975 through statutory expiration; in the remaining two States, New Hampshire and Rhode Island, the death penalty was authorized during most of the period. At no time since the beginning of statehood in 1959 have Alaska or Hawaii authorized the death penalty.]

STATE	1940 to 1949	1950 to 1959	1960 to 1967	1968 to 1976	1977 to 1981 ¹	STATE	1940 to 1949	1950 to 1959	1960 to 1967	1968 to 1976	1977 to 1981 ¹	STATE	1940 to 1949	1950 to 1959	1960 to 1967	1968 to 1976	1977 to 1981 ¹
Total ²	1,284	717	191	-	4	Iowa.....	7	1	2	-	-	Ohio.....	51	32	7	-	-
Ala.....	50	20	5	-	-	Kans.....	5	5	5	-	-	Okl.....	13	7	6	-	-
Ariz.....	8	8	4	-	-	Ky.....	34	16	1	-	-	Oreg.....	12	4	1	-	-
Ark.....	36	16	9	-	-	La.....	47	27	1	-	-	Pa.....	36	31	3	-	-
Calif.....	80	74	30	-	-	Md.....	45	8	1	-	-	S.C.....	61	26	6	-	-
Colo.....	13	3	8	-	-	Mass.....	9	-	-	-	-	S.Dak.....	1	-	-	-	-
Conn.....	10	5	1	-	-	Miss.....	60	36	10	-	-	Tenn.....	37	8	1	-	-
Del.....	4	-	-	-	-	Mo.....	15	7	4	-	-	Tex.....	74	74	29	-	-
D.C.....	18	4	-	-	-	Mont.....	1	-	-	-	-	Utah.....	4	6	1	-	1
Fla.....	65	49	12	-	1	Nebr.....	2	2	-	-	-	Vi.....	1	2	-	-	-
Ga.....	130	85	14	-	-	Nev.....	10	9	2	-	1	Va.....	35	23	6	-	-
Idaho.....	-	3	-	-	-	N.J.....	14	17	3	-	-	Wash.....	16	8	2	-	-
Ill.....	18	9	2	-	-	N.Mex.....	2	3	1	-	-	W.Va.....	11	9	-	-	-
Ind.....	7	2	1	-	1	N.Y.....	114	52	10	-	-	Wyo.....	2	-	1	-	-
						N.C.....	112	19	1	-	-						

- Represents zero. ¹One execution in 1977, none in 1978, two in 1979, none in 1980 and 1 in 1981. ²Includes 23 Federal executions not shown by State (1940-1949, 13; 1950-1959, 9; and 1960-1987, 1).

Source of tables 335-337: Through 1976, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.



Section 7

Geography and Environment

This section presents data on land and water areas, physical geography, and climate of the United States. Statistics on the quality of air and water, on environmental pollutants, and on expenditures for pollution abatement and control are also shown.

There are few publications other than those showing area measurements (issued irregularly by the Bureau of the Census) which present area and geography statistics of a national scope. However, many data are compiled for particular regions or for internal administrative purposes by such Federal agencies as the Geological Survey, National Oceanic and Atmospheric Administration (NOAA), and the Soil Conservation Service. Data on air and water quality and on types and sources of pollutants are compiled by various agencies and the U.S. Council on Environmental Quality (CEQ). For details, see the annual report of CEQ, *Environmental Quality, Environmental Statistics, 1979*, and *Environmental Trends*.

Area.—Area measurements were first conducted for the United States as a whole, and gradually were extended to the individual States. The annual report of the U.S. General Land Office for 1850 contained the first reference to measurements of areas of the States and Territories. In 1881, as part of the 1880 Census of Population, the Bureau of the Census laid the foundation for accurate and detailed area measurement in the United States. For the first time an account was given of the methods and maps employed, the water bodies included, and the outer limits of the United States used as a basis for measurement. As part of the 1940 census, the Bureau published *Areas of the United States, 1940*, in which data were presented on the total land and inland water areas of the States, counties, places, and minor civil divisions. In the 1950 and 1960 census reports, adjustments in selected area figures were made because changes in boundaries, development of water reservoirs, or improvements in the maps from which measurements are made had taken place. In 1984, the Bureau undertook a new measurement of the areas of places with at least 1,000 inhabitants, minor civil divisions, and census county divisions of the 1980 census. The results are published in *Area Measurement Reports, Series GE-20*. The series consists of one report for each State and a U.S. summary. These reports include the same kinds of data as the 1940 report. Land areas of places with populations of 2,500 and over as of 1970 are shown in *Census of Population, 1970*, vol. 1, chapter A; data for counties are shown in the separate State reports. For 1980, land and water area for the individual States and their counties and county equivalents are published in *1980 Census of Population*, vol. 1, chapter A reports (PC80-1-A).

Geography.—The Geological Survey conducts investigations, surveys, and research in the fields of geography, geology, topography, land use/land cover, mineralogy, hydrology, and geothermal energy resources as well as natural hazards. In cooperation with State and local agencies, the USGS prepares and publishes topographic, land use/land cover, geologic, and hydrologic maps and data compilations. The Geological Survey provides United States cartographic data through the National Cartographic Information Center, water resources data through a multi-volume *Catalog of Information on Water Data*, and variety of research and Open-File reports which are announced monthly in *New Publications of the Geological Survey*.

The National Ocean Survey, a division of NOAA, is responsible for coastal and geodetic surveys and measurement of certain physical phenomena. Currently, its primary functions are to provide charts for marine and air navigation, to maintain a basic network of geodetic control, and to compile other basic data for engineering, scientific, commercial, industrial, and defense needs.

An inventory of the nation's land resources was conducted by the Soil Conservation Service in 1977. The results, published in the *National Inventory of Land Resources, 1977*, cover all non-Federal land in Puerto Rico, the Virgin Islands, and the U.S. except Alaska.

Maps prepared by the Bureau of the Census show boundaries of various types of political and statistical areas, such as places, county subdivisions, census tracts, and urbanized areas of large cities.

Environment.—The CEQ is responsible for coordinating all environmental quality programs, recommending national environmental policies, analyzing changes and trends in the environment, and for reviewing Federal programs affecting the environment. It reports on its activities in its annual publication, *Environmental Quality*. The principal Federal agency responsible for research and enforcement activities related to pollution abatement and control is the Environmental Protection Agency (EPA). It is also responsible for establishing and monitoring national air quality standards.

Air sampling, conducted by the Public Health Service, began in 17 communities in 1953; in 1957 the National Air Surveillance Network was established and, by the late 1960's, covered approximately 260 urban and 30 rural stations. The operation of the stations was decentralized in 1972 to the 10 regional EPA offices and many of the stations were in turn assimilated into State and locally operated air monitoring networks. The Network determines the extent and nature of air pollution and studies trends in levels of atmospheric contaminants.

National Ambient Air Quality Standards for suspended particulate matter, sulfur dioxide, oxidants, carbon monoxide, and nitrogen dioxide were set by EPA in April 1971. Responsibility for demonstrating compliance with or progress toward achieving these standards lies with the State agencies. There are approximately 3,500 non-Federal sampling stations for suspended particulates, almost 1,000 for sulfur oxides, 460 for carbon monoxide, 720 for photochemical oxidants, and 950 for nitrogen oxides. Data from these State networks are periodically submitted to EPA's National Aerometric Data Bank for summarization in quarterly reports on the nationwide status of, and trends in, air quality; for details, see *National Air Pollutant Emission Estimates, 1940-80*.

Pollution abatement and control expenditures.—Data on expenditures for pollution abatement and control are compiled and published by the Office of Management and Budget (OMB), the U.S. Bureau of Economic Analysis (BEA), the U.S. Bureau of the Census, and the CEQ as part of ongoing programs. OMB collects and publishes figures annually on Federal funds spent for pollution abatement and control in *The Budget of the United States Government*. BEA conducts surveys on national expenditures for pollution abatement and control and presents the data in its *Survey of Current Business*. The U.S. Bureau of the Census collects data on State and local government and industry expenditures on control activities. Data on government expenditures are reported in the annual *Environmental Quality Control: Government Finances*. Industry data are reported annually in *Current Industrial Reports*. CEQ publishes data in *Environmental Quality*.

Climate.—NOAA, through the National Weather Service and the Environmental Data Information Service, is responsible for data on climate. NOAA maintains about 11,500 weather stations, of which over 3,000 produce autographic precipitation records, about 600 take automatic or hourly readings of a series of weather elements, and the remainder record data once a day. These data are reported on monthly, with an annual summary, in *Climatological Data: National Summary and Local Climatological Data*.

Nearly all weather stations have been moved several times in their history. Consequently, NOAA uses "normal" values of temperature and precipitation for comparative purposes rather than the daily, monthly, and yearly averages which have been derived from records accumulated at the different locations the stations may have had over the years. "Normal" values are obtained by adding the high and low values for a specified period and dividing by 2.

The base period for the normal values of temperature and precipitation is currently the 30-year period, 1941 through 1970; in late 1982, normal values for the period, 1951 through 1980 will be available. For stations having records for the entire 30 years from the same instrument site, monthly precipitation and temperature normals are the arithmetic averages of the monthly values for the 30 years. The annual normal temperature is obtained by dividing the sum of the monthly normals by 12.

For stations that did not have continuous records from the same instrument site for the entire 30 years, 1941 through 1970, the means have been adjusted to the record at the present site. In these adjustments, a "difference factor" was used for temperature and a "ratio factor" for precipitation. These factors were determined by parallel comparison with other nearby stations that have a continuous record for the 30-year period to obtain the resultant adjustment factors. Normals were thereafter obtained by the method described above.

The heating degree-day normals are derived from the monthly mean temperatures, and computed to base 65° F. The heating degree day has been defined as follows: "A unit, based upon temperature difference and time, used in estimating fuel consumption and specifying nominal heating load in winter. For any one day, when the mean temperature is less than 65° F., there exist as many degree days as there are Fahrenheit degree differences in the temperature between the average temperature for the day and 65° F."

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 336. AREA OF STATES AND OTHER AREAS: 1980

(One sq. mile = 2.59 sq. kilometers. See *Historical Statistics, Colonial Times to 1870*, series A 210-283, for land area.)

STATE OR OTHER AREA	Year admitted to statehood	TOTAL AREA			LAND AREA ¹		WATER AREA ²	
		Rank	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.
United States	(X)	(X)	3,616,770	9,372,814	3,536,269	9,166,789	79,481	205,885
New England	(X)	(X)	66,672	172,691	63,012	163,201	3,660	9,490
Maine	1820	39	33,265	86,156	30,965	80,277	2,270	5,879
New Hampshire	*1786	44	9,279	24,032	8,993	23,292	286	739
Vermont	1791	43	9,614	24,900	9,273	24,017	341	883
Massachusetts	*1786	45	8,284	21,458	7,824	20,265	460	1,191
Rhode Island	*1790	50	1,212	3,140	1,055	2,732	158	408
Connecticut	*1786	48	5,018	12,997	4,872	12,617	147	380
Middle Atlantic	(X)	(X)	102,303	264,707	99,733	258,308	2,479	6,386
New York	*1788	30	48,108	127,189	47,377	122,706	1,731	4,483
New Jersey	*1787	46	7,767	20,169	7,466	19,342	319	827
Pennsylvania	*1787	33	45,308	117,348	44,858	116,280	420	1,086
East North Central	(X)	(X)	246,840	643,718	243,961	631,859	4,879	11,990
Ohio	1803	35	41,330	107,044	41,004	106,201	325	843
Indiana	1816	38	36,185	93,720	35,832	93,084	253	656
Illinois	1818	24	56,345	145,934	55,545	144,120	700	1,814
Michigan	1837	23	56,527	151,686	56,954	147,511	1,573	4,075
Wisconsin	1848	26	56,153	145,436	54,428	140,964	1,727	4,472
West North Central	(X)	(X)	517,828	1,341,188	508,122	1,316,963	8,698	22,494
Minnesota	1858	12	64,402	167,801	79,548	206,030	4,854	12,571
Iowa	1846	25	56,275	145,753	55,985	144,950	310	803
Missouri	1821	19	69,697	180,516	68,945	178,568	752	1,948
North Dakota	1889	17	70,702	183,119	69,300	179,486	1,403	3,633
South Dakota	1889	18	77,116	199,730	75,952	196,715	1,164	3,014
Nebraska	1867	15	77,355	200,350	76,844	198,508	711	1,842
Kansas	1861	14	82,277	213,098	81,778	211,805	499	1,293
South Atlantic	(X)	(X)	278,838	722,429	268,818	691,296	12,017	31,123
Delaware	*1787	49	2,044	5,295	1,932	5,005	112	290
Maryland	*1788	42	10,460	27,092	9,837	25,477	623	1,614
District of Columbia	(X)	(X)	69	178	63	162	6	15
Virginia	*1788	36	40,767	105,586	39,704	102,832	1,063	2,753
West Virginia	1863	41	24,231	62,759	24,116	62,468	112	291
North Carolina	*1789	28	52,569	136,413	48,843	126,504	3,825	9,909
South Carolina	*1788	40	31,113	80,582	30,203	78,227	809	2,095
Georgia	*1788	21	58,910	152,578	58,056	150,364	854	2,211
Florida	1845	22	58,084	151,939	54,153	140,258	4,511	11,683
East South Central	(X)	(X)	181,847	471,243	178,824	463,154	3,123	8,069
Kentucky	1792	37	40,409	104,880	39,668	102,743	740	1,917
Tennessee	1796	34	42,144	109,152	41,155	106,591	989	2,561
Alabama	1819	29	51,705	133,915	50,767	131,487	938	2,428
Mississippi	1817	32	47,669	123,515	47,233	122,333	437	1,133
West South Central	(X)	(X)	497,791	1,283,846	427,271	1,108,633	10,439	27,013
Arkansas	1836	27	53,187	137,754	52,076	134,883	1,109	2,871
Louisiana	1812	31	47,752	123,677	44,521	115,310	3,230	8,385
Oklahoma	1907	16	69,856	181,186	68,855	177,817	1,301	3,369
Texas	1845	2	268,807	691,030	262,017	678,623	4,790	12,407
Mountain	(X)	(X)	683,863	1,768,628	655,193	1,714,951	8,369	21,677
Montana	1889	4	147,046	380,848	145,388	376,555	1,657	4,293
Idaho	1890	13	83,564	216,432	82,412	213,447	1,153	2,985
Wyoming	1890	9	97,809	253,326	96,989	251,202	820	2,125
Colorado	1876	8	104,091	269,595	103,595	268,311	486	1,255
New Mexico	1912	5	121,593	314,825	121,335	314,258	258	667
Arizona	1912	6	114,000	295,290	113,508	293,988	492	1,274
Utah	1896	11	84,899	219,889	82,073	212,569	2,826	7,320
Nevada	1864	7	110,561	286,352	109,694	284,824	867	2,228
Pacific	(X)	(X)	821,393	2,128,406	806,253	2,121,295	25,140	65,113
Washington	1889	20	68,139	176,479	66,511	172,264	1,627	4,215
Oregon	1859	10	97,073	251,419	96,194	249,117	880	2,302
California	1850	3	158,708	411,049	156,299	404,814	2,407	6,234
Alaska	1959	1	591,004	1,530,700	570,833	1,478,457	20,171	52,243
Hawaii	1959	47	6,471	16,759	6,425	16,641	46	118
Other areas:								
Puerto Rico	(X)	(X)	3,515	9,103	3,459	8,958	56	145
Virgin Islands of U.S.	(X)	(X)	132	344	132	342	1	3
American Samoa	(X)	(X)	77	199	77	199	-	-
Guam	(X)	(X)	209	541	209	541	-	-
Trust Territory of Pacific Islands ³	(X)	(X)	633	1,380	533	1,380	-	-
No. Mariana Islands	(X)	(X)	184	477	184	477	-	-

Represents 240. X Not applicable. Dry land and land temporarily or partially covered by water, as marshland, swamp, etc., streams and canals under one-eighth statute mile wide; and lakes, reservoirs, and ponds under 40 acres of area.

¹Permanent inland water surface, such as lakes, reservoirs, and ponds having 40 acres or more of area; streams, sloughs, estuaries, and canals one-eighth statute mile or more in width; deeply indented embayments and sounds, and other coastal waters behind or sheltered by headlands or islands separated by less than 1 nautical mile of water, and islands having less than 40 acres of area. Excludes areas of oceans, bays, sounds, etc., lying within U.S. jurisdiction but not defined as inland water. ²Year of ratification of Constitution; one of the original 13 States. ³Administered by United States since July 18, 1947, under United Nations Trusteeship system.

Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1, Chapter A (PC80-1-A), and unpublished data.

NO. 339. TERRITORIAL EXPANSION OF THE UNITED STATES AND ACQUISITIONS OF OTHER AREAS

[One square mile = 2.59 square kilometers. Boundaries of all territories listed under "United States" were indefinite, at least in part, at time of acquisition. Area figures shown here represent precise determinations of specific territories which have been marked upon maps, based upon interpretations of the several treaties of cession, which are necessarily debatable. These determinations were made by a committee consisting of representatives of various governmental agencies in 1912. Subsequently those figures were adjusted to bring them into agreement with remeasurements made in 1960. See also *Historical Statistics, Colonial Times to 1970*, series J 1-2]

ACCESSION	Acquisition date	GROSS AREA (land and water)		ACCESSION	Acquisition date	GROSS AREA (land and water)	
		Sq. mi.	Sq. km.			Sq. mi.	Sq. km.
Total	(x)	3,623,463	9,384,786	Other:			
United States.....	(x)	3,618,770	9,372,614	Puerto Rico	² 1898	3,515	9,104
Territory in 1790 ¹	(x)	691,384	2,308,633	Guam	² 1898	209	541
Louisiana Purchase.....	1803	831,321	2,153,121	American Samoa.....	⁴ 1899	77	199
Purchase of Florida	1819	69,866	180,953	Virgin Islands of the			
Texas	1845	364,956	997,041	U.S.	1917	133	344
Oregon.....	1848	283,439	734,107	Trust Territory of the			
Mexican Cession.....	1848	530,706	1,374,529	Pacific Islands ⁵	1947	533	1,380
Gadsden Purchase	1853	29,640	76,768	No. Mariana Is. ⁵	1947	164	477
Alaska.....	1867	591,004	1,530,700	All other ⁵	(x)	42	109
Hawaii.....	1898	6,471	16,760				

X Not applicable. ¹Includes that part of drainage basin of Red River of the North, south of 49th parallel, sometimes considered part of Louisiana Purchase. ²Ceded by Spain in 1898, ratified in 1899, and became Commonwealth of Puerto Rico by Act of Congress on July 25, 1952. ³Acquired 1898; ratified 1899. ⁴Acquired 1899; ratified 1900. ⁵Land area only. Under trusteeship. See table 6, footnote 9. ⁶Comprises following islands with gross areas as indicated, in sq. mi.: Midway (2), Wake (3), Palmyra (4), Canton and Enderbury (combined area, 27), Swan (1) which were returned to Honduras in 1972. Navassa (2), Baker, Howland, and Jarvis (combined area, 3), Johnston Atoll (combined area, less than .5), Kingman Reef (less than .5), and other islands for which area figures are not available.

Source: U.S. Bureau of the Census, unpublished data.

NO. 340. WATER AREA, OTHER THAN INLAND WATER—STATES

[Includes only that portion of body of water under the jurisdiction of the United States, excluding Alaska and Hawaii. Excludes inland waters; see footnote 2, table 1. One square mile=2.59 square kilometers]

BODY OF WATER	AREA		BODY OF WATER	AREA	
	Sq. mi.	Sq. km.		Sq. mi.	Sq. km.
Total	74,364	192,803	Gulf of Mexico coastal water	3,837	9,936
Atlantic coastal water	2,298	5,952	Alabama	560	1,450
Florida.....	37	96	Florida.....	1,698	4,398
Georgia.....	48	124	Louisiana	1,016	2,631
Maine.....	1,102	2,854	Mississippi.....	556	1,440
Massachusetts.....	959	2,484	Texas	7	18
Rhode Island	14	36	Lake Michigan.....	22,178	57,441
South Carolina.....	138	357	Illinois.....	1,526	3,952
Chesapeake Bay.....	3,237	8,384	Indiana.....	228	591
Maryland.....	1,726	4,470	Michigan.....	13,037	33,766
Virginia.....	1,511	3,913	Wisconsin.....	7,387	19,132
Delaware Bay	665	1,722	New York Harbor	92	236
Delaware	350	907	New Jersey.....	89	179
New Jersey.....	315	816	New York	23	80
Lake Erie.....	5,002	12,955	Lake Ontario: New York	3,033	7,855
Michigan	216	559	Pacific coastal water	343	888
New York	594	1,536	California	69	179
Ohio	3,457	8,954	Oregon.....	48	124
Pennsylvania.....	735	1,904	Washington.....	226	585
Straits of Georgia and Juan de Fuca:			Puget Sound: Washington	581	1,453
Washington.....	1,610	4,170	Lake St. Clair: Michigan.....	116	300
Lake Huron: Michigan.....	8,975	23,245	Lake Superior	21,118	54,696
Long Island Sound.....	1,298	3,384	Michigan.....	16,231	42,036
Connecticut.....	573	1,484	Minnesota.....	2,212	5,729
New York	726	1,880	Wisconsin.....	2,675	6,926

Source: U.S. Bureau of the Census, *Areas of the United States: 1940*.

No. 341. EXTREME AND MEAN ELEVATIONS—STATES AND OTHER AREAS

[One foot = .305 meter]

STATE OR OTHER AREA	HIGHEST POINT			LOWEST POINT			APPROXIMATE MEAN ELEVATION	
	Name	Elevation		Name	Elevation			
		Feet	Meters		Feet	Meters		
U.S.	Mt. McKinley (Alaska)	20,320	6,198	Death Valley (Calif.)	-282	-86	2,800	769
Ala.	Cheaha Mountain	2,407	734	Gulf of Mexico	(?)	(?)	500	159
Alaska	Mount McKinley	20,320	6,198	Pacific Ocean	(?)	(?)	1,900	580
Ariz.	Humphreys Peak	12,833	3,853	Colorado River	70	21	4,100	1,251
Ark.	Magazine Mountain	2,753	840	Ouechtsa River	66	17	660	198
Calif.	Mount Whitney	14,494	4,421	Death Valley	-282	-86	2,900	885
Colo.	Mt. Elbert	14,433	4,402	Arkansas River ²	3,350	1,022	6,800	2,074
Conn.	Mt. Frisell, on South slope	2,360	726	Long Island Sound	(?)	(?)	500	153
Del.	Ebright Road, New Castle Co.	442	135	Atlantic Ocean	(?)	(?)	60	18
D.C.	Tenleytown	410	125	Potomac River	1	(2)	150	46
Fla.	Sec. 30, T8N, R20W, Walton County ¹	345	105	Atlantic Ocean	(?)	(?)	100	31
Ga.	Brasstown Bald	4,764	1,450	Atlantic Ocean	(?)	(?)	600	183
Hawaii	Mauna Kea	13,796	4,200	Pacific Ocean	(?)	(?)	3,090	924
Idaho	Borah Peak	12,662	3,862	S Snake River	710	217	5,000	1,525
Ill.	Charles Mound	1,235	377	Mississippi River	279	85	600	183
Ind.	Franklin Twp., Wayne Co.	1,257	383	Ohio River	320	98	700	214
Iowa	Sec. 29, T100N, R41W, Osceola County ²	1,670	509	Mississippi River	480	146	1,100	336
Kans.	Mount Sunflower	4,036	1,232	Vardigris River	660	207	2,000	610
Ky.	Black Mountain	4,145	1,264	Mississippi River	257	78	750	229
La.	Driskill Mountain	535	163	New Orleans	5	-2	100	31
Maine	Mount Katahdin	6,266	1,907	Atlantic Ocean	(?)	(?)	600	183
Md.	Backbone Mountain near Kempton, W. Va.	3,360	1,025	Atlantic Ocean	(?)	(?)	350	107
Mass.	Mount Graylock	3,491	1,065	Atlantic Ocean	(?)	(?)	500	153
Mich.	Mount Curwood	1,980	604	Lake Erie	572	174	900	275
Minn.	Eagle Mountain, Cook Co.	2,901	702	Lake Superior	602	184	1,200	366
Miss.	Woodall Mountain, near Iuka	806	245	Gulf of Mexico	(?)	(?)	300	92
Mo.	Taum Sauk Mountain	1,772	540	St. Francis River	230	70	800	244
Mont.	Granite Peak	12,799	3,904	Kootenai River	1,800	549	3,400	1,037
Nebr.	Johnson Twp., Kimball Co., T12N, R59W ²	5,426	1,655	Southeast corner of State	840	256	2,600	793
Nev.	Boundary Peak	13,143	4,009	Colorado River	470	143	5,500	1,678
N.H.	Mount Washington	6,266	1,919	Atlantic Ocean	(?)	(?)	1,000	305
N.J.	High Point	1,803	550	Atlantic Ocean	(?)	(?)	250	76
N. Mex.	Wheeler Peak	13,161	4,014	Red Bluff Reservoir	2,617	809	5,700	1,739
N.Y.	Mount Marcy	5,344	1,630	Atlantic Ocean	(?)	(?)	1,000	305
N.C.	Mount Mitchell	6,684	2,039	Atlantic Ocean	(?)	(?)	700	214
N. Dak.	White Butte, Slope Co.	3,506	1,069	Red River	750	229	1,900	580
Ohio	Campbell Hill	1,550	473	Ohio River	433	132	850	259
Okla.	Black Mesa	4,973	1,517	Little River	267	81	1,300	397
Oreg.	Mount Hood	11,239	3,429	Pacific Ocean	(?)	(?)	3,300	1,007
Pa.	Mount Davis	3,213	980	Delaware River	(?)	(?)	1,100	336
R.I.	Jerimoth Hill	812	248	Atlantic Ocean	(?)	(?)	200	61
S.C.	Sassafras Mountain	3,560	1,086	Atlantic Ocean	(?)	(?)	350	107
S. Dak.	Harney Peak	7,242	2,209	Big Stone Lake	962	293	2,200	671
Tenn.	Clingmans Dome	6,643	2,026	Mississippi River	182	56	900	275
Tex.	Guadalupe Peak	8,749	2,668	Gulf of Mexico	(?)	(?)	1,700	518
Utah	Kings Peak	13,526	4,126	Beaverdam Creek	2,000	610	6,100	1,861
Vt.	Mount Mansfield	4,393	1,340	Lake Champlain	85	26	1,000	305
Vir.	Mount Rogers	6,729	2,047	Atlantic Ocean	(?)	(?)	650	198
Wash.	Mount Rainier	14,410	4,396	Pacific Ocean	(?)	(?)	1,700	518
W. Va.	Spruce Knob	4,863	1,483	Potomac River	240	73	1,500	458
Wis.	Timme Hill	1,961	598	Lake Michigan	581	177	1,050	320
Wyo.	Gannett Peak	13,804	4,210	Belle Fourche River	3,100	945	6,700	2,044
Other areas:								
P. Rico	Cerro de Punta	4,389	1,339	Atlantic Ocean	(?)	(?)	1,800	549
Am. Samoa	Lata Mountain	3,160	964	Pacific Ocean	(?)	(?)	1,300	397
C. Zone	Cerro Galera	1,205	368	Atlantic Ocean	(?)	(?)	280	86
Guam	Mount Lamlam	1,329	406	Pacific Ocean	(?)	(?)	330	101
Virgin Is.	Green Mountain	1,555	475	Atlantic Ocean	(?)	(?)	750	229

Z Less than .5 meter. ¹Sea level. ²"Sec." denotes section; "T," township; "R," range; "N," north; "W," west.
Source: U.S. Geological Survey, *Elevations and Distances in the United States*, 1960.

No. 342. COASTLINE OF THE UNITED STATES, BY STATES

[One mile = 1.609 kilometers]

STATE	GENERAL COASTLINE ¹		TIDAL SHORELINE ²		STATE	GENERAL COASTLINE ¹		TIDAL SHORELINE ²	
	Statute miles	Kilo-meters	Statute miles	Kilo-meters		Statute miles	Kilo-meters	Statute miles	Kilo-meters
U.S.	12,383	19,834	88,633	142,610	Gulf coast.....	1,631	2,624	17,141	27,580
Atlantic coast.....	3,329	3,329	28,673	46,135	Alabama.....	53	85	607	977
Connecticut.....	-	-	618	984	Florida.....	770	1,239	5,095	8,198
Delaware.....	28	45	381	613	Louisiana.....	397	639	7,721	12,423
Florida.....	580	933	3,331	5,360	Mississippi.....	44	71	359	578
Georgia.....	100	181	2,344	3,771	Texas.....	387	591	3,359	5,405
Maine.....	228	367	3,478	5,598	Pacific coast.....	7,623	12,265	40,298	64,839
Maryland.....	31	50	3,180	5,133	Alaska.....	5,580	8,978	31,383	50,495
Massachusetts.....	192	309	1,519	2,444	California.....	840	1,352	3,427	5,514
New Hampshire.....	13	21	131	211	Hawaii.....	750	1,207	1,052	1,683
New Jersey.....	130	209	1,792	2,883	Oregon.....	296	476	1,410	2,269
New York.....	127	204	1,350	2,977	Washington.....	157	253	3,026	4,869
North Carolina.....	301	484	3,375	5,430	Arctic coast, Alaska.....	1,080	1,706	2,521	4,066
Pennsylvania.....	-	-	89	143					
Rhode Island.....	40	84	384	618					
South Carolina.....	187	301	2,876	4,627					
Virginia.....	112	180	3,315	5,334					

- Represents zero. ¹Figures are lengths of general outline of seacoast. Measurements were made with a unit measure of 30 minutes of latitude on charts as near the scale of 1:1,200,000 as possible. Coastline of sounds and bays is included to a point where they narrow to width of unit measure, and includes the distance across at such point. ²Figures obtained in 1939-1940 with a recording instrument on the largest-scale charts and maps then available. Shoreline of outer coast, offshore islands, sounds, bays, rivers, and creeks is included to the head of tidewater or to a point where tidal waters narrow to a width of 100 feet.

Source: U.S. National Oceanic and Atmospheric Administration, *The Coastline of the United States*, 1975.

No. 343. LENGTHS OF PRINCIPAL RIVERS

[Comprises rivers 600 miles or more in length. Length represents distance to designated outflow from (a) original headwater of named river where name applies to entire length of channel, or (b) upper limit of channel so named, usually the junction of 2 tributaries or headwater streams. One mile=1.609 kilometers]

RIVER/OUTFLOW	LENGTH		RIVER/OUTFLOW	LENGTH	
	Miles	Kilo-meters		Miles	Kilo-meters
Arkansas/Mississippi River.....	1,450	2,333	Missouri-Red Rock/Mississippi River.....	2,564	4,125
Brazos/Gulf of Mexico.....	1,309	2,108	Mobile-Alabama-Coosa/Mobile Bay.....	639	1,028
Canadian/Arkansas River.....	906	1,458	North Canadian/Canadian River.....	784	1,261
Cimarron/Arkansas River.....	668	1,123	North Platte/Platte River.....	680	1,094
Colorado (U.S.-Mex.)/Gulf of California.....	1,450	2,333	Ohio/Mississippi River.....	981	1,578
Colorado (Texas)/Matagorda Bay.....	894	1,438	Ohio-Allegheny/Mississippi River.....	1,306	2,101
Columbia/Pacific Ocean.....	1,214	1,953	Ouachita/Red River.....	605	973
Columbia, Upper/to mouth of Snake River.....	890	1,432	Pecos/Rio Grande.....	926	1,490
Cumberland/Ohio River.....	687	1,105	Red (Okla.-Tex.-La.)/Mississippi River.....	1,222	1,988
Gila/Colorado River.....	630	1,014	Rio Grande/Gulf of Mexico.....	1,885	3,033
Green (Utah-Wyo.)/Colorado River.....	730	1,175	St. Lawrence/Lake Ontario.....	600	1,287
James (N.Dak.-S.Dak.)/Missouri River.....	710	1,142	Snake/Columbia River.....	1,000	1,609
Kuskokwim/Kuskokwim Bay.....	800	1,287	Tanana/Yukon River.....	600	1,287
Miss/Missouri River.....	625	1,006	Tennessee/Ohio River.....	652	1,049
Mississippi/Mouth of SW Pass.....	2,348	3,778	Tennessee-French Broad/Ohio River.....	889	1,398
Mississippi, Upper/to mouth of Missouri River.....	1,171	1,894	Trinity/Trinity Bay.....	715	1,150
Mississippi-Missouri-Red Rock/mouth of SW Pass.....	3,741	6,019	Washita/Red River.....	628	1,007
Missouri/Mississippi River.....	2,315	3,726	White (Ark.-Mo.)/Mississippi River.....	685	1,102
			Yellowstone/Missouri River.....	671	1,080
			Yukon/Bering Sea.....	1,875	3,017

Source: U.S. Corps of Engineers, unpublished data.

No. 344. U.S. WATER WITHDRAWALS AND CONSUMPTION PER DAY BY END-USE: 1940 TO 1980

[Includes Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, Series J 92-103]

YEAR	Total (bil. gal.)	Per capita ¹ (gal.)	Irriga- tion (bil. gal.)	PUBLIC WATER UTILITIES ²		Rural domes- tic ³ (bil. gal.)	Indus- trial and misc. ⁴ (bil. gal.)	Steam electric utilities (bil. gal.)
				Total (bil. gal.)	Per capita ¹ (gal.)			
WITHDRAWALS								
1940	136	1,027	71	10	75	3.1	29	23
1950	200	1,317	110	14	92	3.6	37	40
1955	240	1,454	110	17	103	3.6	39	72
1960	270	1,500	110	21	117	3.6	38	100
1965	310	1,602	120	24	124	4.0	46	130
1970	370	1,815	130	27	132	4.5	47	170
1975	420	1,972	140	29	136	4.9	44	190
1980	450	1,953	151	34	150	5.6	45	220
CONSUMPTION								
1960	61	339	52	3.5	19	2.8	3.0	.2
1965	78	403	66	5.2	27	3.2	3.4	.4
1970	87	427	73	5.9	29	3.4	4.1	.8
1975	96	451	80	6.7	31	3.4	4.2	1.9
1980	100	440	83	7.1	31	4.0	5.0	3.3

¹Based on Bureau of the Census resident population as of July 1. ²Includes domestic central and commercial water withdrawals. ³Rural farm and nonfarm household and garden use, and water for farm stock and dairies. ⁴For 1940-1960, includes manufacturing and mineral industries, rural commercial industries, air conditioning, resorts, hotels, motels, military and other State and Federal agencies, and miscellaneous; thereafter, includes manufacturing, mining and mineral processing, ordnance, construction, and miscellaneous.

Source: U.S. Bureau of Domestic Business Development, 1940-1960 based principally on committee prints, *Water Resources Activities in the United States*, for the Senate Committee on National Water Resources, U.S. Senate, 1960; U.S. Geological Survey, *Estimated Use of Water in the United States in 1960*, forthcoming, and previous quinquennial issues.

No. 345. WATER WITHDRAWN PER DAY—STATES AND PUERTO RICO: 1980

[Figures may not add due to rounding. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water; excludes water used for hydroelectric power]

STATE	WATER WITHDRAWN					Fresh water con- sumed ² (mil. gal.)	STATE OR OTHER AREA	WATER WITHDRAWN					Fresh water con- sumed ² (mil. gal.)
	Per cap- ita ¹ (gal.)	Total (bil. gal.)	Sur- face (bil. gal.)	Public sup- plies (bil. gal.)	Irriga- tion (bil. gal.)			Per capita ¹ (gal.)	Total (bil. gal.)	Sur- face (bil. gal.)	Public sup- plies (bil. gal.)	Irriga- tion (bil. gal.)	
Total.....	1,953	450.0	380	34.0	150.0	100,080							
Ala.....	2,824	11.0	10	.6	(z)	570	Mo.....	1,401	6.9	6	.7	.1	670
Alaska.....	546	.2	(z)	.1	-	35	Mont.....	13,959	11.0	11	.1	11.0	2,700
Ariz.....	2,929	8.0	4	.6	7.1	4,500	Nebr.....	7,634	12.0	5	.3	9.3	7,800
Ark.....	6,980	16.0	12	.3	5.1	3,600	Nev.....	4,461	3.6	3	.2	3.1	1,700
Calif.....	2,272	54.0	33	4.1	37.0	25,000	N.H.....	1,083	1.0	1	.1	(z)	17
Colo.....	5,512	16.0	13	.6	14.0	4,000	N.J.....	1,356	10.0	10	1.1	.1	360
Conn.....	1,168	3.7	4	.4	(z)	160	N. Mex.....	2,989	3.9	2	.2	3.0	1,900
Del.....	2,013	1.2	1	.1	(z)	11	N.Y.....	967	17.0	16	2.2	(z)	590
D.C.....	534	.3	(z)	.2	-	23	N.C.....	1,376	8.1	7	.6	.1	760
Fla.....	2,127	21.0	17	1.4	3.0	2,400	N. Dak.....	1,988	1.3	1	.1	.3	330
Ga.....	1,259	6.9	6	.8	.6	1,000	Ohio.....	1,298	14.0	13	1.4	(z)	550
Hawaii.....	2,546	2.5	2	.2	1.0	680	Okla.....	582	1.8	1	.3	.9	1,000
							Oreg.....	2,576	6.8	6	.2	5.9	3,200
Idaho.....	19,007	18.0	12	.2	10.0	5,900	Pa.....	1,347	16.0	15	1.5	.2	920
Ill.....	1,574	16.0	17	1.8	.1	580	R.I.....	527	.5	1	.1	(z)	15
Ind.....	2,551	14.0	13	.6	.2	890	S.C.....	1,983	6.2	6	.4	.1	280
Iowa.....	1,476	4.3	4	.3	.1	290	S.D.....	1,000	.7	(z)	.1	.5	480
Kans.....	2,788	6.6	1	.3	5.0	4,700	Tenn.....	2,176	10.0	10	.5	(z)	270
Ky.....	1,311	4.8	5	.4	(z)	290	Tex.....	1,466	21.0	13	3.8	8.4	10,000
La.....	3,079	13.0	11	.6	2.2	3,500	Utah.....	3,125	4.6	4	.8	3.2	2,900
Maine.....	1,421	1.6	2	.1	(z)	53	Vt.....	664	.3	(z)	(z)	(z)	41
Md.....	1,822	7.7	6	.5	(z)	100	Va.....	1,809	9.7	9	.5	(z)	230
Mass.....	1,027	5.9	6	.8	(z)	90	Wash.....	2,001	8.3	8	.8	8.4	2,900
Mich.....	1,621	15.0	14	1.3	.2	480	W. Va.....	2,872	5.6	5	.2	(z)	200
Minn.....	759	3.1	2	.4	.2	450	Wis.....	1,227	5.8	5	.6	.1	310
Miss.....	1,367	3.5	2	.3	1.0	710	Wyo.....	11,368	5.4	5	.1	4.9	2,600
							P. Rico ³	980	3.2	3	.4	.3	300

- Represents zero. Z Less than 500 million. ¹Based on population as of July 1. ²Evaporated, transpired, or incorporated into products; excludes irrigation conveyance losses by evapotranspiration. ³Includes Virgin Islands.

Source: U.S. Geological Survey, *Estimated Use of Water in the United States in 1980*, forthcoming.

NO. 346. NATIONAL AMBIENT WATER QUALITY IN RIVERS AND STREAMS—VIOLATION RATE: 1975 TO 1980

[In percent. Violation level based on U.S. Environmental Protection Agency water quality criteria. Violation rate represents the proportion of all measurements of a specific water quality pollutant which exceeds the "violation level" for that pollutant. "Violation" does not necessarily imply a legal violation. Data based on U.S. Geological Survey's National Stream Quality Accounting Network (NASQAN) data system; for details, see source. Years refer to water years. A water year begins in Oct. and ends in Sept. μg —micrograms, mg—milligrams. For metric conversions, see p. xi]

POLLUTANT	VIOLATION LEVEL	1975	1976	1977	1978	1979	1980
Fecal coliform bacteria.....	Above 200 cells per 100 ml.....	36	32	34	35	34	31
Dissolved oxygen.....	Below 5 mg per liter.....	5	6	11	5	4	5
Phosphorus.....	Above 1 mg per liter.....	47	47	48	48	47	48
Lead.....	Above 50 μg per liter.....	42	38	41	27	27	15
Cadmium.....	Above 10 μg per liter.....	17	12	13	6	7	2

¹Value shown may be higher than the true violation level because of the detection limits of measuring equipment. Source: U.S. Council on Environmental Quality, *Environmental Quality*, 1980, and unpublished data.

NO. 347. POPULATION SERVED BY SEWER SYSTEMS, BY DEGREE OF TREATMENT: 1960 TO 1980

[In millions, except percent. 1960 and 1970 not strictly comparable with later years]

ITEM	1960	1970	1978	1980	ITEM	1960	1970	1978	1980
U.S. population.....	180	203	220	224	Degree of treatment:				
Not served by sewers.....	70	58	58	55	Primary.....				
Percent of population.....	39	29	30	29	Advanced primary.....	38	(NA)	21	41
Served by sewers.....	110	145	154	159	Secondary.....				
Not treated.....	70	58	2	2	Advanced secondary.....	4	(NA)	58	63
Treated.....	40	86	152	157	Tertiary.....			19	15

NA Not available. ¹Decrease in 1980 due to some tertiary plants being downgraded into other classifications of treatment.

Source: 1960 and 1970, U.S. Dept. of Commerce, "Market for Water and Waste Water Treatment Equipment," *Journal, Water Pollution Control Federation*, April 1979; 1978 and 1980 U.S. Environmental Protection Agency, *Needs Survey, Conveyance and Treatment of Municipal Wastewater, Summaries of Technical Data*, biennial.

NO. 348. POLLUTING DISCHARGES REPORTED IN U.S. WATERS: 1972 TO 1980

ITEM	Incidents	Gallons (1,000)	ITEM	Incidents	Gallons (1,000)	ITEM	Incidents	Gallons (1,000)
1972, discharges.....	9,931	18,806	1980—Con.			1980—Con.		
1973, discharges.....	13,328	24,315	Nontransport facilities.....	1,694	3,385	Type of pollutant:		
1974, discharges.....	13,969	18,818	Onshore.....	126	121	Crude oil.....	1,171	4,774
1975, discharges.....	12,057	14,857	Offshore.....	559	120	Diesel oil.....	2,260	1,447
1976, discharges.....	12,655	33,852	Other.....	1,107	3,144	Other oil.....	2,821	2,843
1977, discharges.....	12,844	19,900	Pipeline.....	553	3,026	Other or unknown.....	1,061	4,922
1978, discharges.....	14,495	17,257	Marine facilities.....	656	1,183	Location:		
1979, discharges.....	13,134	13,861	Onshore/offshore.....	506	1,154	Atlantic Coast.....	2,578	5,601
1980, discharges.....	11,155	16,989	Land vehicles.....	411	432	Gulf Coast.....	2,709	1,026
Vessel.....	3,370	6,328	Land facilities.....	155	132	Pacific Coast.....	1,590	1,259
Tanker.....	584	1,526	Other or unknown.....	4,116	609	Great Lakes.....	552	591
Tank barge.....	909	4,506				Inland.....	3,705	6,857
Other.....	1,867	295						

Source: U.S. Coast Guard, *Polluting Incidents in and Around U.S. Waters*, 1980.

NO. 349. NATIONAL AMBIENT AIR POLLUTANT CONCENTRATIONS: 1974 TO 1980

[Data represent annual composite averages of pollutant based on daily 24-hour averages of monitoring stations. $\mu\text{g}/\text{M}^3$ —micrograms of pollutant per cubic meter of air; mg/M^3 —milligrams of pollutant per cubic meter of air]

POLLUTANT	Unit	Monitoring stations, number	Annual standard	1974	1975	1976	1977	1978	1979	1980
Carbon monoxide.....	mg/M^3	91	(¹)	15.1	14.7	13.8	12.2	11.7	10.8	10.1
Photochemical oxidants ²	$\mu\text{g}/\text{M}^3$	122	(¹)	151	151	154	148	149	136	139
Sulfur dioxide.....	$\mu\text{g}/\text{M}^3$	84	80	40.7	38.0	38.4	34.9	32.9	32.4	30.8
Total suspended particulates.....	$\mu\text{g}/\text{M}^3$	1,925	75	61	59	60	60	60	59	61
Nitrogen dioxide.....	$\mu\text{g}/\text{M}^3$	338	100	43.8	42.5	43.9	45.4	48.8	49.3	46.3
INDEX										
Carbon monoxide.....		91	(¹)	100	97	91	81	77	70	67
Photochemical oxidants ²		122	(²)	100	100	102	99	99	90	91
Sulfur dioxide.....		84	80	100	93	89	86	81	80	78
Total suspended particulates.....		1,925	75	100	97	96	98	98	97	100
Nitrogen dioxide.....		338	100	100	97	100	104	111	113	106

¹Hour standard of 10 mg/M^3

²Ozone.

³Based on 1-hour standard of 12 parts per million.

Environmental Protection Agency, 1980 Ambient Assessment—Air Portion.

No. 350. NATIONAL AIR POLLUTANT EMISSIONS: 1970 TO 1980

[In millions of metric tons. Metric ton = 1,023 short tons]

POLLUTANT	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Carbon monoxide.....	110.9	110.6	109.7	107.4	102.5	98.1	100.4	97.9	96.7	92.6	86.4
Sulfur oxides.....	27.9	26.5	27.3	26.4	27.0	25.6	26.4	26.4	24.8	25.3	23.7
Volatile organic compounds.....	27.1	26.4	26.7	26.2	23.8	22.8	23.7	23.8	24.4	23.4	21.8
Particulates ¹	17.6	16.4	14.9	13.9	12.1	10.1	8.4	8.5	8.6	8.5	7.8
Nitrogen oxides.....	18.5	19.0	20.1	20.4	20.1	19.6	20.9	21.9	21.5	21.5	20.7

¹ Suspended particulate matter: Particles of smoke, dust, and fumes and droplets of viscous liquid remaining in the air for varying periods of time and ranging from less than 1 micron (1/25,000 inch) to 100 microns.

Source: U.S. Environmental Protection Agency, *National Air Pollutant Emission Estimates 1940-1980*.

No. 351. AIR POLLUTANT EMISSIONS, BY POLLUTANT AND SOURCE: 1970 AND 1980

[In millions of metric tons, except percent. Metric ton = 1,023 short tons]

YEAR AND POLLUTANT	Total emissions	CONTROLLABLE EMISSIONS						Misc. un- control- lable	PERCENT OF TOTAL		
		Transportation		Fuel combustion ¹		Industrial processes	Solid waste disposal		Transportation	Fuel combustion ¹	Industrial
		Train	Road vehicles	Total	Electric utilities						
1970: Carbon monoxide	110.9	86.8	77.3	1.9	.2	9.0	6.4	FD	78.1	1.7	6.1
Sulfur oxides	27.9	.8	.3	20.8	15.6	6.4	(2)	1	2.2	74.8	22.9
Hydrocarbons	27.1	12.1	10.7	.2	(2)	9.8	1.8	3.2	44.6	.7	38.2
Particulates ²	17.6	1.2	.9	4.1	2.4	10.1	1.1	1.1	6.8	23.3	67.4
Nitrogen oxides	18.5	7.5	5.6	9.5	5.0	.8	.4	.3	40.5	51.4	4.3
1980: Carbon monoxide	86.4	89.1	61.9	2.1	.3	5.8	2.2	6.2	60.9	2.5	6.8
Sulfur oxides	23.7	.9	.4	19.0	15.9	3.8	(2)	(2)	3.8	60.2	16.0
Hydrocarbons	21.8	7.8	6.4	.2	(2)	10.8	.8	2.4	35.8	.8	49.5
Particulates ²	7.8	1.4	1.1	1.4	.8	3.7	.4	.8	17.8	17.8	47.4
Nitrogen oxides	20.7	8.1	6.6	10.6	6.7	.7	.1	.2	44.0	51.2	3.4

- Represents zero. 2 Less than 50,000 metric tons. ¹ Stationary. ² See footnote 1, table 350.

Source: U.S. Environmental Protection Agency, *National Air Pollutant Emission Estimates, 1940-80*.

No. 352. AIR QUALITY—DAYS BY LEVEL OF PSI FOR SELECTED SMSA'S: 1978 TO 1980

PSI is a highly summarized health-related index based on the following criteria pollutants—carbon monoxide (CO), sulfur dioxide (SO₂), total suspended particulates (TSP), photochemical oxidants or ozone (O₃), and nitrogen dioxide (NO₂). The PSI for one day will rise above 100 when any one of the 5 criteria pollutants (at only one station in an SMSA) reaches a level judged to have adverse short-term effects on human health. Depending on the pollutant, the time to exceed the standard varies from 1 to 24 hours. The health effect labels for PSI intervals are good or moderate for 0-99; unhealthy for 100-199; very unhealthy for 200-300; and hazardous for more than 300. For SMSA explanation, see Appendix B.]

STANDARD METROPOLITAN STATISTICAL AREA	NUMBER OF DAYS ACCORDING TO POLLUTANT STANDARDS INDEX (PSI)											
	1978				1979				1980			
	0-99	100-199	200-300	More than 300	0-99	100-199	200-300	More than 300	0-99	100-199	200-300	More than 300
Los Angeles, Calif.....	140	121	101	3	117	126	112	10	145	100	110	2
Riverside-San Bernardino-Ontario, Calif.....	220	77	67	1	158	102	103	3	195	78	92	1
New York, N.Y.-N.J.....	191	160	14	-	252	110	3	-	235	129	2	-
Houston, Tex.....	271	70	24	-	247	94	23	1	285	80	21	-
Denver, Colo.....	192	133	39	1	237	67	37	4	277	62	23	4
Washington, D.C.-Md.-Va.....	295	67	3	-	318	44	3	-	287	67	2	-
Philadelphia, Pa.-N.J.....	284	71	10	-	286	75	4	-	303	58	4	-
Louisville, Ky.-Ind.....	271	86	8	-	307	56	2	-	307	66	3	-
St. Louis, Mo.-Ill.....	246	94	16	7	273	67	21	-	311	49	6	-
Portland, Oreg.-Wash.....	290	73	2	-	310	38	12	5	311	42	10	4
Salt Lake City, Utah.....	294	51	20	-	317	33	14	1	312	36	18	-
Chicago, Ill.....	215	119	28	3	283	74	6	-	318	45	3	-
Kansas City, Mo.-Kans.....	309	47	9	-	(NA)	(NA)	(NA)	(NA)	329	36	1	-
Seattle-Everett, Wash.....	303	60	2	-	305	54	6	-	333	33	-	-
Cincinnati, Ohio-Ky.-Ind.....	336	29	1	-	336	26	3	-	341	25	-	-
Sacramento, Calif.....	338	25	2	-	346	19	-	-	345	19	2	-
Buffalo, N.Y.....	342	20	3	-	(NA)	(NA)	(NA)	(NA)	348	12	6	-
Milwaukee, Wis.....	331	31	9	-	332	32	1	-	350	14	2	-
San Francisco, Calif.....	343	21	1	-	342	23	-	-	358	6	-	-
Tampa-St. Petersburg, Fla.....	353	10	2	-	367	8	2	-	361	5	-	-
Syracuse, N.Y.....	353	12	-	-	361	4	-	-	362	1	3	-
Rochester, N.Y.....	359	6	-	-	359	6	-	-	383	3	-	-
San Diego, Calif.....	324	32	6	-	256	98	10	-	(NA)	(NA)	(NA)	(NA)

- Represents zero. NA Not available.

Source: U.S. Council on Environmental Quality, *Environmental Quality, 1980*.

No. 353. NATIONAL AIR POLLUTANT EMISSIONS, BY POLLUTANT AND EMISSIONS SOURCE: 1979

[In thousands of tons. Based on data collected in the National Emissions Data System (NEDS) on emissions sources. Point source data, which come from state air pollution control agencies, represent stationary facilities that are emitters of relatively large quantities (100 tons or more annually) of one or more air contaminants. Area sources are all sources not identified as point sources such as motor vehicles, aircraft, railroads, small stationary sources, forest fires, etc. Data will not agree with those shown in tables 350 and 351 due to different methodology employed]

EMISSIONS SOURCE	Par- ticu- lates	Sulfur ox- ides	Nitro- gen ox- ides	Hydro- car- bons	Carbon monox- ide	EMISSIONS SOURCE	Par- ticu- lates	Sulfur ox- ides	Nitro- gen ox- ides	Hydro- car- bons	Carbon monox- ide
Total	44,011	30,634	24,511	26,986	103,416	Solid waste disposal	505	59	124	779	2,634
Area sources	37,589	2,315	12,946	20,903	93,482	Area sources	403	20	81	666	2,130
Point sources	6,422	26,320	11,566	6,083	9,933	Point sources	102	39	43	83	504
Fuel combustion	3,102	24,039	13,540	1,275	2,308	Residential (area) ..	367	11	67	685	2,054
Area sources	373	1,381	2,910	825	1,408	Transport. (area)	6,155	908	9,767	9,925	83,865
Point sources	2,729	22,658	10,630	450	900	Land vehicles	6,050	660	9,473	9,238	81,534
External combustion	3,064	23,952	12,431	1,051	2,126	Aircraft	65	14	115	207	891
Residential	182	231	346	80	1,077	Vessels	40	234	178	480	1,439
Electric generation	1,737	19,019	7,466	106	374	Other (area) ¹	30,658	6	187	9,457	6,080
Industrial	1,043	4,033	4,163	866	614	Forest wildfires	359	3	84	507	2,956
Commercial/Institutional	122	668	435	19	61	Solvent ²	-	-	-	7,362	-
Industrial process (point) ¹	3,590	5,623	894	5,551	8,529	Gasoline station ³ ..	-	-	-	1,072	-
Chemical mfg.	264	986	133	1,168	2,646	Unpaved roads	29,729	-	-	-	-
Primary metal	523	2,790	76	157	2,786						
Petroleum ind.	107	658	368	572	1,626						

- Represents zero. ¹ Includes items not shown separately. ² Evaporation loss.
Source: U.S. Environmental Protection Agency, 1979 National Emissions Report of the National Emissions Data System—EPA-450/4-81-079, unpublished.

No. 354. AIR AND WATER POLLUTION ABATEMENT BY MANUFACTURERS: 1979

[In thousands of short tons. Based on probability sample of about 20,000 manufacturing establishments. Excludes apparel and other textile, and establishments with less than 20 employees]

INDUSTRY GROUP	QUANTITY OF AIR POLLUTANTS REMOVED				QUANTITY OF WATER POLLUTANTS REMOVED			
	Particu- lates	Sulfur oxides	Nitrogen oxides, hydro- carbons, carbon monox- ide	Heavy metals, radio- active and toxic sub- stances ¹	Sus- pended solids	Bio- chemical oxygen demand	Chem- ical oxygen de- mand	Oil and grease toxic sub- stances ¹
All Industries ²	40,422.2	9,037.5	13,577.2	1,408.4	17,077.9	4,756.1	5,580.0	6,440.4
Food	1,121.6	82.3	250.2	12.9	2,244.7	803.4	982.2	375.6
Lumber and wood	1,578.6	8.1	5.3	3.8	162.3	169.0	64.3	8.8
Paper	5,868.4	533.2	145.0	143.0	2,841.9	1,752.2	1,576.9	244.3
Chemicals	4,365.6	1,059.5	2,209.5	538.9	4,452.9	1,279.3	1,735.2	4,042.5
Petroleum	1,165.1	4,159.0	9,096.5	16.6	695.5	464.6	831.0	1,080.1
Stone, clay, glass	16,094.8	140.9	24.2	47.2	760.6	39.2	44.3	199.3
Primary metal	8,829.6	2,936.6	1,532.0	669.1	4,766.3	18.1	84.9	838.4
Electric equipment	203.8	12.7	42.4	18.8	201.7	66.4	2.6	405.6
Transportation equipment	484.6	42.5	49.4	114.7	594.5	24.6	12.6	217.9

¹ Includes other pollutants. ² Includes industries not shown separately.

No. 355. SOLID WASTE DISPOSAL, BY SELECTED MANUFACTURING INDUSTRIES: 1974 TO 1980

[In millions of short tons. Excludes recovered materials. Data include both wet and dry weight figures. Excludes apparel and other textile, and establishments with less than 20 employees]

INDUSTRY GROUP	1974	1975	1976	1977	1978	1978	1980
All Industries	133.325	139.051	156.826	159.954	160.763	163.678	149.87
Food	11.501	12.841	14.965	13.068	13.392	13.971	14.410
Lumber and wood	6.667	8.143	9.328	6.311	6.662	6.506	5.893
Paper	8.837	9.123	10.146	10.648	10.947	13.253	12.251
Chemicals	38.155	38.696	50.282	55.719	48.803	45.407	43.431
Petroleum	2.388	2.039	2.592	2.873	3.585	3.075	4.873
Stone, clay, glass	9.337	11.345	11.066	12.617	12.742	14.143	13.336
Primary metal	40.600	42.708	42.353	41.742	48.066	47.783	37.52
Electric equipment	1.534	1.500	1.500	1.495	1.777	2.319	2.148
Transportation equipment	4.207	3.785	4.284	4.749	5.242	4.253	4.166

Source of tables 344 and 345: U.S. Bureau of the Census, Current Industrial Reports, series MA-200, annual.

NO. 356. SOLID WASTE GENERATION, RECOVERY, AND DISPOSAL: 1960 TO 1978

[In millions of tons, except as indicated. Covers post-consumer residential and commercial solid wastes which comprise the major portion of typical municipal collections. Excludes mining, agricultural and industrial processing, demolition and construction wastes, sewage sludge, and junked autos and obsolete equipment wastes. Based on material-flows estimating procedure and wet weight as generated. NA Not available.]

ITEM AND MATERIAL	1960	1966	1970	1974	1976	1978	1977	1979
Gross waste generated.....	85.9	104.8	131.1	143.1	135.8	143.2	147.8	150.4
Per person per day (lb.).....	2.64	2.95	3.50	3.70	3.48	3.65	3.71	3.77
Net waste disposed of.....	60.8	66.4	123.4	132.6	126.7	132.6	134.9	136.0
Per person per day (lb.).....	2.46	2.78	3.29	3.43	3.25	3.36	3.41	3.46
Resources recovered.....	8.1	6.4	7.7	10.5	8.9	10.7	11.7	12.4
Per person per day (lb.).....	.18	.16	.21	.27	.23	.27	.20	.31
Percent of gross discard:								
Paper.....	18.8	15.8	16.0	16.3	15.5	16.1	19.8	20.1
Glass.....	1.4	1.2	1.3	2.5	2.7	2.7	3.4	3.3
Metal.....	.5	1.0	1.2	3.4	4.4	4.5	2.5	2.5
Aluminum.....	(NA)	(NA)	1.3	5.0	8.7	8.2	7.1	13.3
Rubber.....	5.7	12.5	8.2	6.1	6.9	3.9	3.4	3.3

Source: U.S. Environmental Protection Agency, unpublished data from Franklin Associates, Ltd., Prairie Village, Kans.

NO. 357. SYNTHETIC ORGANIC PESTICIDES—PRODUCTION AND SALES: 1960 TO 1980

[Includes a small quantity of soil conditioners. Minus sign (-) denotes decrease]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980
Production, total.....	MB. lb.	648	977	1,034	1,863	1,364	1,368	1,416	1,428	1,686
Herbicides.....	MB. lb.	102	289	404	766	658	674	664	657	606
Insecticides.....	MB. lb.	366	480	430	600	566	570	605	617	606
Fungicides.....	MB. lb.	179	124	160	165	142	143	147	155	156
Production value ¹	MB. dol.	307	577	1,056	2,800	2,680	3,116	3,342	3,665	4,269
Sales, total.....	MB. lb.	670	784	881	1,317	1,176	1,288	1,360	1,368	1,408
Sales value ¹	MB. dol.	292	497	670	2,369	2,410	2,806	3,041	3,631	4,078

¹ Manufacturers unit value multiplied by production.

Source: U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service, *The Pesticide Review*, 1979. Based on data from U.S. International Trade Commission, *Synthetic Organic Chemicals*, annual.

NO. 358. PESTICIDE RESIDUES IN HUMAN TISSUE—CONCENTRATION LEVELS: 1970 TO 1979

[In parts per million (ppm). Data based on a sample of measurements of pesticide residues and associated chemicals found in human tissue by medical pathologists from selected cities in the conterminous 48 states as part of the National Human Adipose Tissue Monitoring Program for Pesticides]

PESTICIDE RESIDUES	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
DDT.....	8.07	6.24	7.06	6.00	5.34	4.97	4.60	3.47	3.91	3.84
Dieldrin.....	.23	.26	.22	.22	.18	.17	.15	.12	.12	.11
Oxychlorodane.....	(NA)	.06	.14	.14	.14	.14	.14	.12	.13	.13
Heptachlor epoxide.....	.14	.11	.11	.11	.10	.11	.10	.09	.09	.10

NA Not available.

Source: U.S. Environmental Protection Agency, unpublished data.

NO. 359. THREATENED AND ENDANGERED WILDLIFE SPECIES—NUMBER: 1982

[As of Jan. 31. Endangered species: One in danger of becoming extinct throughout all or a significant part of its natural range. Threatened species: One likely to become endangered in the foreseeable future]

ITEM	Mammals	Birds	Reptiles	Amphibians	Fishes	Snails	Clams	Crustaceans	Insects	Plants
Endangered species: total.....	256	210	68	13	43	4	25	2	7	54
U.S. only.....	15	62	7	5	28	3	23	2	7	52
U.S. and foreign.....	17	14	8	-	4	-	-	-	-	2
Foreign only ¹	224	144	55	8	11	1	2	-	-	-
Threatened species: total.....	25	3	11	3	12	5	-	-	6	10
U.S. only.....	3	3	8	3	12	5	-	-	4	7
U.S. and foreign.....	-	-	4	-	-	-	-	-	2	1
Foreign only ¹	22	-	-	-	-	-	-	-	-	2

- Represents zero. ¹ Species outside U.S. and culling areas as determined by Fish and Wildlife Service.

Source: U.S. Fish and Wildlife Service, *Endangered Species Technical Bulletin*, Mar. 1982, vol. VII, No. 4.

**NO. 360. EXPENDITURES FOR POLLUTION ABATEMENT AND CONTROL IN CURRENT AND CONSTANT
(1972) DOLLARS, 1973 TO 1980, AND BY MEDIA, 1980**

(In millions of dollars, except percent. Excludes agricultural production of crops and livestock except feedlots)

TYPE	1973	1974	1975	1976	1977	1978	1979	Total ¹	1980, prel.		
									Air	Water	Solid waste
CURRENT DOLLARS											
Total expenditures.....	21,569	25,351	29,823	34,951	37,953	43,915	48,199	55,951	25,435	22,334	5,571
Percent Government of total.....	26.3	26.4	26.2	27.5	26.5	27.5	26.5	24.3	3.8	41.1	30.3
Pollution abatement.....	20,537	24,579	29,187	32,577	35,552	40,433	45,390	52,552	24,059	21,599	5,517
Personal consumption.....	2,055	2,557	3,489	3,594	4,511	4,549	5,475	7,020	7,020	-	-
Durable goods.....	570	680	1,351	1,821	2,169	2,412	2,741	3,543	3,543	-	-
Nondurable goods and services.....	1,395	1,977	2,102	2,173	2,145	2,237	2,734	3,378	3,378	-	-
Business.....	13,097	15,527	18,134	20,335	22,751	25,409	29,571	34,020	15,580	13,039	5,091
On capital account.....	5,755	7,439	8,532	9,469	10,101	10,809	12,039	13,065	7,103	5,149	833
On current account.....	6,351	8,091	9,502	10,866	12,650	14,599	17,531	20,955	8,487	7,890	5,199
Government.....	5,375	6,484	7,570	8,348	8,580	10,375	11,344	11,552	478	5,530	2,465
Federal.....	205	294	432	472	480	472	545	504	100	298	55
State and local.....	1,433	1,691	1,752	1,834	1,983	2,208	2,458	2,731	-	293	2,430
Govt. enterprise fixed capital.....	3,735	4,500	5,367	6,042	6,125	7,895	8,335	8,318	375	7,940	-
Regulation and monitoring ²	480	585	653	725	833	845	1,057	1,297	340	529	111
Federal.....	278	348	351	402	429	507	593	785	125	330	51
Research and development ²	903	998	1,103	1,279	1,475	1,633	1,731	1,772	1,037	227	43
Private.....	555	605	605	705	849	955	1,099	1,124	900	110	15
Federal.....	299	342	445	525	575	592	554	570	130	80	25
CONSTANT (1972) DOLLARS											
Total expenditures.....	25,533	21,357	25,595	24,225	24,509	25,185	25,435	25,595	11,135	15,945	4,535
Pollution abatement.....	19,235	19,851	21,544	22,555	23,230	24,474	24,755	24,725	10,410	10,515	4,451
Personal consumption.....	1,955	2,115	2,559	2,557	2,945	2,950	2,950	3,304	3,304	-	-
Business.....	12,330	12,572	13,057	13,755	14,515	14,857	15,327	15,405	5,877	5,031	3,175
Government.....	5,005	5,483	5,955	6,221	5,970	6,517	6,445	5,019	229	4,485	1,275
Regulation and monitoring.....	455	515	517	535	577	520	552	735	191	300	52
Research and development.....	545	540	547	520	593	1,014	1,021	1,004	554	129	25

- Represents zero. ¹For some types of expenditures, some data by type of media may be greater than total because total includes costs recovered. ²Includes State and local governments, not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, February 1982.

**NO. 361. AIR AND WATER POLLUTION ABATEMENT AND CONTROL EXPENDITURES IN CONSTANT (1972)
DOLLARS: 1973 TO 1980**

(In millions of dollars. See heading, table 360)

YEAR	AIR							WATER				
	Total	Mobile sources			Stationary sources		Total	Industrial		Public sewer systems ²		
		Total	Cars	Trucks	Total ¹	Industrial		Facilities	Operation of facilities	Facilities	Operation of facilities	
						Facilities						Operation of facilities
1973	7,130	2,859	2,501	358	4,261	2,854	1,397	5,214	1,555	1,021	4,248	1,353
1974	7,428	3,315	2,751	564	4,113	2,827	1,285	5,535	1,555	1,023	4,452	1,435
1975	8,544	4,119	3,352	757	4,425	3,027	1,398	9,298	1,945	1,052	4,765	1,524
1976	8,912	4,579	3,717	862	4,333	2,740	1,593	9,915	2,135	1,210	4,950	1,609
1977	9,104	4,820	3,711	1,109	4,254	2,575	1,705	9,923	2,050	1,337	4,795	1,740
1978	9,313	5,023	3,755	1,277	4,280	2,491	1,789	10,722	1,928	1,425	5,493	1,875
1979	9,548	5,127	3,717	1,411	4,521	2,540	1,850	10,551	1,810	1,504	5,321	1,947
1980	10,411	5,741	4,154	1,585	4,670	2,725	1,944	9,951	1,711	1,433	4,775	1,940

¹Excludes expenditures to reduce emissions from sources other than cars and trucks. ²Includes other expenditures not shown separately. ³Includes expenditures for private connectors to sewer systems, by owners of animal feedlots, and by government enterprises.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, February 1982.

Environmental Expenditures

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NO. 362. FEDERAL OUTLAYS FOR THE ENVIRONMENT, BY ACTIVITY: 1973 TO 1982

(In millions of dollars, except percent. Through 1976, for years ending June 30; thereafter, for years ending Sept. 30)

ACTIVITY	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, est.
Total	3,791	4,808	5,885	7,481	8,212	10,777	11,982	12,787	12,901	11,823
Annual percent change	28.9	32.6	22.1	24.8	23.1	17.0	11.2	6.5	-2.8	-5.4
Pollution abatement and control	1,925	2,874	3,571	4,536	5,829	5,934	6,645	7,832	7,220	6,964
Percent Environmental Protection Agency	57.8	68.3	70.8	63.2	74.9	66.6	69.1	73.4	72.8	66.8
Aid to State and local governments	908	1,867	2,189	2,769	3,967	3,972	4,789	5,177	4,671	4,500
Research and development	489	414	570	883	786	838	798	782	810	800
Standard setting and enforcement	215	304	366	394	426	524	537	791	776	750
Reduction of pollution from Federal facilities	174	301	334	478	467	431	550	471	488	508
Other	139	88	108	211	182	171	294	411	474	398
Protection and enhancement	820	870	1,128	1,294	1,498	2,686	2,614	2,748	2,583	2,286
Aid to State and local governments	248	333	403	392	426	647	856	891	1,063	851
City recreation	69	83	110	98	205	425	338	336	209	198
Noncity general recreation	84	121	151	142	145	158	188	128	253	232
Historic preservation and rehabilitation	9	11	11	14	47	39	45	84	108	75
Direct Federal activities	571	537	725	902	1,073	1,841	1,758	1,858	1,520	1,416
Noncity general recreation	172	128	189	264	325	372	449	488	319	310
Preservation and protection	196	151	184	245	303	647	367	434	382	347
City recreation	46	108	145	139	113	132	198	212	206	213
Historic preservation and rehabilitation	53	41	60	39	73	63	133	112	100	101
Understanding, describing, and predicting	868	1,085	1,298	1,851	1,885	2,155	2,423	2,376	2,888	2,803
Observation and prediction	452	484	586	861	709	744	757	854	902	929
Locate and describe natural resources	250	280	351	423	480	888	881	850	902	739
Research on environmental impact on people	66	96	57	227	261	288	303	337	396	428
Ecological and other basic environmental research	88	89	125	188	208	242	286	228	178	181
Physical environmental surveys	103	115	146	155	198	197	214	281	292	302

¹ Change from 1972. ² Includes funds for planning, monitoring and surveillance, and technical assistance. ³ Includes activities not shown separately. ⁴ Unique natural areas and endangered species. ⁵ Includes weather, ocean conditions, and earthquakes and other disturbances.

Source: U.S. Office of Management and Budget, *Special Analysis, Budget of the United States Government*, annual, and unpublished data.

NO. 363. FEDERAL OBLIGATIONS FOR POLLUTION ABATEMENT AND CONTROL: 1970 TO 1982

(In millions of dollars. For 1970 and 1975, year ending June 30; thereafter, for years ending Sept. 30. Obligations refer to facilities, contracts, and other commitments entered into requiring payment of money by the Government)

MEDIA	1970	1975	1980	1981	1982, est.	SELECTED POLLUTANTS ¹	1970	1975	1980	1981	1982, est.
Total	1,871	8,183	8,198	7,455	8,854	Toxics	00	(X)	487	380	432
Water	577	5,179	5,182	5,373	5,728	Solid wastes	20	174	366	536	718
Air	188	346	537	532	508	Radiation	116	180	209	220	239
Land	35	57	117	131	147	Pesticides	30	58	127	140	122
Other	169	519	1,349	1,419	1,571	Noise	36	80	92	106	84

X Not applicable. ¹ Funds for selected pollutants are included in media breakdown.

Source: U.S. Office of Management and Budget, *Special Analysis, Budget of the United States Government*, annual, and unpublished data.

NO. 364. GOVERNMENTAL EXPENDITURES FOR WATER, LAND, AND AIR QUALITY CONTROL ACTIVITIES: 1975 TO 1978

(In millions of dollars. For fiscal years ending in year stated. Covers regulatory, administrative, operational, and other activities directly related to the prevention, control, and abatement of water, land, and air pollution)

LEVEL OF GOVERNMENT	WATER QUALITY CONTROL				LAND QUALITY CONTROL ¹				AIR QUALITY CONTROL			
	1975	1977	1978	1979	1975	1977	1978	1979	1975	1977	1978	1979
Federal expenditures	3,139	4,316	4,413	4,828	95	125	132	183	242	256	323	383
Direct	468	487	480	557	94	118	118	120	189	200	289	283
Intergovernmental	2,682	3,851	3,923	4,272	4	7	16	43	53	56	60	90
State expenditures	939	882	818	988	108	134	146	186	157	188	185	186
Direct	328	381	409	438	67	120	128	184	146	178	171	162
Intergovernmental	613	481	412	547	21	14	20	24	10	11	14	14
Local expenditures²	8,006	6,486	6,834	6,488	2,321	2,337	2,780	3,014	39	32	35	35
Current operation	1,886	2,316	2,843	3,078	2,088	2,104	2,501	2,688	28	31	34	33
Capital outlay	4,020	4,180	4,191	5,420	235	233	279	348	1	1	1	1

¹ Includes collection, disposal, and recycling of trash, garbage, and other solid or hazardous waste, street cleaning, State government highway litter program, licensing and inspection, enforcement, etc. See footnote 2. ² Direct expenditures. Water quality control represents sewerage; land quality control, "ventilation other than sewerage" activities; and air quality control, expenditures only for cities with at least 300,000 population and counties with at least 500,000 population.

Source: U.S. Bureau of the Census, *Environmental Quality Control, Governmental Finances: Fiscal Year 1975-76* (GSS No. 95), *Fiscal Year 1976-77* (GSS No. 96), *Fiscal Year 1977-78* (GSS No. 97), and *Fiscal Year 1978-79* (GSS No. 101).

No. 365. NEW CAPITAL BUSINESS EXPENDITURES FOR POLLUTION ABATEMENT: 1975 TO 1981

INDUSTRY	POLLUTION ABATEMENT EXPENDITURES (\$B. dol.)								PERCENT OF TOTAL CAPITAL OUTLAYS BY BUSINESS ¹			
	1975	1976	1977	1980	1981				1975	1980	1981	
					Total	Air	Water	Solid waste			Total	Air
Total nonfarm business.....	9.97	7.98	8.42	9.20	9.89	4.97	3.84	.82	4.4	3.1	2.8	1.6
Manufacturing.....	4.98	4.44	4.82	5.52	5.42	2.88	2.10	.83	9.0	4.8	4.3	2.1
Durable goods ²	1.80	1.74	2.00	2.27	1.97	1.09	.70	.18	7.2	3.8	3.2	1.8
Primary metals.....	1.02	.79	.82	.95	.78	.54	.19	.05	17.5	12.7	9.6	6.7
Electrical machinery.....	.09	.10	.11	.18	.18	.08	.07	.02	2.8	1.6	1.7	.8
Machinery, exc. electrical.....	.09	.13	.14	.15	.15	.05	.09	.01	1.8	1.3	1.1	.4
Transportation equipment.....	.18	.28	.41	.52	.48	.20	.21	.06	2.7	2.9	2.5	1.1
Stone, clay, and glass.....	.22	.23	.21	.25	.18	.12	.03	.01	13.3	8.6	6.1	3.6
Nondurable goods ²	3.09	2.70	2.62	3.25	3.46	1.80	1.40	.45	10.6	5.7	5.3	2.5
Food, incl. beverage.....	.29	.34	.27	.27	.30	.13	.14	.04	7.2	3.7	3.6	1.6
Paper.....	.50	.29	.40	.39	.36	.18	.12	.11	16.7	6.8	5.7	2.4
Chemicals.....	.82	.73	.63	.73	.86	.38	.38	.14	10.8	8.8	6.5	2.9
Petroleum.....	1.27	1.80	1.38	1.71	1.76	.88	.74	.14	13.2	8.3	6.8	3.3
Rubber.....	.05	.07	.05	.03	.04	.02	.02	.01	4.2	1.9	2.3	1.1
Nonmanufacturing.....	2.04	3.14	3.60	3.69	3.51	2.28	.94	.29	2.0	2.1	1.8	1.2
Mining.....	.14	.42	.51	.45	.45	.18	.18	.10	2.3	3.6	2.7	1.1
Transportation.....	.11	.11	.10	.11	.09	.04	.04	.01	1.2	.9	.7	.3
Public utilities.....	1.51	2.39	2.78	2.86	2.80	1.98	.87	.15	7.5	8.1	7.3	5.2
Communication and other.....	.29	.23	.23	.21	.14	.07	.05	.03	.9	.3	.1	.1

¹Based on outlays reported in source; see also table 807. ²Includes industries not shown separately.Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1982.

No. 366. POLLUTION ABATEMENT CAPITAL EXPENDITURES AND OPERATING COSTS, BY SELECTED MANUFACTURING INDUSTRY GROUP: 1980

[In millions of dollars. Based on probability sample of about 20,000 manufacturing establishments. Excludes apparel and other textile establishments. Data will not agree with those shown in table 365; see source for details.]

INDUSTRY GROUP	POLLUTION ABATEMENT CAPITAL EXPENDITURES				POLLUTION ABATEMENT GROSS OPERATING COSTS ¹			
	Total	Air	Water	Solid waste	Total	Air	Water	Solid waste
All industries.....	3,642.2	2,134.1	1,183.4	264.7	6,298.4	3,323.5	3,218.6	1,096.1
Food.....	218.6	65.1	140.3	14.2	531.3	63.5	321.5	128.4
Lumber and wood.....	83.1	58.9	15.8	10.3	133.0	40.8	34.0	58.1
Paper.....	338.9	187.6	111.3	31.0	782.8	198.4	437.1	129.3
Chemicals.....	784.8	331.7	368.3	108.7	1,664.8	543.8	949.5	371.4
Petroleum.....	533.8	403.5	114.8	15.4	1,436.4	821.9	412.2	102.3
Stone, clay, glass.....	154.9	128.3	18.4	10.3	307.1	186.4	48.1	72.7
Primary metal.....	741.5	540.8	181.1	19.5	1,677.3	988.5	489.3	215.5
Electric equipment.....	82.2	45.3	28.2	8.7	205.2	45.3	87.8	72.0
Transportation equipment.....	275.0	201.4	60.5	12.9	401.5	110.7	137.4	153.2

¹Includes payments to governmental units.Source: U.S. Bureau of the Census, *Current Industries Reports*, series MA-200, annual.

No. 367. TORNADOES, FLOODS, AND TROPICAL CYCLONES: 1946 TO 1980

[See also *Historical Statistics, Colonial Times to 1870*, series J 268-276]

ITEM	1946- 1965	1966- 1985	1986- 1975	1972	1973	1974	1975	1976	1977	1978	1979	1980
Tornadoes, number ¹	2,968	6,572	8,030	741	1,102	947	920	636	852	788	852	806
Lives lost, total.....	1,751	824	1,172	27	87	381	80	44	43	53	84	28
Most in a single tornado.....	189	44	58	8	7	34	9	5	22	16	42	5
Property loss of \$500,000 and over.....	130	191	426	29	78	107	42	48	46	51	87	87
Floods: Lives lost.....	808	557	1,528	540	105	121	114	167	212	125	103	97
Property loss (mil. dol.).....	3,350	2,721	10,225	3,448	859	578	1,051	1,000	1,389	1,000	4,000	1,300
North Atlantic tropical cyclones and hurricanes: ¹												
Number reaching U.S. coast.....	40	33	26	3	1	1	1	2	1	2	5	2
Hurricanes only.....	21	14	13	1	-	1	1	1	1	-	3	1
Lives lost in U.S.....	405	662	504	121	5	1	21	9	-	35	11	2

- Represents zero. ¹A violent, rotating column of air descending from a cumulonimbus cloud in the form of a tubular- or funnel-shaped cloud, usually characterized by movements along a narrow path and wind speeds from 100 to over 300 miles per hour. Also known as a "twister" or "waterspout." ²Tropical cyclones have maximum winds of 39 to 73 miles per hour; hurricanes have maximum winds of 74 miles per hour or higher.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatological Data: National Summary*. Monthly with annual summary.

NO. 300. NORMAL DAILY MEAN TEMPERATURE—SELECTED CITIES

(In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1941 through 1970. See *Historical Statistics, Colonial Times to 1870*, series J 110-135 and J 164-257, for related data.)

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
Ala.	Mobile	51.2	54.0	59.4	67.9	74.8	80.3	81.6	81.5	77.5	68.9	58.5	52.9	67.4
Alaska	Juneau	23.5	28.0	31.9	36.9	46.8	53.2	55.7	54.3	49.2	41.8	32.5	27.3	40.3
Ariz.	Phoenix	51.2	55.1	59.7	67.7	76.3	84.8	81.2	89.1	83.8	72.2	59.8	52.5	70.3
Ark.	Little Rock	39.5	42.9	50.3	61.7	68.9	76.1	81.4	80.6	73.3	62.4	50.3	41.6	61.0
Calif.	Los Angeles	54.5	55.8	56.5	58.5	61.9	64.5	68.5	68.5	66.7	65.2	60.5	56.9	61.7
	Sacramento	45.1	49.8	53.0	58.3	64.9	70.5	75.2	74.1	71.5	63.3	53.0	45.8	60.3
	San Francisco	48.3	51.2	53.0	55.3	58.3	61.8	62.5	63.0	64.1	61.0	55.3	49.7	56.9
Colo.	Denver	29.9	32.9	37.0	47.5	57.0	66.0	73.0	71.6	62.8	52.0	39.4	32.6	50.1
Conn.	Hartford	34.8	38.8	35.6	47.7	58.3	67.8	72.7	70.4	62.8	52.6	41.3	28.2	49.1
Del.	Wilmington	32.0	33.6	41.6	52.3	62.4	71.4	75.8	74.1	67.9	57.2	45.7	34.7	54.0
D.C.	Washington	35.6	37.3	45.1	55.4	66.2	74.5	78.7	77.1	70.6	59.8	48.0	37.4	57.3
Fla.	Jacksonville	54.6	58.9	61.2	68.1	74.3	79.2	81.0	81.0	78.2	70.5	61.2	55.4	68.4
	Miami	67.2	67.8	71.3	75.0	78.0	81.0	82.3	82.9	81.7	77.8	72.2	68.3	75.5
Ga.	Atlanta	42.4	45.0	51.1	61.1	69.1	75.8	78.0	77.5	72.3	62.4	51.4	43.5	60.8
Hawaii	Honolulu	72.3	72.3	73.0	74.8	76.9	78.9	80.1	80.7	80.4	78.9	76.5	73.7	76.6
Idaho	Boise	29.0	35.5	41.1	49.0	57.4	64.8	74.5	72.2	63.1	52.1	39.8	32.1	50.9
Ill.	Chicago	22.9	26.1	35.7	48.5	58.4	66.1	71.9	71.1	63.7	53.8	39.2	27.1	45.9
	Peoria	23.8	27.7	37.9	51.3	61.5	71.3	75.1	73.5	65.5	55.0	39.9	28.0	50.8
Ind.	Indianapolis	27.9	30.7	39.7	52.3	62.2	71.7	75.0	73.2	66.3	55.7	41.7	30.9	52.3
Iowa	Des Moines	19.4	24.2	33.9	48.5	60.9	70.5	75.1	73.3	64.3	54.3	37.8	25.0	49.0
Kans.	Wichita	31.3	35.3	43.6	55.8	65.1	75.8	80.7	79.7	70.5	58.6	44.8	34.5	58.8
Ky.	Louisville	33.3	35.6	44.0	55.9	64.8	73.3	76.9	75.9	69.1	58.1	45.0	35.6	55.6
La.	New Orleans	52.9	55.6	60.7	68.6	75.1	80.4	81.9	81.9	78.2	69.8	60.1	54.8	66.3
Maine	Portland	21.5	22.9	31.8	42.7	52.7	62.2	68.0	66.4	58.7	49.1	38.6	25.7	45.0
Md.	Baltimore	33.4	34.8	42.8	53.8	63.7	72.4	76.8	74.9	66.5	57.4	48.1	35.3	55.0
Mass.	Boston	29.2	30.4	38.1	46.8	56.6	66.0	73.3	71.3	64.5	55.4	45.2	33.0	51.3
Mich.	Detroit	25.5	26.9	35.4	46.1	56.4	66.1	73.3	71.9	64.5	54.3	41.1	29.6	49.9
	Sault Ste. Marie	14.2	15.2	24.0	36.2	48.0	58.7	63.8	63.2	56.3	46.2	32.8	20.1	40.0
Minn.	Duluth	8.5	12.1	23.5	36.6	49.4	59.0	65.6	64.1	54.4	45.3	28.4	14.4	36.6
	Minneapolis-St. Paul	12.2	18.5	26.3	45.1	57.1	66.9	71.9	70.2	60.0	50.0	32.4	18.6	44.1
Miss.	Jackson	47.1	49.8	58.1	65.7	72.7	79.4	81.7	81.2	78.0	65.6	55.3	48.9	65.0
Mo.	Kansas City	27.1	32.3	40.7	54.2	64.1	73.0	77.5	76.5	68.0	57.6	42.3	31.3	53.7
	St. Louis	31.3	35.1	43.3	56.5	65.8	74.9	78.8	77.2	69.6	59.1	45.0	34.6	55.9
Mont.	Great Falls	20.5	26.6	30.5	43.4	53.3	60.8	69.3	67.4	57.3	48.3	34.6	26.5	44.9
Nebr.	Omaha	22.6	28.0	37.1	52.3	63.0	72.2	77.2	75.6	66.3	55.9	40.0	28.0	51.5
Nev.	Reno	31.9	37.1	40.3	46.8	54.6	61.5	69.3	65.9	60.2	50.3	40.1	33.0	49.4
N.H.	Concord	20.8	22.6	32.3	44.2	55.1	64.7	69.7	67.2	59.5	49.3	38.0	24.8	45.6
N.J.	Atlantic City	32.7	33.9	41.1	51.7	61.6	70.3	75.1	73.4	67.1	56.7	46.0	35.1	53.7
N. Mex.	Albuquerque	35.2	40.0	46.8	55.8	65.3	74.5	78.7	76.6	70.1	58.2	44.5	36.2	58.8
N.Y.	Albany	21.5	23.5	33.4	46.9	57.7	67.5	72.0	69.6	61.9	51.4	39.6	25.9	47.6
	Buffalo	23.7	24.4	32.1	44.9	55.1	65.7	70.1	68.4	61.6	51.5	39.8	27.9	47.1
	New York ¹	32.2	33.4	41.1	52.1	62.3	71.5	76.6	74.9	68.4	58.7	47.4	35.5	54.5
N.C.	Charlotte	42.1	44.0	50.6	60.8	68.6	75.9	78.5	77.7	72.0	61.7	51.0	42.5	60.5
	Raleigh	40.5	42.2	49.2	59.5	67.4	74.4	77.5	76.5	70.8	60.2	50.0	41.2	59.1
N. Dak.	Bismarck	8.2	13.5	25.1	43.0	54.4	63.5	70.8	69.2	57.5	46.6	29.9	15.6	41.4
Ohio	Cincinnati	31.1	33.5	41.7	53.9	63.2	72.1	75.6	74.4	67.8	56.6	43.8	33.7	54.0
	Cleveland	26.9	27.9	36.1	48.3	58.3	67.9	71.4	70.0	63.9	53.8	41.6	30.3	49.7
	Columbus	29.4	30.3	39.2	51.2	61.1	70.4	73.6	71.9	65.2	54.2	41.7	30.7	51.5
Ola.	Oklahoma City	35.6	41.3	48.2	60.4	69.3	76.8	81.5	81.1	73.0	62.4	49.2	40.0	58.9
Oreg.	Portland	39.1	42.6	45.7	50.6	56.7	62.0	67.1	66.6	62.2	53.6	45.3	40.7	52.6
Pa.	Philadelphia	32.3	33.9	41.9	52.9	63.2	72.3	76.8	74.8	68.1	57.4	46.2	35.2	54.6
	Pittsburgh	29.1	29.3	38.1	50.2	59.8	68.8	71.9	70.2	63.8	53.2	41.3	30.5	50.4
R.I.	Providence	29.4	29.4	36.9	47.3	56.9	66.4	72.1	70.4	63.4	53.7	43.3	31.5	50.0
S.C.	Columbia	45.4	47.6	54.2	64.1	72.1	78.8	81.2	80.2	74.5	64.2	53.8	46.0	63.5
S. Dak.	Sioux Falls	14.2	19.4	30.0	46.1	57.7	67.6	73.3	71.8	60.9	50.2	33.1	20.0	45.4
Tenn.	Memphis	40.5	43.8	51.0	62.5	70.9	78.5	81.6	80.4	73.6	63.0	50.9	42.7	61.6
	Nashville	39.3	41.0	48.7	60.1	69.5	76.5	79.6	78.5	72.0	60.9	48.4	40.4	59.4
Tex.	Dallas-Fort Worth	44.6	48.7	55.0	65.2	72.5	80.6	84.8	84.9	77.7	67.6	55.6	47.9	65.5
	El Paso	43.8	48.4	54.5	63.9	72.2	80.3	82.3	80.5	74.2	64.0	51.6	44.4	63.4
	Houston	52.1	55.9	60.8	69.4	75.8	81.1	83.3	83.4	79.2	70.9	61.1	54.6	69.9
Utah	Salt Lake City	26.0	33.4	39.6	49.2	58.3	66.2	76.7	74.5	64.8	52.4	39.1	30.3	51.0
Vt.	Burlington	18.8	18.8	29.1	43.0	54.8	65.2	69.8	67.4	60.3	48.6	37.0	22.6	44.4
Va.	Richmond	40.5	41.4	48.1	57.8	66.7	74.5	78.9	78.9	71.8	61.7	51.6	42.3	59.3
	Spokane	37.5	39.4	46.9	57.6	66.5	74.2	77.9	76.3	70.0	59.3	49.0	39.0	57.6
Wash.	Seattle-Tacoma	39.2	42.3	44.1	48.7	54.9	59.8	64.5	63.8	59.8	52.2	44.6	40.5	51.1
	Spokane	25.4	32.2	37.5	46.1	54.7	61.5	69.7	68.0	60.6	47.6	35.5	29.0	47.9
W. Va.	Charleston	34.5	36.5	44.5	55.9	64.5	72.0	75.0	73.5	67.5	57.0	45.4	36.2	55.2
Wis.	Milwaukee	19.4	22.5	31.4	44.7	54.2	64.5	69.9	69.2	61.1	51.0	38.5	24.2	45.7
Wyo.	Cheyenne	26.6	29.0	31.6	42.7	52.4	61.3	69.1	67.5	58.2	47.9	36.5	29.2	45.9
P.R.	San Juan	78.4	75.3	78.3	77.5	79.2	80.5	80.9	81.3	81.1	80.6	78.7	76.8	78.6

¹City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81

No. 360. NORMAL DAILY MAXIMUM TEMPERATURE—SELECTED CITIES

[In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1941 through 1970]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
Ala.	Mobile	61.1	64.1	69.5	78.0	85.0	89.8	90.5	90.8	86.5	79.7	69.5	63.0	77.3
Alaska	Juneau	29.1	33.9	38.2	46.5	55.4	62.0	63.6	62.3	56.1	47.2	37.3	32.0	47.0
Ariz.	Phoenix	64.8	69.3	74.5	83.8	92.9	101.5	104.8	102.2	96.4	87.6	74.7	66.4	86.1
Ark.	Little Rock	50.1	53.8	61.8	73.5	81.4	89.3	92.6	92.5	85.8	76.0	62.4	52.1	72.6
Calif.	Los Angeles	63.5	64.1	64.3	65.9	68.4	70.3	74.8	75.8	75.7	72.9	68.8	66.5	69.2
	Sacramento	53.0	59.1	64.1	71.3	78.8	86.4	92.9	91.3	87.7	77.1	63.8	53.3	73.2
	San Francisco	55.3	59.6	61.0	63.5	66.6	70.2	70.9	71.6	73.8	70.3	63.3	56.5	66.1
Colo.	Denver	49.5	46.2	50.1	61.0	70.3	80.1	87.4	85.8	77.7	66.8	53.3	46.2	64.0
Conn.	Hartford	33.4	35.7	44.6	58.9	70.3	79.5	84.1	81.9	74.5	64.3	50.6	36.8	59.6
Del.	Wilmington	40.2	42.2	51.1	63.0	73.1	81.8	85.5	83.9	78.2	67.8	55.2	43.0	63.7
D.C.	Washington	43.5	46.0	55.0	67.1	76.6	84.8	88.2	86.6	80.2	69.8	57.2	45.2	68.7
Fla.	Jacksonville	64.8	66.9	72.2	79.0	84.6	88.3	90.0	89.7	86.0	79.2	71.4	65.6	78.1
	Miami	75.8	76.6	79.5	82.7	85.3	88.0	89.1	89.9	86.3	84.6	79.9	76.6	83.0
Ga.	Atlanta	51.4	54.5	61.1	71.4	79.0	84.8	89.5	86.4	81.2	72.5	61.9	52.7	70.3
Hawaii	Honolulu	79.3	79.2	79.7	81.4	83.6	85.6	86.8	87.4	87.4	85.8	83.2	80.3	83.3
Idaho	Boise	36.5	43.6	51.8	61.4	70.6	78.3	90.5	87.6	77.8	64.7	48.9	39.1	62.8
Ill.	Chicago	31.1	34.3	44.6	59.4	69.7	79.1	83.1	82.3	75.4	65.5	48.3	35.0	59.0
	Peoria	31.9	36.0	46.5	61.7	72.3	81.7	85.5	84.0	76.4	65.9	48.7	35.7	60.5
Ind.	Indianapolis	38.0	39.3	49.0	62.8	72.9	82.3	85.4	84.0	77.7	67.0	50.5	36.7	62.2
Iowa	Des Moines	27.5	32.5	42.5	58.7	70.9	79.8	84.9	83.2	74.8	64.9	46.4	32.8	58.3
Kans.	Wichita	41.4	47.1	55.0	68.1	77.1	86.5	91.7	91.0	81.9	71.3	55.6	44.3	67.6
Ky.	Louisville	42.0	45.0	54.0	68.9	75.8	83.7	87.3	86.8	80.5	70.3	54.9	44.1	65.9
La.	New Orleans	62.3	65.1	70.4	78.4	84.9	89.6	90.4	90.6	86.8	79.9	70.3	64.2	77.7
Maine	Portland	31.2	33.3	40.8	52.8	63.6	73.2	79.1	77.6	69.9	60.2	47.6	34.9	55.3
Md.	Baltimore	41.9	43.9	53.0	65.2	74.8	83.2	86.7	85.1	79.0	68.3	56.1	43.9	66.1
Mass.	Boston	36.9	37.5	44.6	58.3	67.1	76.8	81.4	79.3	72.2	63.2	51.7	39.3	58.7
Mich.	Detroit	31.7	33.7	43.1	57.6	68.5	79.1	83.1	81.6	74.2	63.4	47.7	35.4	58.3
	South St. Marie	22.0	23.7	32.5	47.2	59.4	70.0	75.1	73.4	64.5	54.8	39.0	26.8	48.0
Minn.	Duluth	17.6	22.1	32.6	47.8	60.0	69.7	76.4	74.4	64.9	54.3	35.3	22.5	48.1
	Minneapolis-St. Paul	21.2	25.9	36.9	55.5	67.9	77.1	82.4	80.8	70.7	60.7	40.6	28.6	53.8
Miss.	Jackson	58.4	61.7	68.7	76.2	86.0	91.0	92.7	92.6	86.0	80.1	66.5	60.5	77.1
Mo.	Kansas City	35.7	41.4	50.7	64.7	74.2	82.8	88.0	87.2	78.6	68.2	51.4	39.3	63.5
	St. Louis	39.9	44.2	53.0	67.0	76.0	84.9	88.4	87.2	80.1	69.8	54.1	42.7	66.6
Mont.	Great Falls	29.3	35.9	40.4	54.5	65.0	72.1	83.7	81.8	70.0	59.4	43.4	34.7	55.9
Nebr.	Omaha	32.7	38.5	47.7	64.4	74.4	83.1	88.8	87.2	78.6	69.1	50.9	37.9	62.6
Nev.	Reno	45.4	51.1	58.0	64.0	72.2	80.4	91.1	89.0	81.8	70.0	56.3	46.4	67.0
N.H.	Concord	31.3	33.8	42.4	56.7	68.6	77.7	82.8	80.1	72.4	62.3	47.9	34.6	57.5
N.J.	Atlantic City	41.4	42.9	50.7	62.3	72.4	80.8	84.7	83.0	77.3	67.5	56.9	44.2	63.6
N. Mex.	Albuquerque	46.9	52.6	59.2	70.1	79.9	88.5	92.2	89.7	83.4	71.7	57.1	47.5	70.0
N.Y.	Albany	30.4	32.7	42.6	58.0	69.7	79.4	83.9	81.4	73.7	62.8	48.1	34.1	58.1
	Buffalo	29.6	31.0	39.0	53.3	64.3	75.1	79.5	77.6	70.8	60.2	46.1	33.6	55.0
	New York ¹	38.5	40.2	48.4	60.7	71.4	80.5	85.2	83.4	76.8	66.8	54.0	41.4	62.3
N.C.	Charlotte	52.1	54.9	62.2	72.7	80.2	86.4	88.3	87.4	82.0	73.1	62.4	52.5	71.2
	Raleigh	51.0	53.2	61.0	72.2	79.4	85.6	87.7	86.8	81.5	72.4	62.1	51.9	70.4
N. Dak.	Bismarck	19.1	24.5	35.4	54.8	67.1	75.6	84.3	83.5	71.3	60.3	39.4	26.0	53.5
Ohio	Cincinnati	39.7	42.7	51.8	65.0	74.4	83.2	88.5	86.8	79.7	68.5	53.2	42.0	64.4
	Cleveland	33.4	35.0	44.1	58.0	68.4	78.2	81.6	80.4	74.2	63.6	48.8	36.4	58.5
	Columbus	36.4	39.2	49.3	62.8	72.9	81.9	84.8	83.7	77.6	66.4	50.9	38.7	62.1
Okla.	Oklahoma City	47.6	52.6	59.8	71.6	78.7	87.0	92.6	92.5	84.7	74.2	60.9	50.7	71.1
Oreg.	Portland	43.6	50.1	54.3	60.3	67.0	72.1	79.0	78.1	73.9	62.9	52.1	46.0	61.6
Pa.	Philadelphia	40.1	42.2	51.2	63.5	74.1	83.0	88.6	84.8	78.4	67.9	55.5	43.2	64.2
	Pittsburgh	36.3	37.3	47.2	60.9	70.9	79.5	82.5	80.9	74.9	63.9	49.3	37.3	60.0
R.I.	Providence	36.2	37.6	44.7	58.7	68.8	76.3	81.1	79.8	73.1	63.9	52.0	39.6	59.0
S.C.	Columbia	56.9	59.7	66.5	76.9	84.5	90.3	92.0	91.0	85.4	77.1	66.9	57.9	75.4
S. Dak.	Sioux Falls	24.6	29.7	39.7	57.8	69.7	78.9	85.1	83.8	73.0	62.7	43.5	29.6	56.5
Tenn.	Memphis	48.4	53.1	60.8	72.7	81.2	88.7	91.8	90.8	84.3	74.9	61.5	51.7	71.7
	Nashville	47.6	50.9	59.2	71.3	79.6	87.5	90.2	89.2	83.5	73.2	59.0	49.6	70.1
Tex.	Dallas-Fort Worth	55.7	59.6	65.6	76.3	82.8	90.8	95.5	96.1	88.5	79.2	67.5	58.7	76.5
	El Paso	57.0	62.5	68.9	78.6	87.2	94.9	94.6	92.8	87.4	78.5	66.1	57.8	77.2
	Houston	82.6	86.0	91.8	99.4	105.9	113.3	118.6	114.3	101.1	93.5	73.0	66.8	79.8
Utah	Salt Lake City	37.4	43.4	50.8	61.8	72.4	81.3	92.8	90.2	80.3	66.4	50.0	39.0	63.8
Vt.	Burlington	25.9	29.2	38.0	53.3	66.1	76.5	81.0	78.3	70.0	58.7	44.3	30.3	54.2
Va.	Norfolk	48.8	50.0	57.3	67.7	76.2	83.5	88.6	84.9	79.8	70.1	60.5	50.6	66.0
	Richmond	47.4	49.9	58.2	70.3	78.4	85.4	88.2	86.6	80.9	71.2	60.6	49.1	68.6
Wash.	Seattle-Tacoma	43.4	48.5	51.5	57.0	64.1	69.0	75.1	73.8	66.7	59.4	50.4	45.4	58.8
	Spokane	31.1	39.0	48.2	67.0	76.5	83.6	84.3	81.9	72.5	66.1	41.8	33.9	57.2
W. Va.	Charleston	43.8	48.2	55.2	67.9	76.6	83.4	85.6	84.4	79.0	69.1	56.8	45.2	66.0
Wis.	Milwaukee	27.3	30.3	39.4	54.6	65.0	75.3	80.4	79.7	71.5	61.4	44.4	31.5	55.1
Wyo.	Cheyenne	38.2	40.7	43.6	55.4	65.1	74.4	83.7	81.9	72.6	61.6	47.6	40.3	58.8
P.R.	San Juan	81.9	82.1	83.8	84.4	85.6	87.0	87.0	87.5	87.6	87.4	86.0	83.1	86.2

¹ City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 61.

NO. 378. NORMAL DAILY MINIMUM TEMPERATURE—SELECTED CITIES

[In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1941 through 1970]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
Ala.	Mobile	41.3	43.8	49.2	57.7	64.5	70.7	72.8	72.3	68.4	58.0	47.5	42.8	57.4
Alaska	Juneau	17.8	22.1	25.8	31.3	38.2	44.4	47.7	48.2	42.3	36.4	27.6	22.5	33.5
Ariz.	Phoenix	37.6	40.8	44.8	51.8	58.6	67.7	77.5	78.0	69.1	58.8	44.8	38.5	55.4
Ark.	Little Rock	29.9	31.9	38.7	49.9	58.1	66.8	70.1	66.8	60.8	48.7	38.1	31.1	49.3
Calif.	Los Angeles	45.4	47.0	48.6	51.7	55.3	58.6	62.1	63.2	61.8	57.5	51.3	47.3	54.1
	Sacramento	37.1	40.4	41.9	45.3	49.6	54.6	57.6	56.9	55.3	49.5	42.4	38.3	47.4
	San Francisco	41.2	43.8	44.9	47.0	49.9	53.0	54.0	54.3	54.5	51.6	47.2	42.9	48.7
Colo.	Denver	16.2	19.4	23.8	33.9	43.6	51.9	58.6	57.4	47.8	37.2	25.4	18.9	36.2
Conn.	Hartford	18.1	17.9	26.6	36.5	46.2	56.0	61.2	60.9	51.0	40.8	31.9	19.6	38.6
Del.	Wilmington	23.8	24.9	32.0	41.5	51.6	61.1	68.1	64.3	57.8	46.5	36.2	26.3	44.3
D.C.	Washington	27.7	28.6	35.2	45.7	56.7	64.6	69.1	67.6	61.0	49.7	38.6	29.5	47.8
Fla.	Jacksonville	44.5	45.7	50.1	57.1	63.9	70.0	72.0	72.3	70.4	61.7	51.0	45.1	58.7
	Miami	65.7	68.0	69.0	67.3	70.7	73.9	75.5	75.8	75.0	71.0	64.5	60.0	67.9
Ga.	Atlanta	33.4	35.5	41.1	50.7	59.2	66.6	69.4	68.8	63.4	52.3	40.8	34.3	51.3
Hawaii	Honolulu	65.9	65.9	68.3	68.1	70.2	72.2	73.4	74.0	73.4	72.0	69.8	67.1	69.8
Idaho	Boise	21.4	27.2	30.5	38.5	44.1	51.2	58.5	56.7	48.5	39.4	30.7	25.0	39.1
Ill.	Chicago	14.7	17.8	28.7	38.2	47.0	57.0	60.7	59.9	52.0	42.0	30.1	19.2	36.6
	Peoria	15.7	19.3	28.1	40.8	50.7	60.9	64.6	62.9	54.6	44.0	31.1	20.3	41.1
Ind.	Indianapolis	19.7	22.1	30.3	41.8	51.5	61.1	64.6	62.4	54.9	44.3	32.8	23.1	42.4
Iowa	Des Moines	11.9	15.8	25.2	39.2	50.9	61.1	65.3	63.4	54.0	43.6	29.2	17.2	39.7
Kans.	Wichita	21.2	25.4	32.1	45.1	55.0	65.0	69.6	68.3	59.2	47.9	33.8	24.6	45.6
Ky.	Louisville	24.5	28.5	34.0	44.8	53.9	62.9	68.4	64.9	57.7	45.9	35.1	27.1	45.3
La.	New Orleans	43.5	46.0	50.9	58.8	65.3	71.2	73.3	73.1	69.7	59.6	49.8	45.3	58.9
Maine	Portland	11.7	12.5	22.8	32.5	41.7	51.1	58.9	55.2	47.4	38.0	29.7	18.4	34.7
Md.	Baltimore	24.9	25.7	32.5	42.4	52.5	61.6	66.5	64.7	57.9	46.4	36.0	26.8	44.8
Mass.	Boston	22.5	23.3	31.5	40.8	50.1	59.3	65.1	63.3	56.7	47.5	38.7	28.6	43.8
Mich.	Detroit	19.2	20.1	27.6	38.6	48.3	59.1	63.4	62.1	54.8	45.2	34.4	23.8	41.4
	Sault Ste. Marie	8.4	6.7	15.5	29.2	38.5	47.3	52.5	52.9	46.1	37.6	26.5	13.3	31.0
Minn.	Duluth	-6	2.0	14.4	29.3	38.8	48.3	54.7	53.7	44.8	36.2	21.4	6.3	29.1
	Minneapolis-St. Paul	3.2	7.1	19.6	34.7	46.3	56.7	61.4	59.6	49.3	39.2	24.2	10.6	34.3
Miss.	Jackson	35.9	37.8	43.4	53.1	60.4	67.7	70.6	69.8	64.0	51.5	42.0	37.3	52.6
Mo.	Kansas City	18.4	23.1	30.6	43.7	54.0	63.2	68.9	65.8	57.1	46.9	33.1	23.3	43.8
	St. Louis	22.6	28.0	33.5	46.0	56.5	64.8	68.8	67.1	59.1	48.4	35.9	26.5	46.2
Mont.	Great Falls	11.6	17.2	20.6	32.3	41.5	49.5	54.9	63.0	44.6	37.1	25.7	18.2	33.8
Nebr.	Omaha	12.4	17.4	26.4	40.1	51.5	61.3	65.8	64.0	54.0	42.6	29.1	18.1	40.2
Nev.	Reno	18.3	23.0	24.6	29.8	37.0	42.5	47.4	44.8	38.6	30.5	23.9	19.6	31.7
N.H.	Concord	9.9	11.3	22.1	31.7	41.5	51.6	58.7	54.2	46.5	36.3	28.1	14.9	33.7
N.J.	Atlantic City	24.0	24.9	31.5	41.0	50.7	59.7	65.4	63.9	56.8	45.9	36.1	26.0	43.8
N. Mex.	Albuquerque	23.5	27.4	32.3	41.4	50.7	59.7	65.2	63.4	56.7	44.7	31.8	24.9	43.5
N.Y.	Albany	12.5	14.3	24.2	35.7	45.7	55.6	60.1	57.8	50.1	40.0	31.1	17.7	37.1
	Buffalo	17.6	17.7	25.2	36.4	45.9	56.3	60.7	59.1	52.3	42.7	33.5	22.2	39.1
	New York ¹	25.9	25.5	33.7	43.5	53.1	62.6	68.0	66.4	59.9	50.6	40.8	29.5	48.7
N.C.	Charlotte	32.1	33.1	39.0	48.9	57.4	65.3	69.7	67.9	61.9	50.3	39.6	32.4	49.7
	Raleigh	30.0	31.1	37.4	46.7	55.4	63.1	67.2	66.2	59.7	48.0	37.8	30.5	47.8
N. Dak.	Bismarck	-2.8	2.4	14.7	31.1	41.7	51.6	57.3	54.9	43.7	33.2	18.3	5.2	29.3
Ohio	Cincinnati	22.4	23.8	31.6	42.7	51.9	61.0	64.6	63.0	56.9	45.0	34.3	25.3	43.5
	Cleveland	20.3	20.6	28.1	38.5	48.1	57.5	61.2	59.6	53.5	43.9	34.4	24.1	40.8
	Columbus	20.4	21.4	29.1	39.5	49.3	58.9	62.4	60.1	52.7	42.0	32.4	22.7	40.9
Okla.	Oklahoma City	26.0	30.0	36.5	48.1	57.9	66.6	70.4	69.8	61.3	50.6	37.4	29.2	46.7
Oreg.	Portland	32.5	35.5	37.0	40.6	46.3	51.8	55.2	55.0	50.5	44.7	36.5	35.3	43.8
Pa.	Philadelphia	24.4	25.5	32.5	42.3	52.3	61.6	68.7	64.7	57.9	46.9	36.9	27.2	44.9
	Pittsburgh	20.8	21.9	29.0	39.4	48.7	57.7	61.3	60.4	52.7	42.4	33.3	23.6	40.8
R.I.	Providence	20.6	21.2	29.0	37.8	46.9	56.5	63.0	61.0	53.8	43.4	34.6	23.4	40.9
S.C.	Columbia	33.9	36.5	41.9	51.3	59.6	67.2	70.3	69.4	63.5	51.3	40.6	34.1	51.5
S. Dak.	Sioux Falls	3.7	8.0	20.2	34.4	45.7	56.3	61.5	59.8	48.7	37.6	22.7	10.4	34.2
Tenn.	Memphis	31.8	34.4	41.1	52.3	60.6	68.5	71.5	70.1	62.6	51.1	40.3	33.7	51.5
	Nashville	29.0	31.0	38.1	48.8	57.3	65.7	69.0	67.7	60.5	48.6	37.7	31.1	48.7
Tex.	Dallas-Fort Worth	33.9	37.8	43.3	54.1	62.1	70.3	74.0	73.7	66.8	56.0	44.1	37.0	54.4
	El Paso	30.2	34.3	40.3	49.3	57.2	65.7	69.9	68.2	61.0	49.5	37.0	30.8	49.5
	Houston	41.5	44.6	49.8	59.3	66.6	70.9	72.8	72.4	66.2	56.3	46.1	43.4	58.0
Utah	Salt Lake City	16.5	23.3	28.3	36.8	44.2	51.1	60.5	58.7	49.3	38.4	28.1	21.5	38.2
Vt.	Burlington	7.8	8.9	20.1	32.6	43.5	53.9	58.5	56.4	48.8	39.6	29.7	14.8	34.5
Va.	Norfolk	32.2	32.7	38.9	47.9	57.2	65.5	69.9	68.8	63.9	53.3	42.6	34.0	50.8
	Richmond	27.8	28.8	35.5	45.2	54.5	62.9	67.5	65.9	59.0	47.4	37.3	28.8	46.7
Wash.	Seattle-Tacoma	33.0	36.0	36.8	40.3	45.6	50.6	53.8	53.7	50.4	44.9	36.8	36.5	43.3
	Spokane	19.8	25.3	28.8	35.2	42.8	49.4	55.1	54.0	46.7	37.5	29.2	24.0	37.3
W. Va.	Charleston	25.3	28.8	33.8	43.8	52.3	60.6	64.3	62.8	55.9	44.8	35.0	27.2	44.4
Wis.	Milwaukee	11.4	14.8	23.4	34.7	43.3	52.6	59.3	56.7	50.7	40.8	28.5	16.8	36.3
Wyo.	Cheyenne	14.9	17.3	19.8	30.0	39.7	48.1	54.5	53.2	43.5	33.9	23.5	16.1	33.0
P.R.	San Juan	68.8	68.4	68.8	70.8	72.6	74.0	74.8	75.1	74.8	73.7	72.5	70.5	72.0

¹ City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No.81.

No. 371. HIGHEST TEMPERATURE OF RECORD—SELECTED CITIES

(In Fahrenheit degrees. Airport data unless otherwise noted. For period of record through 1990)

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	all
Ala.	Mobile	40	84	82	90	92	100	104	102	99	87	81	100	100	
Alaska	Juneau	38	57	55	59	71	82	88	90	83	72	51	55	54	80
Ariz.	Phoenix	44	88	89	95	104	113	117	118	118	107	93	88	118	
Ark.	Little Rock	40	63	84	91	92	98	104	109	108	106	97	88	80	109
Calif.	Los Angeles	46	88	92	93	95	97	104	97	98	110	106	101	94	110
	Sacramento	31	76	78	86	92	104	115	114	108	108	101	87	72	115
	San Francisco	54	72	78	85	92	98	106	104	98	103	97	85	75	106
Colo.	Denver	47	72	76	84	95	96	104	104	101	97	88	79	75	104
Conn.	Hartford	27	65	70	87	96	97	100	101	96	91	81	66	102	
Del.	Wilmington	34	75	74	86	91	95	99	102	101	100	91	85	72	102
D.C.	Washington	40	79	82	89	95	97	101	103	100	101	94	86	75	103
Fla.	Jacksonville	40	86	88	91	95	100	103	102	100	95	88	84	106	
	Miami	39	87	89	92	98	94	98	98	95	89	87	98		
Ga.	Atlanta	33	79	79	85	91	96	101	105	102	98	85	84	77	105
Hawaii	Honolulu	12	67	87	88	89	90	91	92	92	93	89	89	93	
Idaho	Boise	42	63	89	81	92	98	109	111	110	102	91	73	65	111
Ill.	Chicago	23	61	71	87	91	93	97	102	96	99	91	78	67	102
	Peoria	42	68	72	82	89	92	100	103	101	100	90	81	71	103
Ind.	Indianapolis	42	71	74	86	89	93	102	104	100	100	90	81	70	104
Iowa	Des Moines	42	62	73	84	93	98	101	105	102	101	95	78	69	105
Kans.	Wichita	29	75	84	89	98	100	110	113	110	105	95	85	83	113
Ky.	Louisville	34	77	77	81	91	102	105	101	104	92	84	73	105	
La.	New Orleans	35	83	85	87	91	96	100	101	102	101	92	86	84	102
Maine	Portland	41	64	84	86	85	97	103	95	88	74	64	100		
Mid.	Baltimore	31	75	76	87	94	100	102	102	92	83	74	102		
Mass.	Boston	30	63	66	81	94	95	100	102	102	100	90	77	70	102
Mich.	Detroit	46	67	88	82	88	93	104	105	101	100	92	81	66	105
	Sault Ste. Marie	41	45	45	75	83	89	92	97	98	80	65	59	98	
Minn.	Duluth	40	52	56	78	86	90	93	97	97	85	88	70	55	97
	Minneapolis-St. Paul	43	58	80	83	95	96	100	104	102	89	75	63	104	
Miss.	Jackson	18	62	84	86	92	99	103	106	102	104	92	84	108	
Mo.	Kansas City	9	68	76	82	90	91	105	107	104	95	82	70	107	
	St. Louis	24	75	85	88	92	98	107	105	100	94	82	76	107	
Mont.	Great Falls	44	62	67	78	89	93	99	106	98	91	78	69	106	
Nebr.	Omaha	45	69	78	89	93	99	105	114	110	104	96	80	72	114
Nev.	Reno	40	70	74	83	95	95	101	104	103	101	91	77	70	104
N.H.	Concord	40	68	66	85	95	97	98	102	101	96	90	80	67	102
N.J.	Atlantic City	38	78	73	87	94	99	108	104	102	87	90	72	106	
N. Mex.	Albuquerque	42	69	75	85	89	95	105	105	101	100	91	77	72	105
N.Y.	Albany	35	62	67	85	92	94	99	100	99	100	89	85	100	
	Buffalo	38	72	65	81	87	90	95	94	99	86	87	70	99	
	New York	113	72	75	86	96	99	101	106	104	102	94	70	106	
N.C.	Charlotte	42	78	81	90	93	100	103	103	102	104	98	85	77	104
	Raleigh	37	79	84	92	95	97	104	105	101	104	98	88	79	105
N. Dak.	Bismarck	62	68	81	93	96	100	109	109	106	95	75	65	109	
Ohio	Cincinnati	20	68	73	83	89	93	97	100	102	98	88	80	70	102
	Cleveland	40	73	88	83	88	92	101	103	102	101	90	82	69	103
	Columbus	42	74	73	85	89	94	102	100	100	100	90	80	72	102
Okla.	Oklahoma City	29	79	84	93	100	98	105	108	110	102	96	87	86	110
Oreg.	Portland	41	62	70	80	87	92	100	107	107	101	90	73	64	107
Pa.	Philadelphia	40	74	74	87	94	100	104	101	100	91	81	72	104	
	Pittsburgh	29	66	69	80	87	91	96	99	97	87	82	72	99	
R.I.	Providence	28	68	72	78	96	94	98	100	104	97	86	78	69	104
S.C.	Columbia	34	84	84	91	94	101	107	107	106	101	101	90	83	107
S. Dak.	Sioux Falls	38	66	70	87	94	100	101	106	108	104	94	78	61	106
Tenn.	Memphis	40	78	81	85	91	98	104	106	105	103	95	86	76	108
	Nashville	42	78	84	86	90	97	106	107	104	105	94	84	76	107
Tex.	Dallas-Fort Worth	28	88	88	96	95	99	113	110	108	105	102	99	113	
	El Paso	80	83	88	96	104	111	112	108	103	96	84	80	112	
	Houston	12	84	90	92	95	103	104	107	100	94	83	107		
	Salt Lake City	53	61	89	78	85	104	107	104	100	89	75	67	107	
Vt.	Burlington	38	63	82	84	91	93	98	99	101	94	85	75	62	101
Va.	Norfolk	33	78	81	85	97	97	101	103	104	95	86	80	104	
	Richmond	52	80	83	93	96	100	104	105	102	103	99	86	80	105
Wash.	Seattle-Tacoma	37	64	70	72	85	93	98	99	99	82	74	63	99	
	Spokane	34	59	61	71	80	92	100	103	108	96	86	67	56	106
W. Va.	Charleston	34	79	78	87	91	93	98	102	100	92	80	102		
Wis.	Milwaukee	41	82	65	81	91	92	99	101	100	96	89	77	63	101
Wyo.	Cheyenne	48	65	71	73	82	90	100	100	96	83	83	73	100	
P.R.	San Juan	27	81	92	94	94	96	95	95	97	98	96	91	96	

*City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

NO. 372. LOWEST TEMPERATURE OF RECORD—SELECTED CITIES

[In Fahrenheit degrees. Airport data unless otherwise noted. For period of record through 1990]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Mobile	40	7	11	21	30	43	56	60	59	42	32	22	10	7
Alaska	Juneau	36	-22	-22	-15	6	25	31	36	27	23	12	-5	-21	-22
Ariz.	Phoenix	44	17	22	25	32	40	50	61	60	47	34	25	22	17
Ark.	Little Rock	40	4	5	11	20	40	46	54	52	37	30	17	-1	-5
Calif.	Los Angeles	48	23	32	34	39	43	48	49	61	47	41	34	32	23
	Sacramento	31	23	26	26	32	36	41	49	49	43	36	26	20	20
	San Francisco	64	24	25	30	31	36	41	43	42	38	34	25	20	20
Colo.	Denver	47	-25	-30	-11	-2	22	30	43	41	20	3	8	-18	-30
Conn.	Hartford	27	-26	21	-6	9	26	37	44	36	30	17	12	-14	-26
Del.	Wilmington	34	-4	-6	6	22	30	41	50	46	36	24	14	2	-6
D.C.	Washington	40	2	4	11	24	34	47	55	51	39	29	16	1	1
Fla.	Jacksonville	40	13	19	23	35	45	55	61	64	48	36	21	12	12
	Miami	39	31	32	32	46	53	65	69	66	69	61	39	34	31
Ga.	Atlanta	33	-3	5	10	26	37	46	53	56	36	26	3	1	3
Hawaii	Honolulu	12	53	53	55	59	62	65	67	67	66	64	58	54	59
Idaho	Boise	42	-17	-12	6	19	26	33	40	37	23	11	3	-23	23
Ill.	Chicago	23	-20	-17	8	13	24	36	40	41	26	17	1	-17	-20
	Peoria	42	-25	-16	-10	17	25	39	47	43	26	19	-2	-18	-25
Ind.	Indianapolis	42	-20	-19	-7	16	26	39	44	41	26	17	-2	-15	-20
Iowa	Des Moines	42	-24	20	-22	9	30	36	47	40	26	14	-3	-16	-24
Kans.	Wichita	26	-12	-7	-2	15	31	43	51	48	35	21	1	-5	12
Ky.	Louisville	34	20	19	-1	24	31	42	50	49	33	22	-1	-9	-20
La.	New Orleans	35	14	19	25	32	41	55	60	60	42	35	24	17	14
Maine	Portland	41	-26	-39	-21	8	23	35	40	33	23	15	6	21	39
Md.	Baltimore	31	-7	-3	6	20	32	40	51	48	35	25	13	0	-7
Mass.	Boston	30	-12	-4	6	17	34	46	54	47	38	26	17	-7	-12
Mich.	Detroit	48	-13	-16	-1	14	30	38	42	43	32	24	5	-5	-16
	Sault Ste. Marie	41	32	-35	-24	1	16	26	36	32	25	16	-10	-25	-35
Minn.	Duluth	40	-39	-32	-26	-5	17	27	36	33	22	8	-23	-33	39
	Minneapolis-St. Paul	43	-34	26	-32	2	16	34	43	39	26	15	-17	-24	-34
Miss.	Jackson	18	8	11	15	30	38	49	51	55	38	30	17	14	6
Mo.	Kansas City	9	13	13	10	12	30	49	52	50	38	21	1	-13	-13
	St. Louis	24	-14	-10	-5	22	31	43	51	47	36	23	1	10	-14
Mont.	Great Falls	44	37	35	-29	6	15	31	40	35	23	-3	-23	-43	43
Nebr.	Omaha	45	-22	-21	16	5	27	39	44	43	30	13	-9	-17	-22
Nev.	Reno	40	-16	-12	-2	13	18	25	33	24	20	8	1	-16	-16
N.H.	Concord	40	30	37	16	8	21	30	35	29	21	10	-1	-22	37
N.J.	Atlantic City	36	-10	-11	5	12	25	37	46	40	32	23	11	-7	-11
N. Mex.	Albuquerque	42	17	5	8	19	26	40	54	52	37	25	-7	3	17
N.Y.	Albany	35	-26	-21	-21	10	26	36	40	37	24	16	5	22	-26
	Buffalo	39	12	20	5	12	26	35	43	38	32	20	9	10	20
	New York ¹	113	-6	-15	3	12	32	44	52	50	39	26	5	-13	15
N.C.	Charlotte	42	3	5	4	24	32	45	53	53	39	24	11	2	-3
	Raleigh	37	-1	5	11	23	31	36	46	46	36	19	11	4	1
N. Dak.	Bismarck	42	44	37	31	-12	15	30	35	33	11	5	-29	-43	-44
Ohio	Cincinnati	20	25	10	11	17	27	39	47	43	33	16	1	-11	-25
	Cleveland	40	-19	-15	-5	10	25	31	41	41	32	22	3	-11	-19
	Columbus	42	-19	13	-2	16	25	35	43	39	31	20	5	-10	-19
Okla.	Oklahoma City	28	-4	-3	3	20	37	47	53	51	37	22	11	1	4
Orag.	Portland	41	-2	-3	19	29	29	39	43	44	34	26	13	6	-3
Pa.	Philadelphia	40	6	-4	7	24	28	44	51	45	35	25	15	1	-5
	Pittsburgh	29	-16	-12	-1	15	26	34	42	40	31	16	-1	-7	-16
R.I.	Providence	28	-13	-7	1	14	29	41	49	40	33	20	14	-10	-13
S.C.	Columbia	34	5	5	4	29	34	45	54	53	40	23	12	4	4
S. Dak.	Sioux Falls	36	-36	-31	-23	5	17	33	38	34	22	9	-17	-26	-36
Tenn.	Memphis	46	-4	-11	12	29	36	48	52	48	36	25	9	-13	-13
	Nashville	42	-15	-13	2	24	34	42	51	47	36	26	-1	-7	-15
Tex.	Dallas-Ft. Worth	28	4	9	15	30	41	51	59	56	45	29	20	10	4
	El Paso	42	-6	8	14	24	31	46	57	56	41	25	1	5	6
	Houston	12	17	20	22	31	44	52	62	62	48	33	19	20	17
Utah	Salt Lake City	63	-22	-30	2	14	25	35	40	37	27	16	-14	-21	30
Vt.	Burlington	36	-30	-30	-20	2	24	33	39	35	25	15	-2	-26	-30
Va.	Norfolk	33	5	6	16	26	36	45	54	52	45	27	20	14	5
	Richmond	62	-12	-10	11	25	31	40	51	46	35	21	10	-1	-12
Wash.	Seattle-Tacoma	37	0	1	11	29	26	36	43	44	35	26	6	6	0
	Spokane	34	-22	-17	-3	17	24	34	37	35	25	13	-11	-25	-25
W. Va.	Charleston	34	-12	-6	0	19	26	33	46	41	34	17	8	-2	-12
Wis.	Milwaukee	41	24	19	10	13	21	33	40	44	28	18	5	-15	-24
Wyo.	Cheyenne	46	27	34	21	8	16	25	36	36	18	2	-13	-24	-34
P.R.	San Juan	27	61	62	60	64	66	69	69	70	66	67	66	63	60

¹ City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

NO. 373. NORMAL MONTHLY AND ANNUAL PRECIPITATION—SELECTED CITIES

(In inches. Airport data except as noted. Based on standard 30-year period, 1941 through 1970. See *Historical Statistics, Colonial Times to 1970*, series J 164-267, for related data.)

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Mobile	4.71	4.76	7.07	5.59	4.52	8.08	8.85	6.93	6.59	2.55	3.39	5.82	66.86
Alaska	Juneau	8.94	3.44	3.57	2.96	3.31	2.93	4.99	5.00	6.90	7.85	5.53	4.52	54.87
Ariz.	Phoenix	.71	.60	.76	.32	.14	.12	.75	1.22	.89	.46	.46	.82	7.05
Ark.	Little Rock	4.24	4.42	4.93	5.25	5.30	3.36	3.01	3.55	2.99	3.86	4.09	4.09	48.52
Calif.	Los Angeles	2.52	2.32	1.71	1.10	.08	.03	.01	.02	.07	.22	1.76	1.75	11.58
	Sacramento	3.73	2.86	2.17	1.54	.51	.10	.01	.05	.19	.99	2.13	3.12	17.22
	San Francisco	4.37	3.04	2.54	1.59	.41	.13	.01	.03	.16	.98	2.29	3.98	19.53
Colo.	Denver	.81	.87	1.21	1.93	2.84	1.93	1.78	1.29	1.13	1.13	.76	.43	15.51
Conn.	Hartford	3.28	3.17	3.82	3.75	3.50	3.53	3.41	3.84	3.55	3.03	4.33	4.06	43.37
Del.	Wilmington	2.85	2.75	3.74	3.20	3.35	3.24	4.31	3.96	3.42	2.80	3.49	3.32	40.25
D.C.	Washington	2.82	2.45	3.33	2.86	3.68	3.48	4.12	4.67	3.08	2.86	2.90	3.04	38.88
Fla.	Jacksonville	2.78	3.56	3.58	3.07	3.22	6.27	7.35	7.89	7.83	4.54	1.79	2.59	54.47
	Miami	2.16	1.95	2.07	3.80	6.12	8.00	6.91	6.72	6.74	8.18	2.72	1.64	58.80
Ga.	Atlanta	4.34	4.41	5.84	4.61	3.71	3.67	4.90	3.54	3.15	2.50	3.43	4.24	48.34
Hawaii	Honolulu	4.40	2.45	3.18	1.38	.96	.32	.60	.76	.87	1.51	2.89	3.89	22.90
Idaho	Boise	1.47	1.16	1.01	1.14	1.32	1.08	.15	.30	.41	.80	1.32	1.36	11.50
Ill.	Chicago	1.70	1.30	2.52	3.38	3.41	4.15	3.46	2.79	3.01	2.32	2.10	1.84	31.72
	Peoria	1.82	1.50	2.80	4.38	3.87	3.91	3.78	3.07	3.55	2.51	2.02	1.89	35.06
Ind.	Indianapolis	2.86	2.36	3.75	3.87	4.08	4.18	3.67	2.80	2.87	2.51	3.10	2.71	38.74
Iowa	Des Moines	1.14	1.05	2.31	2.94	4.21	4.90	3.28	3.30	3.07	2.14	1.42	1.09	30.85
Kans.	Wichita	.65	.96	1.78	2.96	3.80	4.48	4.35	3.10	3.89	2.60	1.17	1.12	30.58
Ky.	Louisville	3.53	3.47	5.05	4.10	4.20	4.05	3.76	2.99	2.94	2.35	3.33	3.34	43.11
La.	New Orleans	4.53	4.82	5.49	4.15	4.20	4.74	6.72	5.27	5.56	2.28	3.85	5.13	66.77
Maine	Portland	3.38	3.52	3.80	3.34	3.33	3.19	2.81	2.80	3.09	3.31	4.86	4.08	40.89
Md.	Baltimore	2.91	2.81	3.89	3.07	3.81	3.77	4.07	4.21	3.12	2.61	3.13	3.26	40.46
Mass.	Boston	3.69	3.54	4.01	3.49	3.47	3.19	2.74	3.46	3.16	3.02	4.51	4.24	42.82
Mich.	Detroit	1.93	1.80	2.33	3.08	3.43	3.04	2.99	3.04	2.30	2.52	2.31	2.19	30.88
	South St. Marie	1.92	1.48	1.74	2.22	3.01	3.31	2.80	3.10	3.85	2.85	3.26	2.36	31.70
Minn.	Duluth	1.16	.86	1.76	2.55	3.41	4.44	3.73	3.79	3.08	2.30	1.73	1.40	30.18
	Minneapolis-St. Paul	.73	.84	1.68	2.04	3.37	3.94	3.69	3.05	2.73	1.79	1.20	.89	25.94
Miss.	Jackson	4.53	4.82	5.83	4.85	4.38	3.40	4.27	3.59	2.99	2.22	3.87	5.04	49.19
Mo.	Kansas City	1.25	1.25	2.55	3.50	4.26	5.55	4.37	3.81	4.21	3.24	1.47	1.52	37.00
	St. Louis	1.85	2.08	3.03	3.92	3.86	4.42	3.89	2.87	2.89	2.79	2.47	2.04	35.89
Mont.	Great Falls	.88	.76	.97	1.18	2.37	3.11	1.27	1.09	1.17	.88	.81	.71	14.99
Nebr.	Omaha	.76	.86	1.59	2.97	4.11	4.94	3.71	3.97	3.27	1.93	1.11	.84	30.18
Nev.	Reno	1.21	.86	.70	.47	.86	.40	.26	.22	.23	.42	.68	1.09	7.20
N.H.	Concord	2.87	2.45	2.77	2.92	3.02	3.14	2.89	3.06	2.88	3.86	3.26	3.26	38.17
N.J.	Atlantic City	3.56	3.37	4.31	3.37	3.54	3.38	4.36	4.90	2.99	3.48	4.21	4.01	45.46
N. Mex.	Albuquerque	.30	.39	.47	.48	.63	.50	1.39	1.34	.77	.79	.29	.52	7.77
N.Y.	Albany	2.20	2.11	2.58	2.70	3.26	3.00	3.12	2.87	3.12	2.63	2.84	2.93	33.36
	Buffalo	2.90	2.55	2.85	3.15	2.97	2.23	2.93	3.53	3.25	3.01	3.74	3.00	36.11
	New York	2.71	2.92	3.73	3.30	3.47	2.98	3.86	4.01	3.27	2.85	3.76	3.53	40.19
N.C.	Charlotte	3.51	3.83	4.52	3.40	2.90	3.70	4.57	3.98	3.46	2.89	2.74	3.44	42.72
	Raleigh	3.22	3.32	3.44	3.07	3.32	3.67	5.06	4.93	3.75	2.81	2.82	3.08	42.54
N. Dak.	Bismarck	.51	.44	.73	1.44	2.17	3.58	2.20	1.98	1.32	.80	.56	.45	15.16
Ohio	Cincinnati	3.34	3.04	4.09	3.64	3.74	3.81	4.12	2.62	2.55	2.15	3.08	2.86	39.04
	Cleveland	2.56	2.18	3.05	3.49	3.49	3.28	3.45	3.00	2.60	2.57	2.76	2.36	34.89
	Columbus	2.87	2.32	3.44	3.71	4.10	4.13	4.21	2.86	2.41	1.89	2.88	2.39	37.01
Ola.	Oklahoma City	1.11	1.32	2.05	3.47	5.20	4.22	2.86	2.58	3.55	2.57	1.40	1.26	31.37
Oreg.	Portland	5.88	4.06	3.84	2.22	2.09	1.59	.47	.82	1.60	3.59	5.61	6.04	37.61
Pa.	Philadelphia	2.81	2.62	3.89	3.28	3.35	3.70	4.09	4.11	3.03	2.53	3.39	3.32	38.93
	Pittsburgh	2.79	2.35	3.80	3.40	3.83	3.48	3.84	3.16	2.52	2.52	2.47	2.48	36.23
RJ.	Providence	3.52	3.45	3.99	3.72	3.49	2.85	2.85	3.80	3.26	3.27	4.52	4.13	42.75
S.C.	Columbia	3.44	3.67	4.67	3.51	3.35	3.82	5.65	5.63	4.32	2.58	2.94	3.36	45.38
S. Dak.	Sioux Falls	.57	1.04	1.40	2.30	3.37	4.32	2.94	2.84	2.85	1.50	.85	.74	24.72
Tenn.	Memphis	4.89	4.73	5.10	5.42	4.39	3.48	3.53	3.33	3.01	2.58	3.82	4.70	49.10
	Nashville	4.75	4.43	5.00	4.11	4.10	3.38	3.83	3.24	3.09	2.18	3.46	4.45	46.00
Tex.	Dallas-Fort Worth	1.80	2.36	2.54	4.30	4.47	3.05	1.84	2.28	3.15	2.88	2.03	1.82	32.30
	El Paso	.39	.42	.39	.24	.22	.60	1.53	1.12	1.18	.78	.32	.50	7.77
	Houston	3.57	3.54	2.89	3.54	5.10	4.52	4.12	4.35	4.65	4.05	4.03	4.04	48.19
Utah	Salt Lake City	1.27	1.19	1.63	2.12	1.49	1.30	.70	.93	.88	1.14	1.31	1.19	15.17
Vt.	Burlington	1.74	1.86	1.93	2.62	1.91	3.48	3.54	3.72	3.05	2.74	2.86	2.19	32.54
Va.	Norfolk	3.35	3.31	3.42	2.71	3.34	3.62	5.70	5.92	4.20	3.05	2.84	3.11	44.88
	Richmond	2.88	3.01	3.38	2.77	3.42	3.52	5.63	5.06	3.58	2.94	3.20	3.22	42.58
Wash.	Seattle-Tacoma	5.79	4.19	3.81	2.48	1.70	1.53	.71	1.08	1.99	3.91	5.88	5.94	38.79
	Spokane	2.47	1.88	1.63	1.12	1.46	1.38	.40	.58	.83	1.42	2.20	2.37	17.42
W. Va.	Charleston	3.29	3.11	4.03	3.33	3.48	3.31	5.04	3.89	2.94	2.45	2.81	3.18	40.75
Wis.	Milwaukee	1.83	1.13	2.24	2.78	2.88	3.58	3.41	2.88	3.02	1.98	2.01	1.75	29.07
Wyo.	Cheyenne	.48	.46	1.05	1.57	2.52	2.41	1.82	1.45	1.03	.95	.58	.35	14.85
P.R.	San Juan	3.73	2.60	2.04	3.40	5.54	5.64	6.41	5.98	6.07	5.64	5.49	4.71	59.15

¹City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81.

NO. 374. AVERAGE NUMBER OF DAYS WITH PRECIPITATION OF .01 INCH OR MORE—SELECTED CITIES

[Airport data, except as noted. For period of record through 1980]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Mobile	40	11	10	11	7	6	11	17	14	11	8	8	11	125
Alaska	Juneau	38	18	17	18	17	17	16	17	17	20	24	20	21	222
Ariz.	Phoenix	42	4	4	3	2	1	1	4	5	3	3	2	4	36
Ark.	Little Rock	39	10	9	10	10	10	8	9	7	7	8	8	9	103
Calif.	Los Angeles	46	6	6	6	3	1	(Z)	1	(Z)	1	2	3	5	34
	Sacramento	42	10	9	8	6	3	1	(Z)	(Z)	1	3	7	8	67
	San Francisco	54	11	10	9	6	3	1	(Z)	(Z)	1	4	7	10	62
Colo.	Denver	47	6	6	9	9	11	9	9	9	6	5	6	6	89
Conn.	Hartford	27	11	11	11	11	11	11	10	10	10	8	11	12	127
Del.	Wilmington	34	11	9	11	11	12	10	9	9	6	8	9	10	117
D.C.	Washington	40	10	9	11	10	11	9	10	9	6	7	8	9	111
Fla.	Jacksonville	40	8	8	8	6	9	12	15	14	13	8	8	8	115
	Miami	39	7	6	6	6	11	15	18	17	17	15	8	8	129
Ga.	Atlanta	47	12	10	12	9	9	10	12	9	8	8	8	10	115
Hawaii	Honolulu	32	10	10	9	9	7	6	6	6	7	9	9	10	100
Idaho	Boise	42	12	10	9	5	6	5	2	3	4	6	10	12	80
Ill.	Chicago	23	11	10	13	13	11	10	10	9	10	9	10	11	127
	Peoria	42	9	8	11	12	12	10	9	8	9	7	9	10	114
Ind.	Indianapolis	42	12	10	13	12	12	10	9	9	8	8	10	11	124
Iowa	Des Moines	42	7	7	10	10	11	11	9	9	8	7	8	8	103
Kans.	Wichita	28	6	5	7	6	11	9	6	7	8	6	6	6	85
Ky.	Louisville	34	12	11	13	12	11	10	11	8	8	7	10	11	124
La.	New Orleans	33	10	9	9	7	8	10	15	13	10	5	7	10	113
Maine	Portland	41	11	10	11	12	12	11	9	9	8	9	12	12	128
Md.	Baltimore	31	10	9	11	11	11	9	9	10	7	7	9	9	112
Mass.	Boston	30	12	11	12	11	11	10	9	10	9	9	11	12	127
Mich.	Detroit	35	13	12	13	12	12	11	9	9	9	9	11	13	133
	Sault Ste. Marie	40	19	15	13	11	11	12	10	11	13	13	17	19	184
Minn.	Duluth	40	12	10	11	11	12	13	11	11	11	9	11	12	134
	Minneapolis-St. Paul	43	9	7	10	10	11	12	10	10	9	8	8	9	113
Miss.	Jackson	18	11	9	11	9	10	8	11	10	9	8	8	10	112
Mo.	Kansas City	9	8	6	10	11	11	9	7	8	8	7	7	7	100
	St. Louis	24	9	8	11	11	11	9	9	8	8	8	9	9	110
Mont.	Great Falls	44	9	8	9	9	12	12	7	7	7	8	7	7	100
Nebr.	Omaha	45	7	7	9	9	11	10	9	9	8	6	5	8	96
Nev.	Reno	39	6	6	6	4	5	3	3	2	2	3	6	6	51
N.H.	Concord	40	11	10	11	11	12	11	10	10	9	9	11	11	126
N.J.	Atlantic City	38	11	10	11	11	10	9	9	9	8	7	9	10	114
N. Mex.	Albuquerque	42	4	4	4	3	4	4	9	8	5	5	3	4	56
N.Y.	Albany	35	12	11	12	12	13	11	11	10	10	9	12	12	135
	Buffalo	39	20	17	18	14	12	10	10	11	11	11	16	20	168
	New York ¹	113	11	10	11	11	11	10	10	10	8	8	9	10	119
N.C.	Charlotte	42	10	10	11	9	10	10	11	10	7	7	7	10	112
	Raleigh	37	10	10	10	9	10	9	11	10	8	7	8	9	111
N. Dak.	Bismarck	42	8	7	8	8	10	12	9	8	7	5	6	6	96
Ohio	Cincinnati	34	12	11	13	13	11	11	10	9	8	8	11	12	129
	Cleveland	40	15	14	15	14	13	11	10	10	10	11	14	16	155
	Columbus	42	13	12	14	13	13	11	11	9	8	9	11	12	136
Okla.	Oklahoma City	42	5	6	7	6	10	8	7	8	7	6	6	6	80
Oreg.	Portland	41	19	16	17	14	12	9	4	5	6	13	18	19	154
Pa.	Philadelphia	41	11	9	11	11	11	10	9	9	8	8	9	10	116
	Pittsburgh	29	15	14	15	13	12	11	11	10	9	10	13	18	151
R.I.	Providence	29	11	10	11	11	11	11	9	10	8	8	11	12	123
S.C.	Columbia	34	10	10	11	6	9	10	11	11	8	8	7	9	110
S. Dak.	Sioux Falls	38	6	7	8	9	10	11	9	9	6	6	6	6	85
Tenn.	Memphis	31	10	9	11	10	8	8	9	8	7	8	8	10	105
	Nashville	40	11	11	12	11	11	10	10	8	8	7	9	11	120
Tex.	Dallas-Fort Worth	28	7	7	7	6	9	6	5	5	7	6	6	6	79
	El Paso	42	4	3	2	2	2	3	6	7	5	4	3	4	47
	Houston	12	11	7	10	7	6	8	10	10	10	7	8	8	104
Utah	Salt Lake City	53	10	9	10	10	6	5	4	5	5	6	7	9	88
Vt.	Burlington	36	14	12	13	12	13	12	12	12	12	11	14	15	152
Va.	Norfolk	33	10	10	11	10	10	9	11	10	8	8	8	9	114
	Richmond	44	10	9	11	9	11	9	11	10	6	7	8	9	112
Wash.	Seattle-Tacoma	37	19	18	17	14	10	9	5	7	9	14	18	20	158
	Spokane	34	15	12	11	6	9	8	4	5	6	8	12	16	114
W. Va.	Charleston	34	16	14	15	14	13	11	13	11	9	10	12	14	152
Wis.	Milwaukee	41	11	10	12	12	12	11	10	9	9	9	10	11	125
Wyo.	Cheyenne	46	6	6	9	9	12	11	11	10	7	5	6	5	87
P.R.	San Juan	26	17	13	12	14	17	16	19	19	17	17	18	19	196

Z Less than 1/2 day. ¹City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Comprehensive Climatic Data*, annual.

NO. 375. AVERAGE TOTAL SNOW AND ICE PELLETS—SELECTED CITIES

[In inches. Airport data, except as noted. For period of record through 1980. T denotes trace]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Mobile	40	0.1	0.2	T	-	-	-	-	-	-	-	T	0.1	0.4
Alaska	Juneau	38	24.8	20.1	17.2	4.3	0.1	T	-	-	T	1.2	11.4	24.7	103.8
Ariz.	Phoenix	44	T	T	T	T	-	-	-	-	-	-	-	T	T
Ark.	Little Rock	39	2.3	1.4	0.5	T	-	-	-	-	-	-	0.3	0.8	5.3
Calif.	Los Angeles	46	T	T	-	-	-	-	-	-	-	-	-	T	T
	Sacramento	33	T	0.1	-	-	-	-	-	-	-	-	-	T	0.1
	San Francisco	54	T	T	T	-	-	-	-	-	-	-	-	T	T
Colo.	Denver	47	8.0	7.7	13.0	9.3	1.8	T	-	-	1.8	3.7	7.9	8.5	89.5
Conn.	Hartford	27	11.9	12.1	11.1	1.5	T	-	-	-	-	0.1	1.9	11.9	50.5
Del.	Wilmington	34	8.2	6.2	3.8	0.1	T	-	-	-	-	0.1	1.0	3.8	21.0
D.C.	Washington	38	4.9	5.4	2.4	T	T	-	-	-	-	T	0.7	3.4	16.8
Fla.	Jacksonville	40	T	T	T	-	-	-	-	-	-	-	-	T	T
	Miami	38	-	-	-	-	-	-	-	-	-	-	-	-	-
Ga.	Atlanta	47	0.8	0.5	0.3	T	-	-	-	-	-	-	T	0.2	1.6
Hawaii	Honolulu	36	-	-	-	-	-	-	-	-	-	-	-	-	-
Idaho	Boise	42	7.3	3.8	1.9	0.7	0.1	T	T	-	-	0.1	1.9	5.3	21.1
Ill.	Chicago	23	10.7	8.1	7.2	1.7	0.1	-	-	-	T	0.4	2.3	9.3	39.8
	Peoria	38	8.5	5.0	4.5	0.7	T	-	-	-	-	0.1	2.3	6.0	25.1
Ind.	Indianapolis	50	8.0	5.4	3.8	0.6	T	-	-	-	-	T	2.1	4.9	22.5
Iowa	Des Moines	42	8.4	7.2	6.6	1.7	T	-	-	-	T	0.3	2.6	8.4	35.2
Kans.	Wichita	■	4.4	4.2	2.7	0.3	-	-	-	-	-	T	0.9	2.8	15.3
Ky.	Louisville	34	8.2	4.3	3.8	0.1	-	-	-	-	-	T	1.4	2.2	18.0
La.	New Orleans	35	T	0.1	T	-	-	-	-	-	-	-	T	0.1	0.2
Maine	Portland	41	18.0	16.4	13.1	2.8	0.2	-	-	-	T	0.3	3.8	16.9	73.0
Md.	Baltimore	31	5.3	6.7	4.5	T	T	-	-	-	-	T	1.1	3.8	21.5
Mass.	Boston	48	12.4	11.7	7.8	0.7	T	-	-	-	-	T	1.2	8.1	41.8
Mich.	Detroit	■	7.9	7.7	5.4	1.1	T	-	-	-	-	T	2.5	7.1	31.7
	Sault Ste. Marie	40	27.0	19.6	15.0	5.0	0.6	T	-	-	0.1	2.5	14.9	26.1	112.8
Minn.	Duluth	38	16.7	12.1	13.7	8.5	0.9	T	-	T	T	1.1	9.9	15.3	78.2
	Minneapolis-St. Paul	43	9.2	8.4	10.4	2.6	0.2	-	-	-	T	0.4	8.2	8.8	46.3
Miss.	Jackson	■	0.5	0.2	0.3	T	-	-	-	-	-	-	T	T	1.0
Mo.	Kansas City	47	5.9	4.1	3.9	0.7	T	-	-	-	-	T	1.0	4.4	20.0
	St. Louis	45	5.2	4.4	4.8	0.3	T	-	-	-	-	T	1.5	3.7	19.7
Mont.	Great Falls	44	10.0	8.4	9.7	7.2	1.3	0.4	T	-	1.2	3.1	7.2	8.5	67.9
Nebr.	Omaha	48	8.2	7.1	6.8	0.9	0.1	-	-	-	T	0.4	2.3	5.6	31.2
Nev.	Reno	39	6.1	5.2	5.0	1.5	1.0	T	-	-	T	0.3	1.7	4.7	25.5
N.H.	Concord	40	17.8	15.1	11.1	2.1	0.2	-	-	-	-	0.1	4.0	14.4	64.8
N.J.	Atlantic City	37	5.1	5.5	3.0	0.2	T	-	-	-	-	T	0.4	2.2	16.4
N. Mex.	Albuquerque	42	2.3	2.0	2.0	0.5	T	-	-	-	T	T	1.2	2.7	10.7
N.Y.	Albany	35	15.8	14.6	11.3	2.5	0.1	-	-	-	-	0.1	4.5	16.3	85.0
	Buffalo	■	23.8	18.0	11.9	3.1	0.1	-	-	-	T	0.3	12.4	22.4	92.0
	New York ¹	113	7.6	6.7	5.2	0.9	T	-	-	-	-	T	0.9	5.7	29.0
N.C.	Charlotte	42	2.0	1.7	1.3	T	-	-	-	-	-	-	0.1	0.6	5.7
	Raleigh	37	2.5	2.5	1.5	T	-	-	-	-	-	-	0.2	0.9	7.8
N. Dak.	Bismarck	42	7.0	5.4	7.8	3.6	1.0	T	-	-	0.2	1.2	5.1	6.7	39.0
Ohio	Cincinnati	34	7.8	5.3	4.8	0.4	T	-	-	-	-	0.1	2.6	3.9	24.9
	Cleveland	40	11.8	11.3	9.7	1.9	0.1	-	-	-	T	0.6	5.5	11.8	52.7
	Columbus	34	8.6	■	4.8	0.7	T	-	-	-	T	T	2.6	5.8	28.8
Okla.	Oklahoma City	42	2.8	2.5	1.6	T	-	-	-	-	-	T	0.5	1.5	8.9
Oreg.	Portland	41	4.1	0.7	0.5	T	T	T	-	-	T	T	0.5	1.4	7.2
Pa.	Philadelphia	39	8.2	6.5	4.0	0.2	T	-	-	-	-	0.1	0.7	3.9	21.6
	Pittsburgh	29	12.4	10.1	8.8	1.4	0.2	-	-	-	-	0.2	4.0	8.4	45.3
R.I.	Providence	28	9.7	10.1	8.5	0.6	0.3	-	-	-	-	0.2	0.6	7.3	37.3
S.C.	Columbia	34	0.3	1.0	0.3	-	-	-	-	-	-	-	T	0.3	1.9
S. Dak.	Sioux Falls	36	6.3	6.6	9.8	1.5	T	-	-	-	T	0.5	4.3	7.2	36.4
Tenn.	Memphis	31	2.1	1.4	1.1	T	-	-	-	-	-	-	0.1	0.6	5.5
	Nashville	40	4.2	3.2	1.7	0.1	-	-	-	-	-	-	0.6	1.8	11.6
Tex.	Dallas-Fort Worth	28	1.5	1.2	0.3	-	-	-	-	-	-	-	0.2	0.2	3.4
	El Paso	42	1.4	0.8	0.4	T	-	-	-	-	-	T	1.1	0.8	4.6
	Houston	47	0.2	0.2	T	-	-	-	-	-	-	-	T	T	0.4
Utah	Salt Lake City	■	13.4	9.6	10.4	4.8	0.8	T	-	-	0.1	1.1	6.3	11.7	56.0
Vt.	Burlington	36	18.4	17.0	12.3	3.5	0.2	-	-	-	T	0.2	7.2	19.7	78.5
Va.	Norfolk	33	3.1	2.8	1.3	T	-	-	-	-	-	-	T	1.1	6.3
	Richmond	44	5.1	3.8	3.0	0.1	-	-	-	-	-	T	0.4	2.0	14.4
Wash.	Seattle-Tacoma	37	6.3	1.5	1.5	0.1	T	-	T	-	T	0.1	1.1	2.8	13.5
	Spokane	34	17.8	7.4	4.4	0.5	0.1	T	-	-	-	0.5	5.7	15.0	51.4
W. Va.	Charleston	34	10.4	8.4	4.9	0.3	T	-	-	-	-	0.2	2.6	5.0	31.8
Wis.	Milwaukee	41	12.8	9.6	9.0	1.7	T	-	-	-	T	0.1	3.1	10.5	48.8
Wyo.	Cheyenne	46	6.4	5.8	12.0	8.7	3.7	0.3	-	-	0.8	3.3	6.5	5.8	52.7
P.R.	San Juan	26	-	-	-	-	-	-	-	-	-	-	-	-	-

- Represents zero. ¹ City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Comprehensive Climatic Data*, annual.

NO. 376. AVERAGE PERCENTAGE OF POSSIBLE SUNSHINE—SELECTED CITIES

[Airport data, except as noted. For period of record through 1980, except as noted]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Montgomery	30	47	54	58	65	65	67	63	66	62	67	66	50	59
Alaska	Juneau ¹	33	32	32	37	39	39	34	31	32	26	19	23	20	32
Ariz.	Phoenix	66	77	80	83	86	93	94	85	85	88	88	84	77	86
Ark.	Little Rock ²	32	46	54	57	62	66	73	71	73	68	66	56	46	64
Calif.	Los Angeles ³	32	69	72	73	70	66	65	62	63	79	73	74	71	73
	Sacramento	32	45	61	72	80	87	92	87	96	93	84	64	47	79
	San Francisco ⁴	36	56	62	69	73	72	73	66	65	72	70	82	63	67
Colo.	Denver	31	72	71	71	67	65	71	71	73	75	73	65	68	70
Conn.	Hartford	26	58	59	57	57	58	60	63	62	59	57	46	50	56
Del.	Wilmington ⁵	36	50	54	56	57	57	62	62	60	59	59	52	50	67
D.C.	Washington	32	46	53	56	58	59	65	63	63	62	60	52	48	56
Fla.	Jacksonville	29	57	61	67	72	69	63	61	59	54	58	61	56	62
	Key West	21	73	78	83	84	81	74	77	77	71	70	71	72	76
Ga.	Atlanta	45	47	54	57	66	68	67	63	65	63	68	60	51	61
Hawaii	Honolulu	26	62	63	66	67	69	70	73	75	75	68	61	59	66
Idaho	Boise ¹	36	41	51	63	67	71	75	66	65	61	66	45	39	67
Ill.	Chicago	37	44	47	51	54	62	67	70	68	64	60	41	36	57
	Peoria	37	46	50	51	55	59	66	66	66	65	62	45	41	57
Ind.	Indianapolis ¹	36	41	50	51	55	62	67	67	70	67	63	42	40	56
Iowa	Des Moines	30	50	53	54	55	60	66	72	70	65	63	50	45	60
Kans.	Wichita	27	58	59	61	63	65	70	75	74	67	68	59	59	66
Ky.	Louisville	33	42	46	49	55	61	65	66	67	65	62	47	41	67
La.	New Orleans	7	44	56	54	64	68	68	56	59	59	72	56	56	59
Maine	Portland	40	58	69	66	58	56	60	64	64	62	58	47	53	58
Md.	Baltimore	30	51	56	56	56	56	62	64	62	60	59	51	49	57
Mass.	Boston	45	53	57	57	57	59	64	66	66	64	61	51	53	60
Mich.	Detroit ¹	32	32	43	49	52	59	65	70	65	61	56	35	32	54
	Sault Ste. Marie	39	36	46	54	55	57	58	63	58	46	40	23	27	46
Minn.	Duluth	30	49	54	56	54	56	58	66	61	52	47	35	40	54
	Minneapolis-St. Paul	42	51	56	55	59	59	63	71	67	61	57	39	40	58
Miss.	Jackson	19	45	55	58	62	60	70	62	63	58	68	54	49	59
Mo.	Kansas City	9	59	57	64	72	70	76	77	70	65	66	53	56	67
	St. Louis	21	52	52	54	58	62	66	71	65	64	63	46	44	59
Mont.	Great Falls	36	46	56	65	61	63	65	60	78	66	61	46	44	63
Nebr.	Omaha	44	54	54	55	58	61	66	74	71	68	67	52	49	62
Nev.	Reno	37	66	68	76	81	82	85	83	83	92	84	71	64	81
N.H.	Concord	39	51	55	52	53	55	58	63	60	56	54	42	47	56
N.J.	Atlantic City	20	49	52	53	55	54	58	60	63	59	56	48	44	56
N. Mex.	Albuquerque	41	72	73	73	77	79	83	76	78	80	80	77	72	77
N.Y.	Albany	42	45	51	52	53	55	59	63	60	56	51	36	39	53
	Buffalo	37	33	39	46	52	58	66	68	66	60	51	29	26	52
	New York ^{2, 3}	100	50	55	56	59	61	64	65	64	63	61	52	49	59
N.C.	Charlotte	30	55	61	63	70	69	70	69	70	66	69	62	58	66
	Raleigh	26	54	60	62	64	59	61	61	61	59	62	61	56	60
N. Dak.	Bismarck	41	66	54	60	59	64	65	76	73	66	59	45	47	62
Ohio	Cincinnati	65	41	45	50	55	60	67	66	66	66	58	44	36	56
	Cleveland	37	31	37	43	52	56	65	67	63	60	54	31	27	51
	Columbus	29	38	42	43	51	57	60	61	61	62	57	38	31	52
Okla.	Okla. City	25	56	60	64	64	65	73	77	78	70	69	60	59	67
Oreg.	Portland	31	26	37	45	51	56	54	69	64	60	43	30	21	49
Pa.	Philadelphia	36	50	54	56	57	57	62	62	62	60	59	52	50	57
	Pittsburgh	28	34	39	44	48	51	57	67	56	58	53	39	30	48
R.I.	Providence	27	57	58	56	56	57	59	61	58	60	60	50	53	57
S.C.	Columbia	27	57	62	64	69	67	66	66	67	64	67	65	61	66
S. Dak.	Rapid City	36	55	69	61	59	57	62	72	73	69	66	65	54	62
Tenn.	Memphis	30	48	54	57	65	70	74	74	76	69	72	59	51	65
	Nashville	36	40	47	52	59	62	67	64	65	63	64	51	42	57
Tex.	Amarillo	39	66	69	71	73	72	77	87	77	74	75	72	68	73
	El Paso	36	77	82	85	85	89	89	80	81	82	84	83	79	83
	Houston	11	40	52	47	52	59	67	67	63	59	65	55	60	57
Utah	Salt Lake City ¹	42	47	55	64	67	73	79	84	83	84	73	65	45	70
Vt.	Burlington	37	41	46	51	50	56	59	64	60	54	46	30	33	60
Va.	Norfolk ¹	21	56	59	63	66	65	68	65	65	64	60	59	57	63
	Richmond	30	51	57	59	64	64	66	66	65	64	60	58	52	61
Wash.	Seattle-Tacoma	14	24	36	49	52	57	55	65	60	56	44	26	16	46
	Spokane	32	26	36	53	60	62	65	60	77	70	52	28	21	56
W. Va.	Parkersburg ¹	32	32	37	43	50	56	59	62	59	59	54	37	30	49
Wis.	Milwaukee	40	45	47	50	54	59	64	70	66	60	55	41	39	56
Wyo.	Cheyenne	44	62	65	65	61	59	65	66	67	69	69	60	59	64
P.R.	San Juan	25	66	69	74	67	61	61	67	66	60	59	57	57	64

¹For period of record through 1975. ²For period of record through 1977. ³For period of record through 1975. ⁴Data not available, figures are for a nearby station. ⁵For period of record through 1976. ⁶City office data.

Source: U.S. National Oceanic and Atmospheric Administration, Comprehensive Climatic Data, annual.

NO. 377. AVERAGE WIND SPEED—SELECTED CITIES

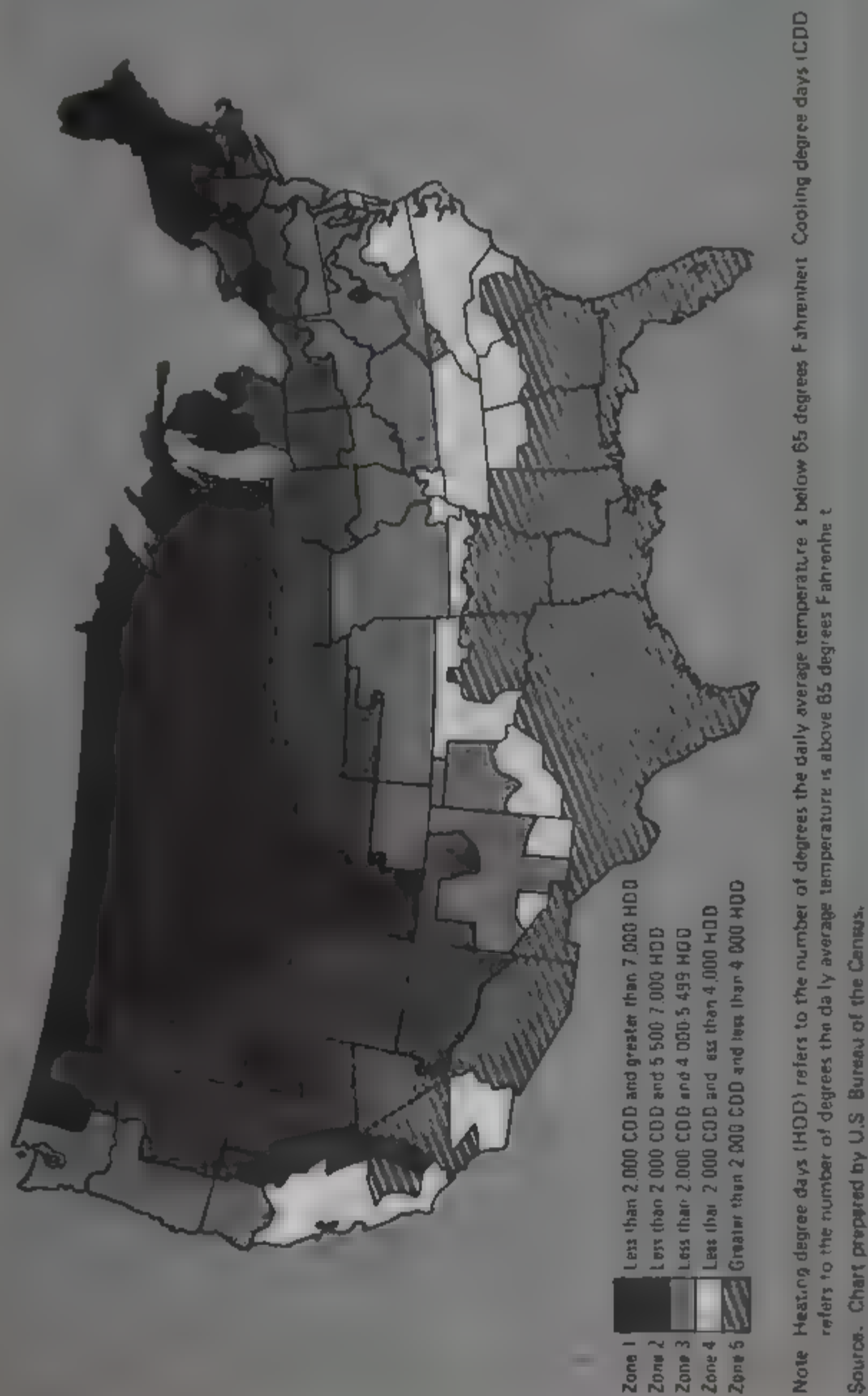
(In miles per hour. Airport data, except as noted. For period of record through 1980)

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Ala.	Mobile	33	10.6	10.7	11.0	10.3	8.9	7.7	6.9	6.7	7.9	8.2	9.2	10.0	9.0
Alaska	Juneau	38	8.4	8.7	8.8	8.8	8.4	7.8	7.8	7.5	8.0	8.7	8.7	9.2	8.4
Ariz.	Phoenix	38	5.2	5.9	6.7	7.0	7.0	8.9	7.2	6.6	6.3	5.8	5.3	5.1	6.3
Ark.	Little Rock	39	8.7	9.2	9.9	9.3	7.9	7.5	6.8	6.6	6.9	7.0	8.1	8.4	8.0
Calif.	Los Angeles	33	6.7	7.3	8.1	8.4	8.2	7.9	7.7	7.8	7.2	6.8	6.5	6.4	7.4
	Sacramento	33	7.7	7.8	8.9	8.9	9.3	9.9	9.1	8.7	7.7	6.6	6.3	6.0	8.1
	San Francisco	54	7.1	8.5	10.3	12.1	13.2	13.9	13.6	12.7	11.0	9.3	7.2	6.8	10.5
Colo.	Denver	33	8.9	9.2	9.9	10.3	9.5	9.0	8.5	8.2	8.1	8.1	8.5	8.8	8.9
Conn.	Hartford	27	9.3	9.6	10.1	10.3	9.1	8.3	7.6	7.3	7.5	7.9	8.5	8.8	8.7
Del.	Wilmington	33	10.0	10.5	11.2	10.5	9.0	8.5	7.8	7.4	7.9	8.3	8.2	9.5	9.2
D.C.	Washington	33	10.1	10.5	11.0	10.6	9.2	8.8	8.2	8.1	8.3	8.7	9.3	9.6	9.4
Fla.	Jacksonville	32	8.4	9.3	9.3	8.9	8.4	8.2	7.4	7.1	7.9	8.4	8.0	8.1	8.3
	Miami	32	8.5	10.1	10.5	10.7	9.6	8.3	7.9	7.9	8.2	9.3	8.6	9.2	9.2
Ga.	Atlanta	43	10.6	10.9	10.9	10.1	8.6	8.0	7.5	7.1	8.0	8.4	9.1	9.9	9.1
Hawaii	Honolulu	32	9.9	10.7	11.7	12.1	12.2	13.0	13.7	13.4	11.7	10.9	11.0	10.9	11.8
Idaho	Boise	42	8.3	9.2	10.2	10.2	9.6	9.1	8.5	8.2	8.3	8.5	8.5	8.4	8.9
Ill.	Chicago	23	11.5	11.6	11.9	12.1	10.6	9.1	8.1	8.1	8.7	9.8	10.9	10.9	10.3
	Peoria	38	11.1	11.4	12.2	12.1	10.2	9.1	8.0	7.8	8.6	9.5	11.1	10.9	10.2
Ind.	Indianapolis	33	11.0	11.0	11.8	11.3	9.5	8.6	7.5	7.2	7.9	8.9	10.4	10.6	9.6
Iowa	Des Moines	32	11.7	11.8	13.0	13.1	11.4	10.4	9.0	8.7	9.4	10.5	11.5	11.4	11.0
Kans.	Wichita	28	12.3	13.0	14.4	14.3	12.8	12.4	11.3	11.3	11.4	12.1	12.1	12.2	12.4
Ky.	Louisville	34	9.8	9.7	10.4	9.9	8.0	7.5	6.7	6.4	6.8	7.2	8.9	9.3	8.4
La.	New Orleans	33	9.4	9.6	10.0	9.4	8.1	8.9	8.2	5.9	7.2	7.5	8.6	9.0	8.2
Maine	Portland	41	9.3	9.5	10.0	9.9	9.1	8.1	7.6	7.4	7.7	8.3	8.7	9.0	8.7
Md.	Baltimore	31	9.9	10.5	11.1	10.8	9.3	8.6	8.0	7.9	8.2	8.8	9.4	9.4	9.3
Mass.	Boston	24	14.2	14.1	13.9	13.3	12.2	11.4	10.9	10.7	11.3	12.0	12.9	13.7	12.5
Mich.	Detroit	47	11.7	11.4	11.4	11.1	9.8	9.1	8.3	8.1	8.8	9.6	11.2	11.3	10.1
	Sault Ste. Marie	40	10.0	9.7	10.3	10.6	10.0	8.8	8.1	8.0	8.6	9.4	10.0	9.9	9.5
Minn.	Duluth	32	11.8	11.5	11.9	12.8	12.0	10.8	9.7	9.6	10.6	11.3	11.8	11.3	11.9
	Minneapolis-St. Paul	43	10.3	10.5	11.2	12.2	11.2	10.4	9.2	9.1	9.8	10.4	10.9	10.3	10.5
Miss.	Jackson	18	8.8	8.6	9.2	8.3	7.0	6.2	5.6	5.6	6.3	6.4	7.3	8.3	7.8
Mo.	Kansas City	9	10.8	11.8	12.5	12.3	10.0	10.1	8.5	9.0	8.7	10.2	11.0	11.1	10.6
	St. Louis	32	10.4	10.9	11.9	11.5	9.4	8.8	7.9	7.8	7.9	8.7	9.9	10.3	9.8
Mont.	Great Falls	40	15.3	14.6	13.4	13.0	11.5	11.3	10.1	10.3	11.5	13.5	14.8	15.8	12.9
Nebr.	Omaha	45	11.0	11.3	12.5	13.0	11.1	10.3	9.0	9.0	9.5	9.9	10.9	10.7	10.7
Nev.	Reno	39	6.7	6.1	7.6	8.0	7.7	7.4	6.7	6.3	5.5	5.3	5.2	5.1	6.4
N.H.	Concord	40	7.4	8.0	8.3	7.9	7.1	6.4	5.7	5.3	5.5	6.0	6.6	7.1	6.8
N.J.	Atlantic City	23	11.6	11.9	12.3	12.0	10.5	9.5	8.8	8.3	8.8	9.4	10.8	11.0	10.4
N. Mex.	Albuquerque	42	8.0	8.8	10.1	11.0	10.5	10.0	9.1	8.2	8.6	8.3	7.8	7.7	9.0
N.Y.	Albany	43	9.9	10.4	10.7	10.8	9.1	8.3	7.4	7.0	7.4	8.1	9.0	9.3	8.9
	Buffalo	42	14.4	13.9	13.5	12.9	11.6	11.1	10.5	9.9	10.5	11.3	12.8	13.4	12.1
	New York ¹	57	10.7	10.9	11.0	10.5	8.8	8.1	7.7	7.6	8.1	8.9	9.9	10.4	9.4
N.C.	Charlotte	32	7.9	8.4	8.9	8.9	7.6	7.0	6.6	6.6	6.7	7.1	7.3	7.4	7.5
	Raleigh	32	8.8	9.0	8.4	9.1	7.7	7.0	6.6	6.4	6.8	7.2	7.8	8.1	7.8
N. Dak.	Bismarck	42	10.0	10.1	11.0	12.3	11.9	10.7	9.3	9.5	10.0	10.1	10.1	9.5	10.4
Ohio	Cincinnati	34	10.8	10.5	11.1	10.6	8.6	8.0	7.2	6.7	7.4	8.1	9.6	10.2	9.1
	Cleveland	40	12.4	12.2	12.4	11.8	10.2	9.5	8.7	8.4	8.1	10.1	12.0	12.3	10.8
	Columbus	32	10.3	10.3	10.6	10.1	8.5	7.6	6.8	6.5	6.8	7.8	9.4	9.9	8.7
Okla.	Oklahoma City	33	13.0	13.4	14.9	14.8	12.9	12.5	11.0	10.7	11.1	12.1	12.4	12.7	12.9
Oreg.	Portland	33	10.1	9.1	8.3	7.3	7.0	7.1	7.6	7.1	6.5	6.5	6.5	9.5	7.9
Pa.	Philadelphia	41	10.4	11.1	11.5	11.0	8.7	8.8	8.1	7.9	8.3	8.9	9.6	10.1	9.8
	Pittsburgh	29	10.7	10.7	10.9	10.5	9.0	8.2	7.5	7.1	7.5	8.5	9.9	10.6	9.3
R.I.	Providence	28	11.4	11.7	12.2	12.2	10.9	10.0	9.5	9.3	9.5	9.7	10.5	11.0	10.7
S.C.	Columbia	33	7.0	7.6	8.2	8.3	7.0	6.7	6.4	5.9	6.1	6.1	6.4	6.6	6.9
S. Dak.	Sioux Falls	33	11.0	11.2	12.5	13.4	11.9	10.7	9.7	9.8	10.3	10.9	11.5	10.7	11.1
Tenn.	Memphis	33	10.4	10.4	11.2	10.6	8.9	8.1	7.5	7.0	7.5	7.8	9.2	10.0	9.1
	Nashville	40	9.2	9.4	10.0	9.5	7.6	7.1	6.4	6.1	6.3	6.7	8.4	8.9	8.0
Tex.	Dallas-Fort Worth	28	11.1	11.9	13.0	12.8	11.0	10.7	9.4	9.0	9.2	9.6	10.4	11.0	10.8
	El Paso	36	8.8	8.7	11.8	11.6	10.9	9.9	8.7	8.2	8.0	7.9	8.2	8.3	9.3
	Houston	12	8.2	8.7	9.4	9.1	8.1	7.7	8.9	6.9	6.8	6.6	7.6	7.8	7.7
Utah	Salt Lake City	52	7.6	8.2	9.3	9.5	8.4	9.4	8.5	9.6	9.1	8.5	7.8	7.5	8.8
Vt.	Burlington	38	9.5	9.3	9.3	9.3	8.6	8.3	7.8	7.4	8.1	8.7	8.5	9.7	8.8
Va.	Norfolk	33	11.5	11.9	12.3	11.7	10.2	9.5	8.8	8.6	9.5	10.4	10.6	11.0	10.5
	Richmond	33	7.9	8.5	8.9	8.8	7.7	7.2	6.6	6.3	6.5	6.9	7.4	7.5	7.5
Wash.	Seattle-Tacoma	33	9.9	9.6	10.0	9.7	9.0	8.6	8.3	7.9	8.1	8.7	9.2	9.6	9.1
	Spokane	34	8.7	9.1	9.6	9.6	8.9	8.8	8.3	8.1	8.1	8.0	8.3	8.8	8.7
W. Va.	Charleston	34	7.6	7.9	8.5	7.8	6.2	5.6	5.1	4.4	4.8	5.3	6.8	7.2	6.4
Wis.	Milwaukee	41	12.8	12.7	13.1	13.1	11.8	10.5	9.6	9.5	10.6	11.5	12.6	12.4	11.7
Wyo.	Cheyenne	24	15.3	15.1	14.8	14.3	12.8	11.8	10.4	10.5	11.2	12.3	13.4	14.0	13.0
P.R.	San Juan	26	8.9	9.2	9.8	9.4	8.6	9.0	9.9	9.2	7.6	6.9	7.5	8.5	8.7

¹ City office data.

Source: U.S. National Oceanic and Atmospheric Administration, Comparative Climatic Data, annual.

Figure 7.2
U.S. Weather Zone Map of Heating Degree Days (HDD) and Cooling Degree Days (CDD)



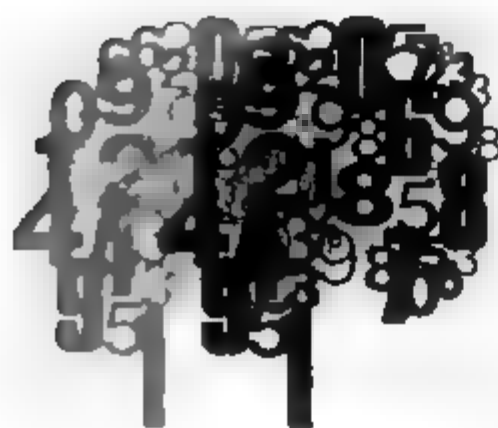
NO. 378. NORMAL MONTHLY AND SEASONAL HEATING DEGREE DAYS, 65° BASE—SELECTED CITIES

[Airport data, except as noted. Based on standard 30-year period, 1941 through 1970. For definition of "degree day," see text, p.188]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Seasonal
Ala.	Mobile	451	337	221	40	-	-	-	-	-	39	211	385	1,684
Alaska	Juneau	1,287	1,038	1,026	783	584	354	288	332	474	719	875	1,189	9,007
Ariz.	Phoenix	428	292	185	80	-	-	-	-	-	17	182	388	1,552
Ark.	Little Rock	791	619	470	139	21	-	-	-	5	143	441	725	3,354
Calif.	Los Angeles	331	270	267	185	114	71	19	15	23	77	158	257	1,819
	Sacramento	817	428	372	227	120	20	-	-	5	101	380	595	2,843
	San Francisco	518	388	372	291	210	120	89	84	85	137	291	474	3,042
Colo.	Denver	1,088	802	868	525	253	80	-	-	120	408	768	1,004	6,015
Conn.	Hartford	1,248	1,070	911	519	228	84	-	12	108	384	711	1,141	8,360
Del.	Wilmington	1,023	878	725	381	128	-	-	-	32	254	578	939	4,940
D.C.	Washington	911	778	617	285	72	-	-	-	14	190	510	855	4,211
Fla.	Jacksonville	348	282	176	24	-	-	-	-	-	19	181	317	1,327
	Miami	53	67	17	-	-	-	-	-	-	-	13	56	208
Ga.	Atlanta	701	580	443	144	27	-	-	-	8	137	408	687	3,085
Hawaii	Honolulu	-	-	-	-	-	-	-	-	-	-	-	-	-
Idaho	Boise	1,116	828	741	480	252	97	-	12	127	408	758	1,020	5,839
Ill.	Chicago	1,305	1,089	908	488	240	45	7	18	90	380	774	1,175	6,487
	Peoria	1,277	1,044	859	416	180	17	-	8	70	327	759	1,147	6,088
Ind.	Indianapolis	1,150	980	784	387	159	11	-	5	83	302	688	1,057	5,577
Iowa.	Des Moines	1,414	1,142	954	485	185	28	-	13	94	350	818	1,240	6,710
Kans.	Wichita	1,045	804	671	275	90	7	-	-	32	211	608	946	4,887
Ky.	Louisville	983	818	661	286	105	-	-	-	35	241	600	911	4,540
La.	New Orleans	403	288	188	29	-	-	-	-	-	40	178	327	1,485
Maine	Portland	1,349	1,179	1,029	689	381	108	27	55	200	483	792	1,218	7,488
Md.	Baltimore	980	846	688	340	110	-	-	-	27	250	567	921	4,729
Mass.	Boston	1,110	989	834	492	218	27	-	8	78	301	694	992	5,821
Mich.	Detroit	1,225	1,067	918	507	238	28	-	11	80	342	717	1,097	6,228
	Sault Ste. Marie	1,575	1,394	1,271	804	496	200	98	125	291	583	988	1,382	9,193
Minn.	Duluth	1,751	1,481	1,287	792	484	194	87	104	318	611	1,088	1,569	9,788
	Minneapolis-St. Paul	1,837	1,358	1,138	587	271	85	11	21	173	472	878	1,438	8,159
Miss.	Jackson	599	442	313	74	6	-	-	-	-	91	301	504	2,300
Mo.	Kansas City	1,175	918	753	336	127	16	-	-	50	259	681	1,045	5,357
	St. Louis	1,045	837	682	272	103	10	-	-	35	224	600	942	4,750
Mont.	Great Falls	1,280	1,075	1,070	648	367	182	18	42	280	524	912	1,194	7,852
Nebr.	Omaha	1,314	1,038	865	391	148	20	-	6	71	301	750	1,147	6,048
Nev.	Reno	1,028	791	788	546	328	145	17	50	188	456	747	992	6,022
N.H.	Concord	1,378	1,187	1,014	624	315	58	18	45	182	487	810	1,248	7,380
N.J.	Atlantic City	1,001	871	741	399	131	9	-	-	35	262	570	927	4,848
N. Mex.	Albuquerque	924	700	595	282	58	-	-	-	7	218	615	893	4,282
N.Y.	Albany	1,349	1,162	980	543	253	38	9	22	135	422	782	1,212	6,888
	Buffalo	1,280	1,137	1,020	603	321	58	12	33	138	419	758	1,150	5,927
	New York ¹	1,017	885	741	387	137	-	-	-	29	209	526	915	4,848
N.C.	Charlotte	710	588	481	145	34	-	-	-	10	152	420	688	3,218
	Raleigh	780	638	502	180	48	-	-	-	12	186	450	738	3,514
N. Dak.	Bismarck	1,781	1,442	1,237	680	339	122	18	35	252	584	1,083	1,531	9,044
Ohio	Cincinnati	1,051	888	722	341	136	9	-	-	44	271	636	970	5,070
	Cleveland	1,181	1,039	898	501	244	40	8	17	85	354	702	1,078	6,154
	Columbus	1,135	972	800	418	178	13	-	8	76	342	699	1,083	5,702
Okla.	Oklahoma City	874	664	532	180	36	-	-	-	12	148	474	775	3,685
Oreg.	Portland	834	622	588	432	284	128	48	55	119	347	591	753	4,782
Pa.	Philadelphia	1,014	871	718	367	122	-	-	-	38	249	584	924	4,885
	Pittsburgh	1,144	1,000	834	444	208	28	7	18	98	372	711	1,070	5,830
R.I.	Providence	1,135	987	871	531	259	38	-	10	83	350	651	1,039	5,972
S.C.	Columbia	608	483	380	83	12	-	-	-	-	112	341	589	2,588
S. Dak.	Sioux Falls	1,575	1,277	1,066	567	259	85	10	18	165	485	957	1,395	7,838
Tenn.	Memphis	780	594	457	131	22	-	-	-	7	142	423	691	3,227
	Nashville	828	672	524	178	45	-	-	-	10	180	458	783	3,688
Tex.	Dallas-Fort Worth	828	456	335	88	-	-	-	-	-	60	287	530	2,382
	El Paso	683	465	328	89	-	-	-	-	-	82	402	639	2,578
	Houston	418	294	189	23	-	-	-	-	-	24	155	333	1,434
Utah	Salt Lake City	1,147	885	787	474	237	88	-	5	105	402	777	1,078	5,983
Vt.	Burlington	1,494	1,299	1,113	680	331	88	20	49	191	502	840	1,314	7,878
Va.	Norfolk	780	661	532	226	53	-	-	-	8	141	402	704	3,488
	Richmond	853	717	589	225	84	-	-	-	21	203	480	805	3,939
Wash.	Seattle-Tacoma	831	636	648	489	313	187	80	82	170	397	612	780	5,185
	Spokane	1,228	918	853	567	327	144	21	47	198	533	685	1,118	6,885
W. Va.	Charleston	846	798	642	287	113	10	-	-	48	267	588	883	4,880
Wis.	Milwaukee	1,414	1,190	1,042	609	348	90	18	38	140	440	855	1,285	7,444
Wyo.	Cheyenne	1,190	1,008	1,035	689	394	156	22	31	225	530	885	1,110	7,255
P.R.	San Juan	-	-	-	-	-	-	-	-	-	-	-	-	-

- Represents zero ¹City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81.



Section 8

Public Lands, Parks, Recreation, and Travel

This section presents statistics on the Federal public domain and federally owned and leased real property, Indian lands, national parks and forests, State parks, recreational activities, the arts and humanities, and domestic and foreign travel.

The primary source for data on public lands is *Public Land Statistics*, published annually by the Bureau of Land Management, Department of the Interior. Data on federally owned land and real property are collected by the General Services Administration and presented in its annual *Inventory Report on Real Property Owned by the United States Throughout the World*. The Economic Research Service of the Department of Agriculture also issues statistics on land use and land ownership; see also section 24.

Public domain and acquired lands.—"Original public-domain land" refers to land which was untitled at the time the U.S. Government acquired sovereignty over it; that is, no claim of legal ownership had been established by a private individual, or by any State or political subdivision. Title to this land passed directly to the U.S. Government at the time sovereignty was acquired (Federally owned land within the District of Columbia is not considered to be original public-domain land.)

Any original public-domain land which the government has not disposed of under the public-land laws are "public domain lands," as are those lands which were obtained by the Federal Government in exchange for public lands or for timber on public lands. "Acquired lands" are lands the U.S. Government has gained by purchase, condemnation, and gift, and by exchange for purchased, condemned or donated lands or for timber on such lands. These lands were acquired for various public purposes, such as sites for public buildings, defense installations, and natural resources conservation activities.

Indian lands.—Indian lands are the private landholdings of individual Indians or Indian tribes that are subject to special restrictive provisions of Federal law administered by the Bureau of Indian Affairs. They have been set aside for Indian use by treaties, congressional acts, and executive orders. Although most of these lands are in reservations for specific tribes, there are groups of scattered off-reservation allotments in individual ownership and other small tracts of land occupied by Indian groups.

Applications, entries, selections, patents, and certifications.—The data on applications, entries, selections, patents, and certifications refer to transactions which involve the disposal, under the public land laws (including the homestead laws), of Federal public lands to non-Federal owners. In general, original entries and selections are applications to secure title to public lands which have been accepted as properly filed (i.e., allowed). Some types of applications, however, are not reported until issuance of the final certificate, which passes equitable title to the land to the applicant. Applications are approved when full compliance with the requirements of the laws is shown and become final entries (perfected entries) upon issuance of a final certificate. Patents are Government deeds which pass legal title to the land to the applicant. Certifications are issued in lieu of patents in connection with certain State selections.

Parks and recreation.—The Department of the Interior has responsibility for administering the national parks. As part of this function, it compiles data on and issues various reports relating to the usage of public parks for recreation purposes. The National Park Service publishes information on visits to national park areas in its annual report, *National Park Statistical Abstract*; the *Index-National Park System and Related Areas*, a biannual report, presents data on acreage in public parks; and its *National Parks and Landmarks* gives brief descriptions of each area administered by the Service and also covers sites eligible for registry as natural or national historic landmarks and nonfederally owned national historic sites. The National Park Service is also responsible for the administration of the Land and Water Conservation Fund, the Urban Park and Recreation program and several other outdoor recreation programs which were administered by the Heritage Conservation and Recreation Service until its abolishment in 1981.

Statistics for State parks are compiled by the National Association of State Park Directors which issues its annual *Information Exchange*. The Bureau of Land Management, in its *Public Land Statistics*, also issues data on recreational use of its lands. The Department of Agriculture's Forest Service, in its *Report of the Forest Service*, issues data on recreational uses of the national forests.

Statistics on recreation other than usage of public lands have not generally been compiled and published in a systematic way. In general, more data are available in the files of public and private bodies than have been published; and much of what is published is in forms not physically permanent nor likely to be preserved in libraries and other reference sources. The series presented here represent only the more readily available data.

Domestic and foreign travel.—Data on the volume and characteristics of domestic travel are collected and published by the Bureau of the Census as part of its Census of Transportation carried out every 5 years. The most recent data now available are from the 1977 census. Comparable data appear in the Bureau's 1963 *Passenger Transportation Survey*, vol. I, and its 1967 and 1972 *National Travel Survey*, vol. I.

Information on foreign travel and personal expenditures abroad, as well as expenditures by foreign citizens traveling in the United States, is compiled by the U.S. Bureau of Economic Analysis and published in selected issues of the monthly *Survey of Current Business*. Data on the number of passports issued annually to U.S. citizens are to be found in the annual *Summary of Passport Statistics* issued by the U.S. Dept. of State's Bureau of Consular Affairs. Statistics on arrivals to and departures from the United States by air are reported by the Department of Transportation in cooperation with the U.S. Immigration and Naturalization Service in *International Air Travel Statistics*.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to the Census of Transportation, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 379. OWNERSHIP OF LAND, BY CLASS: 1959 TO 1978

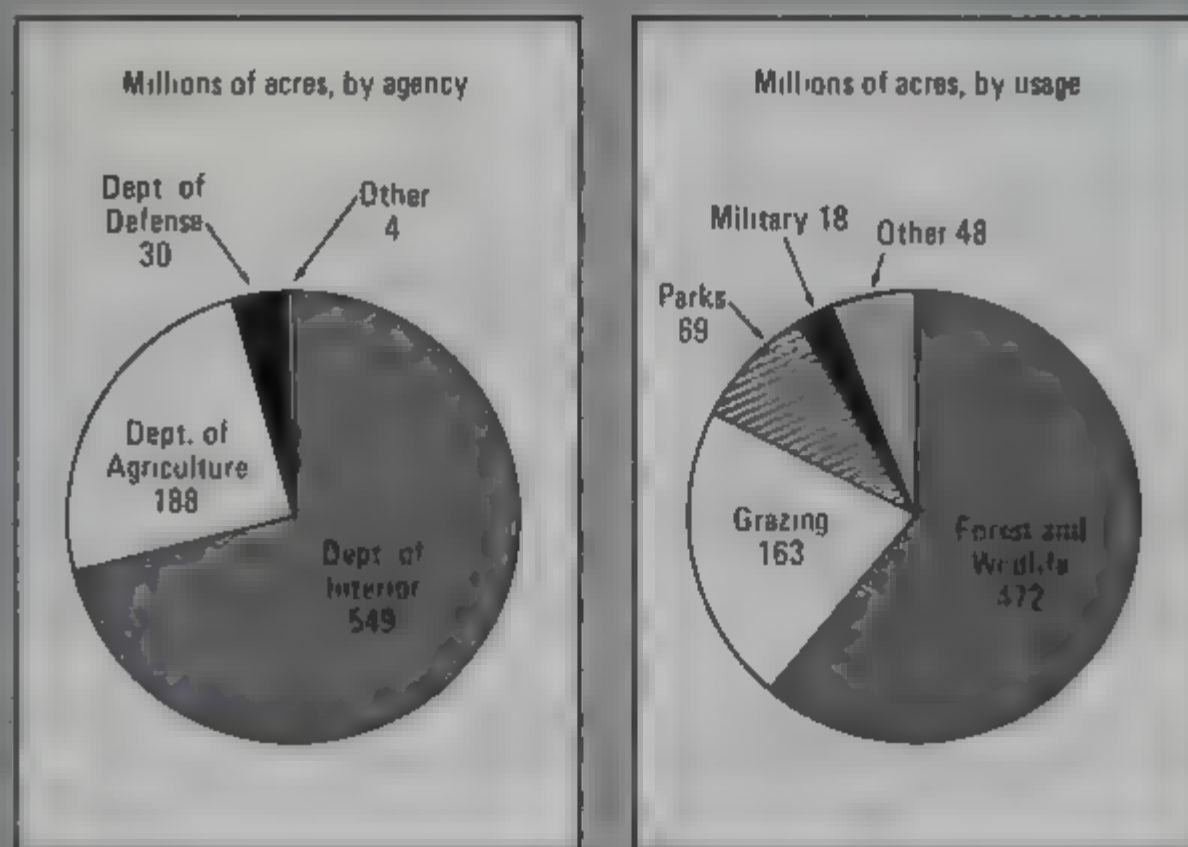
[In millions of acres, except percent. See also *Historical Statistics, Colonial Times to 1970*, series J 68, J 71, and J 76]

YEAR	Total ¹	Private land ²	Indian lands ³	PUBLIC LAND			
				Total	Federal ⁴	State ⁴	County and municipal
1959.....	2,271	1,332	53	886	765	103	18
1969.....	2,264	1,317	50	897	763	114	20
1974.....	2,264	1,316	51	897	761	116	20
1978.....	2,264	1,315	52	897	742	135	20
Percent distribution.....	100.0	58.1	2.3	39.6	32.7	6.0	.9

¹Changes in total land area are due to variable methods and materials used in periodic remeasurements, and to the construction of artificial reservoirs. ²Land owned by individuals, partnerships, and corporations. ³Managed in trust by Bureau of Indian Affairs. ⁴Changes in Federal and State land holdings mainly represent Federal land grants to the State of Alaska. Part of the change indicated after 1974 may have occurred prior to 1974.

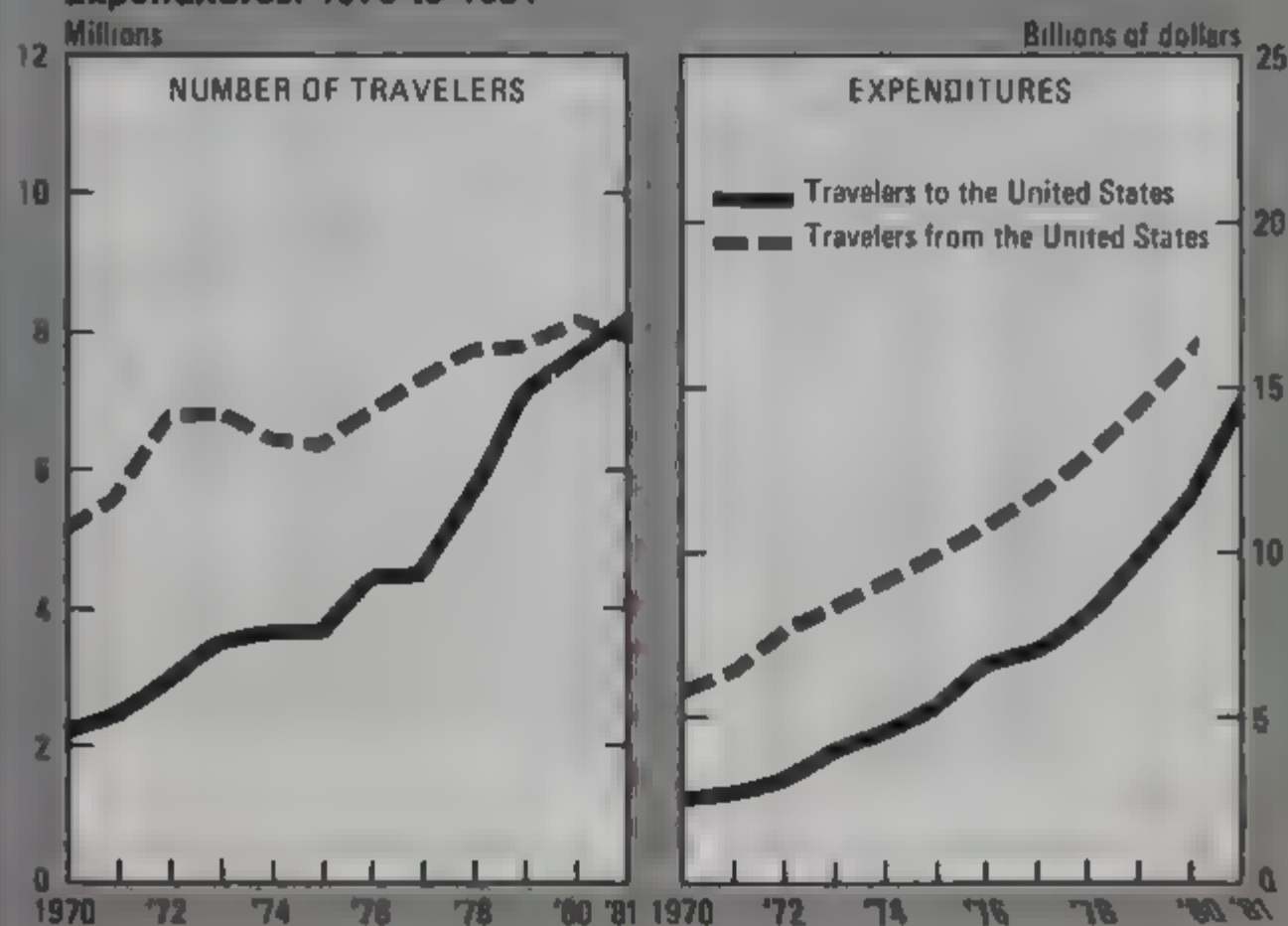
Source: U.S. Dept. of Agriculture, Economic Research Service, *Major Uses of Land in the United States*, November 1979 and unpublished data.

Figure 8.1
Land Owned by the Federal Government: 1979



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 383.

Figure 8.2
Overseas Travelers to and From the United States—Number and Expenditures: 1970 to 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 411 and 412.

NO. 380. AREA AND ACQUISITION OF THE FEDERAL PUBLIC DOMAIN: 1781 TO 1979

[In millions of acres. Areas of acquisitions are as computed in 1912, and do not agree with figures in square miles shown in table 339 which include later adjustments and reflect subsequent remeasurement. Excludes outlying areas of the United States amounting to 645,949 acres in 1978. See also *Historical Statistics, Colonial Times to 1970*, series J 3-6]

YEAR	Land area, total ¹	YEAR	LAND AREA ¹			YEAR AND ACQUISITION	Total acreage
			Total	Public domain	Acquired		
1802	200.0	1970	761.3	706.4	54.9	Aggregate	1,897.8
1850	1,200.0	1971	760.2	704.8	55.9		
1860	800.0	1972	760.7	704.8	55.9	1781-1802 (State Cessions)	236.8
1912	600.0	1973	761.0	704.8	56.2	1803, Louisiana Purchase ²	529.9
1945	413.0	1974	760.5	703.8	56.7	1819, Cession from Spain	45.1
						Red River Basin ³	29.6
1950	412.0	1975	760.4	702.9	57.5	1846, Oregon Compromise	183.4
1955	407.9	1976	762.2	702.8	59.4	1848, Mexican Cession ²	336.7
1959	768.6	1977	741.5	683.3	58.2	1850, Purchase from Texas	75.9
1960	771.5	1978	775.2	712.0	63.3	1853, Gadsden Purchase	19.0
1965	765.8	1979	769.9	710.1	59.8	1867, Alaska Purchase	375.3

¹ Owned by Federal Government. Comprises original public domain plus acquired lands. Estimated from imperfect data available for indicated years. Prior to 1959, excludes Alaska, and 1960, Hawaii. Source: Beginning 1955, U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual. ² Data for Louisiana Purchase exclude areas eliminated by Treaty of 1819 with Spain. Such areas are included in figures for Mexican Cession. ³ Represents drainage basin of Red River of the North, south of 49th parallel. Authorities differ as to method and date of its acquisition. Some hold it as part of Louisiana Purchase; others, as acquired from Great Britain.

Source: Except as noted, U.S. Dept. of the Interior, Estimated area, Bureau of Land Management; all other data, Office of the Secretary, *Areas of Acquisitions to the Territory of the U.S.*, 1922.

NO. 381. TOTAL AND FEDERALLY OWNED LAND, 1960 TO 1979, AND BY STATES, 1979

[As of June 30 except, beginning 1978, as of Sept. 30]

YEAR AND STATE	Total (1,000 acres)	Not owned by Federal Government (1,000 acres)	OWNED BY FEDERAL GOVERNMENT ¹		STATE	Total (1,000 acres)	Not owned by Federal Government (1,000 acres)	OWNED BY FEDERAL GOVERNMENT ¹	
			Acres (1,000)	Percent				Acres (1,000)	Percent
1960	2,273,407	1,501,894	771,512	33.9	Md	6,319	6,116	203	3.2
1965	2,271,343	1,506,548	766,797	33.5	Mass	5,035	4,955	80	1.5
1970	2,271,343	1,510,042	761,301	33.5	Mich	36,492	33,025	3,467	9.5
1973	2,271,343	1,510,344	760,999	33.5	Minn	51,206	47,793	3,423	6.6
1974	2,271,343	1,510,611	760,532	33.5	Miss	30,223	26,492	1,731	5.7
					Mo	44,248	42,053	2,196	4.9
1975	2,271,343	1,510,829	760,414	33.5	Mont	93,271	85,530	27,741	29.7
1976	2,271,343	1,509,151	762,192	33.5	Nebr	49,032	46,320	712	1.4
1977	2,271,343	1,526,634	741,509	32.6	Nev	70,264	9,758	60,506	86.1
1978	2,271,343	1,498,094	775,249	34.1	N.H.	5,769	5,047	722	12.5
1979, total	2,271,343	1,501,479	769,863	33.8	N.J.	4,818	1,881	152	3.1
Ala	32,678	31,556	1,122	3.4	N. Mex	77,766	51,893	25,874	33.2
Alaska	385,462	6,348	359,134	98.3	N.Y.	30,681	30,435	246	.8
Ariz	72,686	40,674	32,014	44.0	N.C.	31,403	29,352	2,051	6.5
Ark	33,589	30,241	3,358	9.9	N. Dak	44,452	42,066	2,386	5.3
Calif	100,207	53,506	46,702	46.6	Ohio	26,222	25,877	345	1.3
Colo	66,486	42,676	23,808	35.5	Ola	44,068	42,496	1,572	3.6
Conn.	3,135	3,128	8	.3	Orag	61,599	29,265	32,314	52.4
Del	1,266	1,225	41	3.2	Pa	26,804	26,072	733	2.5
D.C.	39	26	13	32.8	R.I.	677	669	8	1.1
Fla	34,721	30,680	4,041	11.8	S.C.	19,374	18,198	1,176	6.0
Ge	37,206	35,018	2,277	6.1	S. Dak	46,882	45,390	3,492	7.1
Hawaii	4,106	3,445	661	16.1	Tenn	26,728	24,874	1,854	6.9
Idaho	52,933	19,174	33,760	63.7	Tex	194,119	164,809	3,409	2.0
Ill	35,795	35,189	607	1.6	Utah	52,697	19,167	33,530	63.8
Ind	23,156	22,662	497	2.1	Vt	5,937	5,841	96	1.6
Iowa	35,880	35,633	227	.6	Va	26,486	23,087	2,410	9.4
Kans	52,511	51,778	733	1.3	Wash	42,694	30,221	12,473	29.2
Ky	25,512	24,096	1,414	5.6	W. Va	15,411	14,314	1,097	7.1
La	26,686	27,769	1,099	3.8	Wis	35,011	33,143	1,868	5.3
Maine	19,848	19,713	135	.7	Wyo	67,543	32,013	30,330	46.6

¹ Excludes trust properties.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

NO. 382. FEDERAL LAND AND BUILDINGS OWNED AND LEASED: 1960 TO 1979

[As of June 30 except, beginning 1976, as of Sept. 30. Covers Federal real property throughout the world, except as noted. Totals include data not shown separately]

ITEM AND AGENCY	Unit	1960	1965	1970	1975	1976	1977	1978	1978, prel.
Federally owned:									
Land, total.....	Mil. acres.....	772	766	762	761	763	742	776	770
Dept. of Agriculture.....	Mil. acres.....	166	187	187	168	190	168	189	188
Dept. of Defense.....	Mil. acres.....	30	30	31	31	31	31	34	30
Dept. of the Interior.....	Mil. acres.....	553	548	540	538	538	519	548	549
Buildings, number ¹	1,000.....	413	433	416	405	412	410	413	411
Dept. of Defense ¹	1,000.....	320	335	319	312	317	314	316	314
Dept. of the Interior.....	1,000.....	31	34	34	30	31	32	32	33
Buildings, floor area ¹	Mil. sq. ft.....	2,445	2,490	2,542	2,502	2,552	2,579	2,636	2,692
Dept. of Defense ¹	Mil. sq. ft.....	1,929	1,874	1,857	1,802	1,824	1,824	1,868	1,914
General Services Administration.....	Mil. sq. ft.....	122	172	205	194	196	201	202	203
Dept. of the Interior.....	Mil. sq. ft.....	42	47	61	58	80	61	62	83
Veterans Administration.....	Mil. sq. ft.....	115	114	110	111	112	114	116	116
Cost of land, buildings, etc. ²	Bil. dol.....	53	66	79	91	96	101	107	113
Dept. of Defense.....	Bil. dol.....	31	39	44	56	58	60	62	66
Dept. of the Interior.....	Bil. dol.....	5	6	8	10	10	11	10	11
Federally leased:									
Land.....	Mil. acres.....	1.8	1.8	1.6	1.2	1.2	1.7	1.4	1.4
Dept. of Defense.....	Mil. acres.....	1.7	1.7	1.4	1.0	1.0	1.5	1.2	1.2
Buildings, floor area ¹	Mil. sq. ft.....	97	132	182	210	230	238	216	219
Dept. of Defense ¹	Mil. sq. ft.....	11	7	7	13	19	27	12	12
Rental property, cost.....	Mil. dol.....	174	262	451	664	742	784	870	912
Dept. of Defense.....	Mil. dol.....	35	35	63	65	65	75	73	72

¹ Excludes data for Dept. of Defense military functions outside United States.

² See headnote, table 383.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual, and *Inventory Report on Real Property Leased to the United States Throughout the World*, annual.

NO. 383. FEDERALLY OWNED LAND AND COST OF LAND, BY PREDOMINANT USAGE: 1960 TO 1979

[As of June 30 except beginning 1979 as of Sept. 30. Covers land in United States only (50 States and D.C.). Cost of land figures represent total cost of property owned in year shown and exclude unreserved public domain; public domain reserved for national parks, national forests, military installations and other purposes; and historical sites acquired by methods other than by purchase. Properties are reported at actual or estimated cost as of date of acquisition without considering depreciation, obsolescence, or economic changes in value]

YEAR AND AGENCY	Total	Forest and wildlife	Grazing	Parks and historic sites	Military, exc. airfields	Flood control, navigation	Reclamation, irrigation	Power development	Airfields	Other
LAND (mil. acres)										
1960, total.....	771.5	513.5	166.7	22.4	18.3	5.5	8.0	1.9	2.0	33.2
1965, total.....	765.8	508.4	165.2	22.8	15.7	6.7	7.8	1.9	2.0	35.3
1970, total.....	761.3	503.2	163.5	24.6	17.7	7.4	7.5	2.1	1.5	33.8
1975, total.....	760.4	502.3	164.0	25.3	18.1	8.0	7.0	1.5	2.3	32.0
1978, total.....	775.2	514.8	162.7	26.7	20.6	8.2	6.1	1.6	1.5	33.1
1979, total ¹	769.9	472.1	182.5	66.5	18.0	8.3	6.0	1.5	1.5	31.4
Dept. of Agriculture.....	187.9	167.5	19.7	(z)	-	-	-	-	-	.8
Dept. of Energy.....	1.6	-	-	-	-	-	(z)	(z)	-	1.5
Dept. of Defense.....	30.3	.1	-	.1	18.0	7.3	-	.7	1.5	2.6
Dept. of the Interior.....	548.5	304.5	142.6	66.3	-	.1	6.0	.7	(z)	26.0
Tennessee Valley Authority.....	1.0	(z)	-	.2	-	.7	-	(z)	-	.1
Other.....	.6	-	-	(z)	(z)	.2	-	-	(z)	.4
COST OF LAND (mil. dol.)										
1960.....	2,956	130	22	142	348	1,063	170	219	195	667
1965.....	4,128	237	18	180	296	1,915	224	204	203	649
1970.....	5,475	350	28	373	331	2,591	312	251	162	1,079
1975.....	6,672	569	26	618	334	3,361	313	273	199	1,139
1978.....	8,762	789	27	1,047	477	3,914	560	296	133	1,499
1979 ¹	9,660	900	27	1,417	480	4,104	377	268	146	1,943

- Represents zero. Z Less than 50,000 acres. ¹ Preliminary.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

No. 384. PUBLIC LANDS—DISPOSAL TRANSACTIONS AND CASH RECEIPTS: 1951 TO 1981

[For years ending June 30 except, beginning 1977, Sept. 30. For explanation of terms, see text, p. 223. Period figures are totals, not annual averages. See also *Historical Statistics, Colonial Times to 1970*, series J 10-15 and J 26-32]

ITEM	Unit	1951- 1960, total	1961- 1970, total	1971- 1975, total	1976- 1980, ¹ total	1977	1978	1978	1980	1981
Applications, entries and selections allowed. ²	1,000 acres ...	3,176	17,518	13,078	³ 134,014	10,518	880	18,649	1,167	1,311
Alaska	1,000 acres ...	1,535	15,019	12,898	³ 133,932	10,469	850	18,644	1,160	1,277
Applications, entries, and selections approved. ³	1,000 acres ...	2,382	4,177	4,704	13,262	1,161	1,364	277	175	335
Alaska	1,000 acres ...	184	2,537	4,270	13,013	1,145	1,360	256	2	321
Patents and certificates ²	1,000 acres ...	5,628	11,524	5,584	14,389	1,163	108	616	2,495	1,258
Alaska	1,000 acres ...	246	6,050	4,470	13,884	990	24	556	2,443	1,080
Homestead entries: ⁴										
Allowed	Number	6,158	2,383	211	25	13	-	1	1	12
Acres	1,000	790	292	24	3	2	-	(z)	(z)	1
Approved ⁵	1,000 acres	442	172	42	13	5	1	1	1	2
Cash receipts	Mill. dol	1,399	4,770	16,141	19,715	3,008	2,924	4,052	5,079	11,279
Mineral leases and permits	Mill. dol	1,054	4,168	15,509	18,305	2,717	2,681	3,754	4,783	10,980
Oil, gas	Mill. dol	1,071	3,955	15,387	17,983	2,669	2,600	3,671	4,684	10,721
Offshore	Mill. dol	435	2,918	14,462	15,973	2,373	2,259	3,267	4,101	10,136
Timber	Mill. dol	209	478	496	1,062	235	195	218	216	216
Fees and commissions	Mill. dol	9	37	46	153	27	32	40	29	44
Other	Mill. dol	127	87	90	192	29	36	40	51	59

- Represents zero. Z Less than 500 acres. ¹Includes transition quarter, July-Sept. 1976. ²Covers homestead, desert land, and mineral entries, public auction sales, Indian and State selections; and other disposal transactions. ³Includes entries under the Alaska Native Claims Act of Dec. 18, 1971. See also footnote 5, table 385. ⁴Excludes ceded Indian lands. ⁵Excludes commuted homesteads.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

No. 385. PUBLIC DOMAIN LANDS—HOMESTEAD ENTRIES, 1951 TO 1981, AND VACANT LANDS, 1950 TO 1981, BY STATES

[In thousands of acres. Homestead entries for years ending June 30 except, beginning 1977, ending Sept. 30; vacant lands as of June 30 except, beginning 1977, as of Sept. 30. Excludes States with less than 500 acres in years specified. Vacant public lands are those which are unappropriated and unreserved. The former represent lands not covered by an entry; the latter, lands not reserved for some public purpose, i.e., available for entry or selection under appropriate laws. Data for vacant public lands in States other than Alaska cover lands withdrawn for classification in furtherance of Taylor Grazing Act and for conservation and development of natural resources. See text, p. 223. See *Historical Statistics, Colonial Times to 1970*, series J 8, for vacant lands excluding Alaska, and J 14 for homestead entries]

STATE	HOMESTEAD ENTRIES ¹				VACANT LANDS ²					
	1951- 1960, total	1961- 1970, total	1971- 1980, total	1981	1950	1950	1970	1975	1980	1981
Total	³ 790.0	291.9	27.3	1.1	440,408	437,879	⁴ 159,139	⁴ 158,778	⁴ 159,427	⁴ 158,896
Alabama	-	-	-	-	27	3	1	3	3	3
Alaska ⁵	572.0	279.9	22.3	.2	270,000	270,200	257,133	257,065	167,090	167,090
Arizona	9.4	1.3	-	-	12,545	12,442	11,597	11,592	11,547	11,473
California	3.9	-	.1	-	16,306	15,673	14,587	14,570	14,470	15,206
Colorado	14.5	.2	-	-	8,070	8,090	6,485	6,440	6,290	6,265
Idaho	96.0	3.0	-	-	10,858	11,652	11,597	11,520	11,491	11,154
Minnesota	-	-	-	-	93	58	23	26	42	23
Montana	1.6	-	3.4	.6	6,773	6,365	6,143	6,140	6,146	6,137
Nebraska	-	-	-	-	25	6	8	4	9	9
Nevada	25.8	5.2	.2	-	47,158	46,027	47,310	47,367	48,074	48,146
New Mexico	3.9	1.5	.7	-	14,503	13,129	12,578	12,400	12,155	12,141
North Dakota	-	-	.2	.3	98	79	69	68	88	88
Oregon	1.3	-	-	-	13,298	13,153	13,342	13,136	13,024	13,022
South Dakota	-	-	.5	-	290	272	276	278	278	276
Utah	53.6	.3	-	-	23,033	24,097	20,877	20,798	20,373	20,367
Washington	.8	.3	-	-	487	365	292	304	308	308
Wyoming	2.5	.1	.1	-	16,615	16,196	13,944	14,118	14,132	14,242
Other States	.5	.1	-	-	231	50	11	16	19	17

- Represents zero. ¹Homestead entries allowed. As a result of the Federal Land Policy and Management Act of 1976, Public Law 94-579, the only homestead actions now occurring are carryover cases, such as inheritances, etc. ²Includes acreage of public lands within grazing districts, as follows (in thousands): 1950, 134,875; 1960, 141,645; 1970, 132,689; 1975, 132,265; 1980, 132,854; and 1981, 132,644. ³Includes 4,200 acres for Bureau of Land Management. ⁴Excludes Alaska; see footnote 5. ⁵Effective Jan. 17, 1969, all unreserved lands in Alaska were withdrawn from all forms of appropriations or disposition under the Public Land Laws; land and resources were reserved until Dec. 31, 1970, for determination and protection of rights of native Aleuts, Eskimos, and Indians of Alaska. The Alaska Native Claims Act of Dec. 18, 1971, and Public Land Order No. 5418 dated Mar. 25, 1974, withdraws all unreserved lands in Alaska.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

Public Lands—Lands Under Jurisdiction of Bureau of Indian Affairs 229

NO. 366. PUBLIC LANDS—LEASES, PERMITS, AND LICENSES, BY CLASS: 1960 TO 1981

[As of June 30 through 1979; thereafter as of Sept. 30; except as noted. Excludes leases on acquired, submerged, and military lands. See *Historical Statistics, Colonial Times to 1970*, series J 41-42, for oil and gas leases]

YEAR	MINERAL CLASS							GRAZING ¹	
	Total	Leases				Permits	Licenses	Leases ²	Permits ³
		Total	Oil and gas ⁴	Coal	Other				
Number									
1960	142,114	140,067	139,534	294	229	2,036	22	9,911	16,976
1965	101,863	101,086	100,339	379	368	783	14	6,912	16,712
1970	100,598	100,010	99,036	525	447	583	5	6,559	16,827
1975	104,075	103,762	102,815	529	416	309	4	7,785	15,480
1977	104,377	104,079	102,130	523	1,426	294	4	7,792	15,099
1978	105,284	105,088	102,984	524	1,580	183	13	9,884	14,825
1979	107,176	107,014	104,769	535	1,710	139	23	7,773	14,876
1980	106,125	106,983	103,571	522	1,870	132	30	7,700	14,741
1981	111,842	111,845	109,041	562	2,042	167	40	7,821	14,829
Acres (1,000):									
1960	118,157	114,136	113,667	199	270	4,020	1	18,532	(NA)
1965	69,267	64,955	64,148	374	433	1,311	1	18,067	(NA)
1970	65,374	64,323	63,030	764	529	1,051	(2)	(NA)	(NA)
1975	82,618	81,885	80,621	780	485	733	(2)	17,144	(NA)
1977	86,903	86,275	83,319	791	2,164	626	2	16,387	(NA)
1978	90,202	89,823	86,585	790	2,447	334	45	24,705	(NA)
1979	96,482	96,108	92,842	798	2,669	299	74	17,534	(NA)
1980	100,585	100,198	96,503	796	2,909	278	109	17,028	(NA)
1981	117,267	116,777	112,729	833	3,215	337	143	17,180	(NA)

NA Not available. Z Less than 500 acres. ¹For data on Outer Continental Shelf, see Section 27. ²1960-1977 as of Dec. 31. Beginning 1978, as of Feb. 28 of following year. ³Lands outside grazing districts, which are owned, leased, or otherwise controlled by the United States and administered by the Bureau of Land Management and which are subject to leasing for grazing purposes. ⁴Licenses and permits within grazing districts.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

NO. 367. LANDS UNDER JURISDICTION OF BUREAU OF INDIAN AFFAIRS—ACREAGE, BY STATES: 1940 TO 1981

[In thousands of acres. Excludes States with less than 500 acres in years specified. Beginning 1980, taxable lands generally included. Beginning 1975, includes tribal fee lands. See also *Historical Statistics, Colonial Times to 1970*, series J 16-19]

STATE	1940	1960	1970	1975	1978	1979	1980	1981			
								Total	Indian		Government owned
									Trust allotted ¹	Tribal ²	
Total	55,408	58,076	65,499	62,316	62,866	62,992	62,993	62,496	10,919	42,009	469
Ala.	(NA)	4,166	4,170	117	363	396	426	448	361	87	-
Ark.	19,225	21,515	18,714	(NA)	20,034	20,036	20,036	19,898	252	19,556	90
Calif.	667	558	536	546	541	573	573	569	69	500	-
Colo.	667	762	755	762	762	783	783	766	3	753	-
Fla.	61	79	79	79	79	79	79	76	-	76	-
Idaho	818	835	828	827	828	827	827	827	392	482	33
Iowa	3	4	4	4	4	4	4	4	-	4	-
Kans.	36	29	27	26	27	26	29	26	22	6	-
Mich.	27	22	21	21	21	21	21	21	9	12	-
Minn.	693	756	763	764	764	764	764	764	51	713	-
Miss.	9	16	18	17	18	18	18	16	-	16	-
Mont.	5,455	5,457	5,274	5,282	5,275	5,258	5,249	5,241	3,018	2,221	4
Nebr.	78	66	62	61	65	65	65	65	43	22	-
Nev.	1,127	1,162	1,146	1,153	1,154	1,154	1,154	1,225	79	1,136	6
N. Mex.	7,153	6,542	7,209	7,637	7,843	7,866	7,964	7,459	676	6,483	300
N.C.	57	56	57	56	56	56	57	57	-	57	-
N. Dak.	1,036	679	660	660	661	653	653	652	647	204	1
Ohio	2,644	1,855	1,424	1,306	1,250	(NA)	1,230	1,222	1,126	69	6
Oreg.	1,737	1,236	687	761	761	761	762	760	139	821	-
S. Dak.	5,985	5,064	4,975	5,020	5,086	5,091	5,093	5,093	2,491	2,600	2
Utah	1,963	2,125	2,271	2,276	2,277	2,266	2,266	2,266	34	2,262	-
Wash.	2,740	2,591	2,480	(NA)	2,511	2,517	2,520	2,489	482	2,014	3
Wyo.	445	422	196	407	406	(NA)	(NA)	410	81	329	-
Wyo.	2,013	1,690	1,667	1,696	1,667	1,669	(NA)	1,669	85	1,792	1

- Represents zero. NA Not available. ¹Private landholdings of individual Indians. ²Lands held by Indian tribes. ³Includes 3,000 acres in S.C., not shown separately.

Source: U.S. Bureau of Indian Affairs, *Annual Report of Indian Land*, and unpublished data.

NO. 388. NATIONAL PARK SYSTEM—SUMMARY: 1960 TO 1981

[For years ending June 30 through 1976, thereafter ending Sept. 30; except as noted. Includes data for 5 areas in Puerto Rico and Virgin Islands. See also *Historical Statistics, Colonial Times to 1970*, series H 806-828]

ITEM	1960	1965	1970	1975	1976	1977	1979	1979	1980	1981
Finances (mil. dol.):										
Expenditures reported ¹	74.2	131.6	138.8	341.8	394.2	427.0	473.4	482.8	574.3	² 1,172.9
Salaries and wages	29.9	48.6	82.5	152.1	175.2	211.9	223.5	238.3	259.3	302.6
Improvements, maintenance	4.7	8.3	15.5	40.4	44.0	48.7	63.9	67.9	77.3	82.3
Construction	33.2	55.3	23.9	85.5	105.9	82.4	101.5	76.7	126.8	123.2
Other	6.5	19.5	17.0	63.8	69.0	84.0	84.5	99.9	110.8	² 664.8
Funds available	115.7	183.1	174.6	428.0	459.6	599.6	653.3	616.7	907.9	² 2,307.7
Appropriations	79.6	128.4	129.4	345.6	364.5	492.8	552.1	526.2	539.4	827.0
Other	36.2	54.7	45.2	82.4	95.1	106.8	101.2	90.5	368.5	² 1,480.7
Revenue from operations ³	5.7	7.4	8.8	17.2	19.6	21.3	22.9	21.1	21.1	22.9
Visits (millions): ⁴										
All areas	79.2	121.3	172.0	238.8	267.7	262.6	283.1	282.4	300.3	329.7
National parks ⁵	26.6	36.6	45.9	58.8	60.6	62.0	62.9	57.5	60.2	63.3
National monuments	10.7	12.3	17.3	17.3	19.3	18.5	19.1	16.8	16.3	17.1
National historical, archeological, and military areas	21.8	40.7	47.0	75.7	82.8	85.5	88.4	83.9	88.5	95.0
National parkways	9.0	13.0	27.8	36.0	38.3	36.8	37.7	35.0	40.2	43.8
National recreation areas ⁶	3.7	6.2	11.5	23.9	30.9	36.2	38.9	41.3	48.1	51.1
National seashores	.5	3.4	9.1	13.3	15.2	16.5	17.6	14.2	15.0	16.0
National Capital Parks ⁶	6.9	9.2	10.3	11.2	12.0	2.9	3.3	2.8	4.1	6.7
Miscellaneous other areas	(x)	(x)	3.0	2.6	8.5	4.2	15.1	31.5	28.0	37.3
Overnight stays reported	9.4	13.0	16.2	16.7	17.4	17.5	17.6	16.0	16.5	17.0
Camper days	4.8	6.1	9.0	8.8	9.3	9.3	9.1	7.9	8.3	8.9
Tents	3.6	5.1	4.7	3.7	3.9	4.0	3.8	3.4	3.9	4.2
Recreation vehicles	1.3	3.0	4.3	5.1	5.4	5.3	5.4	4.5	4.4	4.7
In commercial lodgings	2.8	3.3	4.9	4.0	3.1	4.0	4.1	4.0	4.1	4.0
Other	1.8	1.6	2.2	3.9	5.0	4.2	4.3	4.1	4.1	4.1
Land (1,000 acres):										
Total ⁷	25,704	26,549	28,543	29,091	29,369	29,571	⁸ 70,541	70,797	70,936	73,665
Parks	13,208	13,619	14,307	15,344	15,365	15,374	15,679	15,684	15,801	⁹ 44,470
Recreation areas	3,214	3,497	3,628	3,156	3,276	3,266	3,255	3,280	3,322	3,327
Other	9,283	9,432	10,608	10,590	10,748	10,931	51,607	51,833	51,813	⁹ 25,868
Acquisition, gross	21	319	83	110	163	224	266	86	121	60
By purchase	6	42	74	70	107	218	261	65	109	55
By gift	10	13	1	(z)	49	5	5	4	7	3
By transfer or exchange	5	264	10	40	7	(z)	(z)	17	5	2
Exclusion	(z)	¹⁰ (z)	2	(z)	7	(z)	(z)	1	(z)	(z)
Acquisition, net	21	318	82	110	156	224	266	85	121	60

X Not applicable. Z Less than 1,000 acres. ¹For 1960-1980; excludes transfers and allocations from appropriations to other agencies (e.g., Land and Water Conservation Fund, etc.). ²Data reflect absorption by National Park Service of activities of Former Heritage Conservation and Recreation Service (e.g. Land and Water Conservation Fund). See text, p. 223. ³Receipts deposited in Treasury; beginning 1975, receipts from annual admission permit (Golden Eagle Passport) and special recreation use fees are available for NPS expenditure. ⁴For calendar year. For 1980 excludes visits to White House. ⁵Beginning 1970, combined data for North Cascades National Park and two adjacent National Recreation Areas are included in National Parks total. ⁶Beginning 1977, visits to some areas previously included in National Capital Parks now included in other areas. ⁷Federal land only, as of Dec. 31. ⁸On Dec. 1, 1978 over 40 million acres of public domain land in Alaska were added to the system. ⁹Several areas of the National Park System were reclassified as national parks in 1981. Therefore data are not comparable with prior years. ¹⁰Represents U.S. lands alienated by exchange of U.S. and private lands.

Source: U.S. National Park Service, visits, 1960-1970, *Campground Use in the National Park Service*, annual, *Camper Days in Areas Administered by the National Park Service*, annual, and *Public Use of the National Parks*, monthly; 1975 and 1976, *Public Use of the National Park System*, semiannual; thereafter, *National Park Statistical Abstract*, annual and unpublished data. Land, 1960-1978, *Areas Administered by the National Park Service*, semiannual; thereafter, *Index—National Park System and Related Areas*, biannual. Other data are unpublished.

NO. 389. NATIONAL PARK SYSTEM—TYPES OF AREAS: 1981

[As of September 30. Totals include National Visitor Center, and 5 areas in Puerto Rico and Virgin Islands. See also *Historical Statistics, Colonial Times to 1970*, series H 806-828]

TYPE OF AREA	Number of areas	Federal acreage	TYPE OF AREA	Number of areas	Federal acreage
National Park System	334	73,658,840	National seashores	10	454,630
National parks	48	44,469,790	Parkways	4	156,905
National historical parks	26	91,839	National lakeshores	4	126,316
National monuments	78	4,458,634	National rivers	10	193,089
National military parks	10	33,520	National Capital Parks	1	8,469
National battlefields	10	7,606	Parks, other	10	30,819
National battlefield parks	3	6,672	National recreation areas	17	3,325,063
National battlefield sites	1	1	National Trail	1	39,500
National historic sites	63	16,019	National preserves	12	20,231,809
National memorials	23	7,971	National Mall	1	146
			White House	1	18

Source: U.S. National Park Service, *Index—National Park System and Related Areas*, biannual.

NO. 390. SELECTED NATIONAL PARK SERVICE AREAS—ACREAGE, 1981, VISITS AND OVERNIGHT STAYS, 1980 AND 1981

(Acreage as of December 31. Area selection based on minimum of 5 million visits or 250,000 overnight stays in 1981)

AREA	Acre- age (1,000)	VISITS (mil.)				OVERNIGHT STAYS ³ (1,000)	
		1980, total	1981			1980	1981
			Total	Recreation	Nonrecreation ²		
Total, all areas⁴	78,848	308.3	329.7	236.6	91.1	18,485	18,888
Blue Ridge Parkway, Ga., N.C., Va.	82	18.7	17.0	13.6	3.4	312	268
Cape Hatteras National Seashore, N.C.	30	1.7	1.8	1.8	.2	310	280
Chickamauga and Chatahoochee National Military Park, Ga., Tenn.	8	14.2	12.5	.8	11.7	2	3
Colonial National Historical Park, Va.	9	9.1	12.2	8.6	3.6	-	-
Death Valley National Monument, Calif.	2,008	.8	.8	.8	(2)	318	334
Gateway National Recreation Area, N.J., N.Y.	26	9.4	9.6	9.4	.2	8	5
Glaeder National Park, Mont.	1,014	1.5	1.8	1.8	(2)	323	379
Glen Canyon National Recreation Area, Ariz., Utah	1,237	1.7	1.8	1.7	.1	1,100	1,181
Golden Gate National Recreation Area, Calif.	39	18.4	20.3	20.3	-	-	-
Grand Canyon National Park, Ariz.	1,218	2.5	2.7	2.5	.2	705	795
Grand Teton National Park, Wyo.	311	3.5	3.6	2.6	1.0	556	590
Great Smoky Mountains National Park, N.C., Tenn.	520	11.9	12.0	8.3	3.7	521	521
Hot Springs National Park, Ark.	6	5.3	5.3	1.2	4.1	8	9
Indiana Dunes National Lakeshore, Ind.	13	1.8	1.3	1.0	.3	411	344
Kennesaw Mountain National Battlefield Park, Ga.	3	6.7	6.7	1.0	5.7	4	6
Kings Canyon National Park, Calif.	480	.8	.8	.8	(2)	343	319
Lake Mead National Recreation Area, Ariz., Nev.	1,497	5.2	5.4	5.2	.2	1,484	1,390
Natchez Trace Parkway, Miss., Tenn., Ala.	50	15.9	16.5	11.2	5.6	14	14
Olympic National Park, Wash.	915	2.5	2.7	2.3	.4	368	427
Ozark National Scenic Riverways, Mo.	81	1.8	1.8	1.4	.4	270	263
Rocky Mountain National Park, Colo.	287	2.6	2.8	2.8	(2)	317	310
Sequoia National Park, Calif.	403	.9	1.1	1.1	(2)	480	441
Shenandoah National Park, Va.	195	1.8	1.9	1.8	.1	475	456
Valley Forge National Historical Park, Pa.	4	11.5	12.2	3.3	8.9	-	-
Yellowstone National Park, Idaho, Mont., Wyo.	2,220	2.0	2.5	2.5	(2)	1,220	1,388
Yosemite National Park, Calif.	761	2.6	2.6	2.5	1	2,035	2,127

- Represents zero. Z Less than 50,000. ¹Includes non-Federal land. ²Any visit which is part of, or incidental to, the pursuit of a painful occupation. ³The passing of one night by a visitor within a park, and occurs each night a visitor remains in the park. ⁴Includes areas not shown separately.

Source: U.S. National Park Service, *National Park Statistical Abstract*, annual, and unpublished data.

NO. 391. NATIONAL FOREST RECREATION USE—SUMMARY: 1981

(For year ending September 30. Estimated. Represents recreational use of National Forest land and water which aggregates 12 person-hours; may entail 1 person for 12 hours, 12 persons for 1 hour, or any equivalent combination of individual or group use, either continuous or intermittent. See also *Historical Statistics, Colonial Times to 1970*, series H 629-636)

PLACE WHERE USE OCCURRED	Visitor-days (1,000)	Percent	ACTIVITY	Visitor-days (1,000)	Percent
Sites and areas	236,708	100.0	Total	236,708	100.0
Developed sites	84,882	36.0	Camping	59,628	25.3
Observation sites	1,382	.6	Picnicking	9,707	4.1
Boating and fishing sites	3,438	1.4	Recreation travel (mechanized)	55,196	23.4
Swimming sites, playgrounds, etc.	2,182	.9	Water travel	8,132	3.5
Campgrounds and trailheads	41,726	17.7	Games and team sports	1,033	.4
Picnic grounds	8,213	2.8	Water skiing and other water sports	883	.4
Hotels, lodges, resorts	4,953	2.1	Swimming and scuba diving	5,334	2.3
Organization sites	5,182	2.2	Winter sports	11,262	4.8
Recreation residence sites	8,291	2.7	Fishing	16,973	7.2
Ski areas and winter sports sites	10,591	4.5	Hunting	16,413	7.0
Documentary areas, concession sites, visitor centers	2,945	1.3	Hiking and mountain climbing	12,791	5.4
Dispersed areas	158,827	64.0	Horseback riding	3,661	1.5
Roads (recreation)	55,415	23.5	Resort use	4,429	1.9
Trails (recreation)	13,441	5.7	Organization camp use	3,936	1.7
Airfields	15	(2)	Recreation cabin use	6,400	2.7
Waters	27,894	11.8	Gathering forest products	5,056	2.1
General undeveloped country	54,262	23.0	Nature study	2,019	.9
			Viewing scenery, sports, environment	8,525	3.6
			Visitor information (exhibits, talks, etc.)	4,238	1.8

Z Less than .05 percent.

Source: U.S. Forest Service, unpublished data.

NO. 392. RECREATIONAL USE OF PUBLIC LANDS ADMINISTERED BY BUREAU OF LAND MANAGEMENT: 1970 TO 1981

[For years ending June 30 except, beginning 1977, Sept. 30]

YEAR AND STATE	Number of sites	Developed acreage (1,000)	RECREATION VISITS ¹ (mil.)					VISITOR DAYS ^{1,2} (mil.)				
			Total ³	Sight-seeing	Off-road vehicles	Hunting, fishing	Camping	Total ³	Sight-seeing	Off-road vehicles	Hunting, fishing	Camping
1970	188	10.7	87.2	27.2	(NA)	15.9	8.1	38.7	9.5	(NA)	10.8	8.4
1975	426	13.5	61.1	34.3	(NA)	9.2	5.4	33.0	9.7	(NA)	9.1	6.8
1976	326	12.2	149.9	111.6	2.9	14.6	7.5	56.3	25.3	2.3	13.4	8.3
1977	364	23.1	144.5	112.8	3.6	13.8	6.3	91.5	63.7	3.0	12.2	6.5
1978	346	18.6	198.0	151.6	8.1	14.3	6.3	59.2	28.5	3.0	14.4	6.3
1979	410	49.7	148.3	99.4	16.5	15.1	6.2	64.7	25.6	6.6	14.4	7.5
1980	407	44.8	107.9	55.1	17.6	17.6	6.5	69.5	25.9	8.9	16.6	8.1
1981, total ⁴	334	43.5	91.5	47.8	17.5	10.8	4.2	63.8	26.9	9.1	8.5	8.9
Alaska	18	.3	2.9	7	(z)	1.2	.4	3.5	.5	(z)	.8	1.8
Arizona	17	1.3	8.5	7.1	1	.4	1	4.2	2.8	1	.2	.8
California	66	4.6	26.5	6.9	15.5	1.8	1.0	17.1	2.5	7.5	1.3	1.5
Colorado	17	.8	7.2	3.9	1	1.4	.5	4.4	1.2	1	1.0	.9
Nevada	10	16.4	10.1	9.0	.5	.3	1	2.7	2.2	1	.1	.2
New Mexico	29	17.6	9.3	8.4	1	.5	(z)	7.1	6.2	.2	.4	.1
Oregon	54	1.2	7.8	2.1	.2	2.0	7	5.0	.5	.1	1.5	1.7
Utah	39	.2	5.9	3.1	.4	.5	.3	3.7	1.2	.2	.9	.4
Wyoming	27	.6	7.7	5.7	.6	.5	.3	9.8	8.0	.3	.7	.5

NA Not available. Z Less than 50,000. ¹Includes visits to lands or sites leased to non-Federal interests for recreation purposes. Method of collecting data varied by State and year. ²Includes other types of recreation not shown separately. ³A visitor day is the aggregation of 12 visitor hours, where a visitor hour is the presence of one or more persons for periods aggregating 60 minutes. ⁴Includes States not shown separately.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

NO. 393. STATE PARK AND RECREATION AREAS—STATES: 1980 AND 1981

[For years ending June 30. Data are shown as reported by State park directors. In some States, park agency has under its control forests, fish and wildlife areas and/or other areas. In other States, agency is only responsible for State parks]

STATE	Acreage, 1981 (1,000)	VISITORS (1,000)		EXPENDITURES ¹ (mil. dol.)		STATE	Acreage, 1981 (1,000)	VISITORS (1,000)		EXPENDITURES ¹ (mil. dol.)	
		1980	1981	1980	1981			1980	1981	1980	1981
U.S.	9,326	548,882	618,080	993	965	Mo.	97	9,263	8,557	13	13
Ala.	48	6,506	5,102	13	13	Mont.	46	1,080	3,274	5	4
Alaska	2,975	2,910	3,200	(z)	3	Nebr.	133	7,282	8,144	8	8
Ariz.	26	2,352	2,322	2	4	Nev.	151	3,336	3,685	13	5
Ark.	44	5,786	6,850	15	13	N.H.	71	3,862	4,207	9	5
Calif.	1,045	58,024	63,853	318	171	N.J.	272	6,134	8,083	36	56
Colo.	159	(NA)	6,703	(NA)	15	N. Mex.	73	4,104	4,285	7	4
Conn.	197	7,300	7,290	14	5	N.Y.	266	39,729	47,500	78	73
Del.	38	2,801	2,522	4	12	N.C.	118	4,852	5,374	4	5
Fla.	249	11,489	11,507	32	34	N.Dak.	16	1,013	997	4	2
Ga.	52	11,813	9,793	10	10	Ohio	186	12,897	47,423	47	124
Hawaii	25	16,760	6,697	19	19	Okl.	95	18,294	15,359	13	17
Idaho	42	2,049	1,816	4	3	Oreg.	80	34,455	34,828	12	18
Ill.	336	32,314	31,003	37	60	Pa.	279	15,613	36,036	123	77
Ind.	54	7,691	7,663	14	14	R.I.	11	7,703	7,703	1	1
Iowa	50	8,824	16,026	8	14	S.C.	74	12,719	11,387	13	14
Kans.	31	4,342	4,169	4	4	S. Dak.	17	4,573	4,010	4	3
Ky.	40		26,677	47	41	Tenn.	130	14,989	17,455	18	22
La.	31	4,211	3,886	20	16	Tex.	187	14,022	14,503	27	54
Maine	69	1,846	2,353	2	2	Utah	69	6,718	6,537	(NA)	11
Mid.	64	5,240	5,345	17	9	Vt.	157	1,211	843	2	2
Mass.	254	9,872	10,589	15	16	Va.	53	4,402	3,543	5	7
Mich.	246	21,426	20,784	21	16	Wash.	86	37,154	35,299	19	19
Minn.	187	5,815	6,093	12	14	W. Va.	149	8,206	7,751	17	17
Miss.	21	4,065	4,171	13	10	Wis.	71	12,306	10,531	7	11
						Wyo.	123	(NA)	1,249	2	2

NA Not available. Z Less than \$500,000. ¹Covers operating expenditures and fixed capital outlay expenditures.

²Excludes capital outlay expenditures.

Source: National Association of State Park Directors, Indianapolis, Indiana, *Annual Information Exchange*.

Recreation Expenditures—Phonograph Records—Home Gardening 233

No. 384. PERSONAL CONSUMPTION EXPENDITURES FOR RECREATION: 1960 TO 1981

[In millions of dollars, except percent. Represents market value of purchases of goods and services by individuals and nonprofit institutions. See *Historical Statistics, Colonial Times to 1970*, series H 878-893, for figures issued prior to 1981 revisions]

TYPE OF PRODUCT OR SERVICE	1960	1965	1970	1975	1978	1979	1980	1981
Total recreation expenditures	17,855	25,907	41,322	65,554	88,488	96,869	106,947	117,223
Percent of total personal consumption ¹	5.5	6.0	6.6	6.7	6.8	6.8	6.4	6.4
Books and maps	1,139	1,648	2,903	3,775	5,435	6,107	6,649	7,530
Magazines, newspapers, sheet music	2,184	2,862	4,005	5,840	7,213	7,862	8,582	9,384
Nondurable toys and sport supplies	2,477	3,585	5,474	8,523	11,299	12,765	14,062	15,678
Wheat goods, durable toys, sports equip	1,978	2,886	5,146	9,734	13,670	15,136	15,503	17,074
Radio and TV receivers, records, musical instr	3,003	5,041	8,436	13,970	18,533	20,860	22,047	23,906
Flowers, seeds, and potted plants	774	933	1,279	2,248	2,823	2,875	3,343	3,676
Admissions to specified spectator amusements	703	1,272	1,775	2,965	4,126	4,452	4,889	4,999
Motion picture theaters	1,852	2,123	3,210	3,591	5,802	6,284	6,644	6,882
Legitimate theaters and opera, and entertain- ments of nonprofit institutions ²	956	1,087	1,536	1,460	2,611	2,946	2,899	2,751
Spectator sports	342	368	501	667	1,064	1,223	1,431	1,658
Clubs and fraternal organizations ³	354	668	1,173	1,444	1,927	2,115	2,314	2,453
Commercial participant amusements ⁴	726	859	1,216	1,654	1,821	2,072	2,283	2,480
Commercial participant amusements ⁴	1,200	1,695	2,189	3,615	5,079	5,364	5,969	6,431
Parimutuel net receipts	539	814	1,096	1,566	1,722	1,762	1,850	1,889
Other ⁵	1,500	2,367	4,593	8,273	11,973	13,172	15,148	17,203

¹See table 688. ²Includes boats and pleasure aircraft. ³Except athletic. ⁴Consists of dues and fees excluding insurance premiums. ⁵Consists of billiard parlors; bowling alleys; dancing, riding, shooting, skating, and swimming places; amusement devices and parks; golf courses; sightseeing buses and guides; private flying operations and other commercial participant amusements. ⁶Consists of net receipts of lotteries and expenditures for purchase of pets and pet care services, cable TV, film processing, photographic studios, sporting and recreation camps, and recreational services, not elsewhere classified.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1976*, and *Survey of Current Business*, July 1982.

No. 395. PHONOGRAPH RECORDS AND MAGNETIC TAPES—SUMMARY: 1975 TO 1981

[Domestic shipments based on reports of manufacturers representing more than 90 percent of the market. Domestic value data based on list prices of records and tapes]

TYPE OF RECORD OR TAPE	NUMBER (mil.)						VALUE (mil. dol.)					
	1975	1977	1978	1979	1980	1981	1975	1977	1978	1979	1980	1981
Domestic shipments, total	533	688	726	683	848	584	2,391	3,500	4,131	3,676	3,682	3,828
Phonograph records	421	534	531	502	465	420	1,896	2,440	2,734	2,411	2,450	2,358
Long-playing albums	257	344	341	290	306	273	1,485	2,185	2,473	2,058	2,200	2,113
Singles	184	180	190	212	157	147	212	245	260	354	250	246
Pre-recorded tapes	112	164	195	181	184	174	1,095	1,061	1,398	1,265	1,232	1,267
8-track cartridges	95	127	134	102	85	50	583	811	948	684	527	313
Cassettes	16	37	61	79	99	124	99	250	450	581	705	954
Imports for consumption ¹	76	140	(NA)	188	214	249	61	96	161	168	221	278
Phonograph records	9	15	(NA)	19	18	23	12	22	37	32	34	49
Pre-recorded tapes	7	19	29	22	20	20	3	6	10	9	13	11
Blank tapes	-	106	147	147	178	206	46	70	114	147	174	216

- Represents zero. NA Not available. ¹Includes quadraphonic and reel-to-reel tapes. ²Source: U.S. Bureau of the Census, *U.S. Imports for Consumption and General Imports*, Report FT 246, annual. Number represents net quantity imported. Value reported on f.o.b. (free alongside ship) transaction basis.

Source: Except as noted, Recording Industry Association of America, Inc., New York, N.Y., press release.

No. 396. HOME GARDENING—SUMMARY: 1975 TO 1981

[Based on national sample survey conducted by the Gallup Organization. Prior to 1981, survey respondents were questioned only about their own gardening activities. In 1981, respondents were questioned about activities of all household members. For the 1981 survey a total of 3,071 adults were interviewed. Subject to sampling variability; see source]

ITEM	1975	1980	1981	CHARACTERISTIC OF RESPONDENT	1981, PERCENT WITH—		
					Vegetable garden	Flower garden	Lawn care
Households with vegetable gardens (mil.)	35	34	36	18-29 yrs. old	41.2	45.0	61.4
Percent of total	49	43	47	30-49 yrs. old	47.8	47.4	69.4
Median size of garden (sq. ft.)	540	683	547	50 yrs. and over	51.2	47.9	63.0
Median yield per garden (dol.)	256	460	414	Northeast	41.7	40.5	55.8
Median cost per garden (dol.)	16	19	25	North Central	54.7	57.2	73.8
Percent of households—				South	48.4	40.8	64.3
With flower gardens	39	37	47	West	41.1	50.4	64.8
Engaged in lawn care	58	52	65	Central city	39.2	38.7	49.9
Growing fruits or berries	12	21	20	Suburb	42.6	44.1	68.0
With indoor houseplants	40	40	51	Small town	45.5	50.4	74.2
				Rural	69.3	55.4	73.7

Source: Gardens for All, The National Association for Gardening, Burlington, Vt., National Gardening Survey, annual. (Copyright)

No. 397. PARTICIPATION IN SELECTED OUTDOOR RECREATION ACTIVITIES: 1977

[In millions, except percent. Persons 12 years old and over. Participation from June 1976 to June 1977. Based on a home telephone survey of 4,029 persons drawn from noninstitutional population of conterminous U.S.]

ACTIVITY	PARTICIPANTS		PARTICIPATION		ACTIVITY	PARTICIPANTS		PARTICIPATION	
	Num-ber	Per-cent of popula-tion	5 or more times	For the first time		Num-ber	Per-cent of popula-tion	5 or more times	For the first time
Camping:					Tennis, outdoors.....	55.7	32	40.9	7.0
Developed areas.....	51.8	30	21.0	1.9	Other games or sports.....	94.8	55	73.1	2.6
Undeveloped areas.....	36.0	21	15.0	.7	Going to outdoor sports				
Hunting.....	32.6	19	24.5	.3	events.....	104.3	61	75.5	.9
Fishing.....	91.0	53	61.9	1.9	Visiting zoos, parks, fairs.....	123.6	72	66.1	.9
Riding off-road vehicle.....	43.6	25	33.8	2.0	Sightseeing ¹	106.5	62	61.7	1.2
Hiking, backpack.....	48.1	28	26.1	1.9	Picnicking.....	123.8	72	84.0	.3
Other walking, jogging.....	116.1	68	96.7	4.1	Pleasure driving.....	118.3	69	97.9	.7
Bicycling.....	79.4	46	66.1	1.5	Skiing, downhill.....	11.9	7	7.3	2.0
Horseback riding.....	25.2	14	13.5	1.0	Ice skating, outdoor.....	27.8	16	15.7	.9
Water skiing.....	26.8	15	13.1	2.7	Sledding.....	35.5	20	20.8	.5
Sailing.....	19.1	11	7.8	2.0	Snowmobiling.....	13.8	8	7.8	1.5
Canoeing, kayaking, etc.....	26.9	15	9.0	2.6	Parachute jumping.....	.2	(Z)	.2	.2
Other boating.....	57.3	33	34.3	1.5	Rock climbing.....	.2	(Z)	-	-
Swimming: ¹ Pool.....	107.4	63	83.5	.9	Gardening.....	3.4	2	2.7	.2
Other.....	77.9	45	59.5	.3	Exercising.....	.2	(Z)	-	.2
Scuba diving.....	.2	(Z)	.2	-	Skateboarding.....	.2	(Z)	.2	.3
Golf.....	27.1	15	18.9	2.4					

- Represents zero. Z Less than one percent. ¹ Includes sunbathing. ² Historic or national sites.
Source: U.S. Heritage Conservation and Recreation Service, unpublished data.

No. 398. SPORT FISHING AND HUNTING LICENSES—NUMBER AND COST: 1960 TO 1980

[For years ending June 30 except, beginning 1976, ending Sept. 30. See also *Historical Statistics, Colonial Times to 1970*, series H 875-876]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980
Fishing licenses: Sales.....	Million.....	23.3	25.0	31.1	34.7	34.9	34.0	32.8	35.4	35.2
Resident.....	Million.....	20.2	21.6	26.8	30.0	29.8	29.0	27.9	30.3	30.1
Nonresident.....	Million.....	3.1	3.4	4.3	4.7	5.1	5.0	4.9	5.1	5.1
Paid license holders ¹	Million.....	19.1	20.5	24.4	27.5	27.8	27.3	26.2	27.9	28.0
Cost to anglers.....	Mil. dol.....	52	63	91	142	155	156	159	174	196
Hunting licenses: Sales.....	Million.....	18.4	19.4	22.2	25.9	25.2	25.4	25.8	26.4	27.0
Resident.....	Million.....	17.8	18.5	21.0	24.7	24.0	24.1	24.4	25.0	25.6
Nonresident.....	Million.....	.6	.9	1.2	1.3	1.3	1.3	1.4	1.4	1.4
Paid license holders ¹	Million.....	² 11.8	14.3	15.4	16.6	16.3	16.2	16.3	16.6	16.3
Cost to hunters.....	Mil. dol.....	61	75	102	155	164	173	185	199	222
Federal duck stamps sold.....	1,000.....	1,629	1,566	2,072	2,222	2,219	2,197	2,209	2,216	2,090

¹ Resident and nonresident. Includes multiple counting of license holders who bought nonresident licenses as well as a home state license. ² Excludes Colo., Mich., Minn., and Wis.
Source: U.S. Fish and Wildlife Service, *Federal Aid in Fish and Wildlife Restoration*, annual.

No. 399. SPORT FISHERMEN AND HUNTERS: 1960 TO 1980

[In thousands. 1960 and 1970, persons 12 years old and over; 1975, 9 years old and over; 1980, persons 6 years old and over. 1960 and 1975, persons who fished and hunted; 1970, persons who spent \$7.50 or more and reported 3 or more fishing and hunting days in year. 1960-1970 based on samples of approximately 18,000 households; for 1975, on 20,200 individuals; for 1980, on 143,000 households. NA = Not available]

ITEM	Fisher-men and hunters, 1960	1970, PERSONS WHO—			1975, PERSONS WHO—			1980, PERSONS WHO—		
		Fished and/or hunt-ed	Fished	Hunt-ed	Fished and/or hunt-ed	Fished	Hunt-ed	Fished and/or hunt-ed	Fished	Hunt-ed
Total.....	30,435	36,277	33,158	14,336	59,536	53,929	20,591	58,854	53,846	19,407
Male.....	23,171	26,928	24,073	13,467	(NA)	37,211	18,944	41,429	36,868	17,616
Female.....	7,264	9,349	9,085	869	(NA)	16,718	1,647	17,425	16,958	1,591
Metropolitan areas.....	8,741	15,354	14,417	4,606	(NA)	36,672	11,531	25,643	24,071	5,963
Nonmetropolitan areas.....	21,693	20,923	18,741	9,731	(NA)	17,257	9,060	33,211	29,774	13,443

Source: U.S. Fish and Wildlife Service, *National Survey of Fishing and Hunting, 1960 and 1970*; and *National Survey of Fishing, Hunting, and Wildlife-Associated Recreation, 1975 and 1980*.

NO. 400. SELECTED RECREATIONAL ACTIVITIES: 1960 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series H 862-864, H 871, H 874, and H 877]

ACTIVITY	Unit	1960	1965	1970	1975	1976	1979	1980	1981
Softball, amateur: ¹									
Total participants ²	Million.....	(NA)	(NA)	16	26	29	30	30	30
Youth participants.....	1,000.....	(NA)	(NA)	255	450	570	600	650	680
Adult teams ³	1,000.....	(NA)	16	29	66	92	102	110	117
Youth teams ³	1,000.....	(NA)	(NA)	2	9	14	15	18	20
Golfers (15 rounds or more) ⁴	1,000.....	4,400	7,750	9,700	12,036	12,655	12,870	13,000	13,650
Golf courses ⁵	Number.....	6,385	8,323	10,188	12,306	12,684	12,788	12,849	12,894
9-hole.....	Number.....	3,680	4,554	5,343	6,024	5,985	6,001	5,993	5,950
19-hole and larger.....	Number.....	2,725	3,769	4,845	6,282	6,699	6,787	6,856	6,944
Classification:									
Private.....	Number.....	3,236	3,887	4,619	5,085	5,188	5,146	5,151	5,103
Daily fee.....	Number.....	2,254	3,368	4,248	5,473	5,622	5,702	5,741	5,802
Municipal.....	Number.....	895	1,068	1,321	1,748	1,894	1,940	1,957	1,989
Tennis: ⁶ Players.....	1,000.....	5,000	(NA)	10,655	⁷ 29,201	⁷ 31,217	⁷ 32,271	(NA)	⁷ 25,450
Indoor.....	1,000.....	(NA)	(NA)	(NA)	⁷ 4,072	(NA)	5,760	(NA)	⁷ 4,015
Tennis courts.....	1,000.....	(NA)	(NA)	(NA)	130.0	(NA)	160.0	(NA)	180.0
Indoor.....	1,000.....	(NA)	(NA)	(NA)	7.8	(NA)	11.9	(NA)	11.2
Tenpin bowling: ¹⁰									
Establishments.....	Number.....	8,997	10,752	9,140	8,577	8,698	8,699	8,591	8,528
Lanes.....	1,000.....	106	159	141	141	152	154	154	154
Membership, total ¹¹	1,000.....	5,538	8,010	7,733	8,751	9,717	9,649	9,595	9,621
American Bowling Congress.....	1,000.....	3,665	4,944	4,210	4,300	4,886	4,662	4,688	4,645
Women's Bowling Congress.....	1,000.....	1,543	2,736	2,968	3,692	4,177	4,163	4,118	4,049
Duckpin bowling: ¹² ¹³									
Establishments.....	Number.....	653	641	486	205	197	185	182	(NA)
Lanes.....	Number.....	8,707	8,714	6,648	3,643	3,496	3,378	3,337	(NA)
Teams.....	1,000.....	82.1	80.6	75.3	25.9	25.7	22.5	(NA)	(NA)
Motion picture theaters ¹⁴ ¹⁵	1,000.....	¹³ ¹⁶ 16	13	14	15	16	17	18	18
Four-wall.....	1,000.....	¹³ ¹⁶ 12	9	10	11	13	13	14	15
Drive-in.....	1,000.....	¹³ ¹⁶ 4	4	4	4	3	4	4	3
Receipts, box office.....	Mill. dol.....	¹³ ¹⁶ 951	927	1,225	2,115	2,643	2,821	2,749	2,966
Admission, average price.....	Dollars.....	¹³ ¹⁶ .65	¹⁷ .85	1.55	2.05	2.34	2.52	2.69	2.78
Bicycles: ¹⁸									
Domestic shipments.....	Million.....	2.6	4.6	5.0	5.6	7.5	9.0	7.0	6.8
Imports.....	Million.....	1.1	1.0	1.9	1.7	1.9	1.8	2.0	2.1
Boating: ¹⁹									
Recreational boats owned.....	Million.....	8.0	7.9	8.8	9.7	11.3	11.6	11.8	12.5
Outboard boats.....	Million.....	4.1	4.5	5.2	5.7	6.6	6.7	6.8	7.0
Inboard boats.....	Million.....	.9	.6	.6	.8	1.1	1.3	1.2	1.2
Sailboats.....	Million.....	.5	.6	.6	.8	.9	.9	1.0	1.0
Canoes.....	Million.....						1.2	1.3	1.4
Rowboats and other.....	Million.....	2.5	2.2	2.4	2.4	2.7	1.5	1.5	1.9
Expenditures, total ²⁰	Bil. dol.....	2.5	2.7	3.4	4.8	6.7	7.5	7.4	8.3
Outboard motors in use.....	1,000.....	5,800	6,645	7,215	7,649	7,680	7,958	8,241	8,527
Motors sold.....	1,000.....	468	393	430	435	450	375	315	318
Value, retail.....	Mill. dol.....	221	183	281	411	634	597	554	698
Outboard boats sold.....	1,000.....	²¹ 294	250	276	328	331	322	290	261
Value, retail.....	Mill. dol.....	(NA)	133	177	263	430	489	408	431
Inboard/outdrive boats sold.....	1,000.....	(²¹)	17	43	70	90	89	56	51
Value, retail.....	Mill. dol.....	(NA)	64	182	420	819	827	616	653
Snowmobiles: ²²									
Factory sales.....	1,000.....	(NA)	15	172	144	155	115	105	95
Apparent consumption ²³	1,000.....	(NA)	32	405	145	183	167	129	112

NA Not available. ¹Source: Amateur Softball Association, Oklahoma City, Okla. ²Amateur Softball Association teams and other amateur softball teams. ³Amateur Softball Association teams only. ⁴Source: National Golf Foundation, North Palm Beach, Fla. ⁵Prior to 1975, figures represent facilities. ⁶Source: U.S. Tennis Association, Princeton, N.J. ⁷Survey by A. C. Nielsen Co. ⁸1976 data. ⁹1982 estimates. ¹⁰Source: American Bowling Congress, Greendale, Wis. Season ending in year shown. ¹¹Includes American Jr. Bowling Congress and ABC/WIBC Collegiate Division. Beginning 1978, covers members in U.S. only. ¹²Source: National Duckpin Bowling Congress, Washington, D.C. Season beginning in year shown. ¹³Excludes Alaska and Hawaii. ¹⁴Source: Motion Picture Association of America, Inc., New York, N.Y. ¹⁵Prior to 1975, figures represent theaters; thereafter, screens. ¹⁶1958 data. ¹⁷1963 data. ¹⁸Source: Bicycle Manufacturers Association of America, Inc., Washington, D.C. ¹⁹Source: National Marine Manufacturers Association, Chicago, Ill. ²⁰Represents estimated expenditures for new and used boats, motors, accessories, safety equipment, fuel, insurance, docking, maintenance, storage, repairs, and other expenses. ²¹Inboard/outdrive boats sold included with outboard boats sold. ²²Source: U.S. International Trade Commission. Estimated. ²³Factory sales plus imports minus exports.

Source: Compiled from sources listed in footnotes.

No. 401. SELECTED SPECTATOR SPORTS: 1960 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series H 865-870 and H 872]

SPORT	Unit	1965	1966	1979	1975	1978	1979	1985	1981
Baseball, major leagues: ^{1 2}									
Attendance.....	1,000.....	20,261	22,806	29,191	30,373	41,402	44,262	43,746	³ 27,295
Regular season.....	1,000.....	19,911	22,442	28,747	29,789	40,637	43,550	43,014	³ 28,544
National League.....	1,000.....	10,685	13,581	16,862	16,600	20,107	21,178	21,124	³ 12,478
American League.....	1,000.....	9,227	8,661	12,085	13,189	20,530	22,372	21,890	³ 14,066
Playoffs.....	1,000.....	(x)	(x)	191	276	428	344	407	403
World Series.....	1,000.....	350	364	253	306	337	368	325	338
Basketball: ⁴									
College: ⁵ Teams.....	Number...	(NA)	(NA)	(NA)	(NA)	1,253	1,240	1,258	1,275
Attendance.....	1,000.....	(NA)	(NA)	(NA)	(NA)	29,104	30,025	30,692	30,935
Professional, attendance ¹⁶	1,000.....	1,968	2,750	¹⁷ 7,113	¹⁸ 10,954	10,672	10,685	10,677	10,266
Football:									
College: ⁵ Teams.....	Number...	620	616	617	634	643	643	642	648
Attendance.....	1,000.....	20,403	24,663	29,486	31,688	34,252	35,020	35,541	35,807
Pro: ⁹ Total attendance.....	1,000.....	⁹ 4,154	⁹ 6,547	9,992	10,689	13,395	13,812	14,017	14,227
Regular season.....	1,000.....	⁹ 4,054	⁹ 6,416	9,533	10,213	12,771	13,182	13,392	13,607
Average per game.....	Number...	¹⁰ 40,106	¹⁰ 47,286	52,381	56,116	57,017	56,846	59,787	60,745
Postseason games ¹¹	1,000.....	⁹ 100	⁹ 131	458	476	624	630	625	620
North American Soccer League: ¹²									
Teams.....	Number...	(x)	(x)	6	20	24	24	24	21
Attendance.....	1,000.....	(x)	(x)	(NA)	1,625	5,351	5,800	6,194	5,429
National Hockey League: ^{4 13}									
Regular season attendance.....	1,000.....	2,367	2,823	5,992	9,522	8,526	8,333	¹⁴ 10,534	10,726
Playoffs attendance.....	1,000.....	187	304	462	784	886	694	¹⁴ 977	966
World Hockey Association: ^{4 15}									
Regular season attendance.....	1,000.....	(x)	(x)	(x)	4,096	2,890	2,193	(¹⁴)	(¹⁴)
Playoffs attendance.....	1,000.....	(x)	(x)	(x)	336	231	186	(¹⁴)	(¹⁴)
Horseracing: ^{16 17} Racing days.....	Number...	6,099	8,051	9,982	13,110	13,147	13,160	13,133	13,464
Attendance.....	1,000.....	46,879	62,867	69,704	78,662	75,324	72,783	74,890	75,463
Parimutuel turnover.....	Mil. dol....	3,358	4,815	5,977	7,862	10,029	10,726	11,218	11,677
Revenue to government.....	Mil. dol....	258	370	486	582	673	661	713	680
Greyhound: ¹⁶ Racing days.....	Number...	2,478	3,443	3,023	3,960	5,501	6,110	5,855	6,379
Attendance.....	1,000.....	7,924	10,865	12,660	17,458	20,272	21,127	20,874	21,424
Parimutuel turnover.....	Mil. dol....	322	460	730	1,261	1,746	1,985	2,064	2,173
Revenue to government.....	Mil. dol....	22	33	53	91	126	145	152	152

NA Not available. X Not applicable. ¹Excludes Alaska and Hawaii. ²Source: The National League of Professional Baseball Clubs, New York, N.Y., *National League Green Book*; and The American League of Professional Baseball Clubs, New York, N.Y., *American League Red Book*. ³Season was interrupted by strike. ⁴Season ending in year shown. ⁵Source: National Collegiate Athletic Assn., Shawnee Mission, Kans. ⁶Source: National Basketball Assn., New York, N.Y. Includes playoffs. ⁷Includes American Basketball Assn., which, beginning 1977, ceased operation. ⁸Source: National Football League, New York, N.Y. ⁹Includes American Football League. Beginning 1970, American Football League merged with National Football League. ¹⁰Covers NFL games only. ¹¹Beginning 1970, includes Pro Bowl, a non-championship game. ¹²Source: North American Soccer League New York, N.Y. ¹³Source: National Hockey League, Montreal, Quebec. ¹⁴World Hockey Association ceased operation after 1978-1979 season. Four former W.H.A. teams joined NHL in 1979-1980 season. ¹⁵Source: The World Hockey Assn., Hartford, Conn. ¹⁶Source: National Assn. of State Racing Commissioners, Lexington, Ky. ¹⁷Includes thoroughbred, harness, quarter horse, and fairs.

Source: Compiled from sources listed in footnotes.

No. 402. FINANCIAL SUPPORT OF THE ARTS BY PRIVATE BUSINESS—SUMMARY: 1967 TO 1979

[Based on a sample survey of business organizations listed in Dun & Bradstreet's Million Dollar Directory and Middle Market Directory. For 1979, 1,343 of 17,172 companies responded. Subject to sampling variability; contact source for details]

YEAR	TOTAL SUPPORT (mil. dol.)		TYPE OF ART FORM	PERCENT OF CONTRIB- UTORS SUPPORTING—			PERCENT OF TOTAL SUPPORT GIVEN TO—		
	Current dollars	Constant (1970) dollars		1973	1978	1979	1978	1978	1979
1967.....	22	26	Museums.....	20	53	53	18	22	19
1970.....	68	66	Symphony orchestras.....	27	88	69	13	12	12
1973.....	144	126	Public radio, television.....	11	36	35	11	19	11
1976.....	221	151	Art or cultural centers.....	15	34	37	9	9	10
1979.....	436	233	Art funds, councils.....	13	33	36	7	5	7
			Theaters.....	11	42	51	3	7	7
			Art exhibits.....	5	14	15	4	1	5

Source: Business Committee for the Arts, Inc., New York, N.Y., press release.

NO. 403. FEDERAL AID TO THE ARTS AND HUMANITIES: 1970 TO 1981

(In millions of dollars, except as indicated. For years ending June 30 except, beginning 1977, ending Sept. 30)

TYPE OF FUND AND PROGRAM	1970	1971	1974	1975	1976	1977	1978	1979	1980	1981
National Endowment for the Arts:										
Funds available ¹	18.7	45.3	71.8	88.9	95.6	114.5	142.0	179.6	186.1	188.8
Program appropriation	6.3	34.7	64.3	67.3	74.5	77.5	89.1	102.1	97.0	113.9
Non-Federal gifts ²	2.0	3.8	7.3	7.7	7.5	16.5	25.5	37.5	42.9	34.9
Matching funds ³	2.0	3.5	6.5	7.5	7.5	16.5	25.5	37.5	42.9	34.9
Grants awarded (number)	556	2,112	2,957	3,071	4,325	4,302	4,225	5,090	5,651	6,486
Funds obligated	12.8	42.0	67.6	81.7	82.8	112.6	141.9	178.4	186.4	150.6
Music	2.5	10.4	16.1	14.9	17.2	17.3	19.5	19.4	13.6	16.2
State arts agencies	1.8	6.9	10.6	14.7	15.6	18.3	18.8	22.8	22.1	23.7
Museums	(na)	4.6	9.0	10.8	11.4	10.9	12.4	11.6	11.2	13.2
Theater	2.8	3.3	5.0	8.4	6.3	6.9	7.5	8.3	8.4	10.8
Dance	1.7	2.8	3.9	6.1	5.6	6.0	7.0	8.1	8.0	9.1
Public media	.2	2.8	4.9	5.4	9.3	6.0	9.0	8.4	8.4	12.8
Challenge ⁴	(0)	(0)	(0)	(0)	(0)	16.0	36.0	59.8	50.6	14.9
Other	3.6	11.3	16.3	23.3	27.2	29.2	31.7	42.0	43.6	49.9
National Endowment for the Humanities:										
Funds available ¹	13.0	47.5	65.6	86.0	98.8	124.3	137.8	166.9	186.2	185.1
Program appropriation	6.1	34.5	44.5	67.3	72.0	77.6	87.8	98.3	100.3	106.5
Non-Federal gifts ²	2.0	3.5	6.5	6.5	7.5	16.0	25.0	36.5	36.4	33.5
Matching funds ³	2.0	3.5	6.5	6.5	7.5	16.0	25.0	36.5	36.4	33.5
Grants awarded (number)	542	1,256	1,293	1,330	1,614	2,045	2,701	2,600	2,642	2,632
Funds obligated	10.5	40.5	60.2	73.1	86.6	116.8	149.0	165.1	185.5	144.3
Education programs	4.2	11.6	17.1	17.1	20.0	20.1	19.8	20.0	18.3	17.3
State programs	(0)	(0)	(0)	(0)	(0)	16.9	20.6	24.7	26.0	26.0
Research grants	2.0	9.7	13.7	13.4	16.8	22.2	26.3	32.2	32.0	25.5
Fellowship program	1.7	7.4	7.5	10.9	11.7	13.2	15.5	16.6	18.0	17.5
Public programs	1.7	9.7	19.0	26.3	31.2	15.7	19.4	23.7	25.1	21.5
Special programs and planning	.9	1.9	2.9	5.5	5.1	6.6	7.9	12.1	12.6	12.5
Challenge ⁴	(0)	(0)	(0)	(0)	(0)	19.1	39.5	55.6	53.5	24.0

NA Not available. X Not applicable.

¹Includes other funds, not shown separately. Excludes administrative funds.²Gifts received by the Endowment for the support of a cultural organization, which release a like amount in Federal funds.³Represents Federal funds appropriated only upon receipt by Endowment of matching non-Federal gifts. ⁴Program designed to stimulate new sources and higher levels of giving to institutions for the purpose of guaranteeing long-term stability and financial independence. Program requires a match of 3 private dollars to each Federal dollar. Funds for Challenge grants are not allocated by program area because they are awarded on a grant-by-grant basis.Source: U.S. National Endowment for the Arts, *Annual Report*; and U.S. National Endowment for the Humanities, *Annual Report*.

NO. 404. STATE LEGISLATIVE APPROPRIATIONS FOR STATE ARTS AGENCIES: 1975 TO 1982

(For fiscal years ending in year shown. Fiscal years for most States ended June 30)

STATE	1975, total (\$1,000)	1980, total (\$1,000)	1981, total (\$1,000)	1982		STATE	1975, total (\$1,000)	1980, total (\$1,000)	1981, total (\$1,000)	1982	
				Total (\$1,000)	Per capita ¹ (dol.)					Total (\$1,000)	Per capita ¹ (dol.)
Total	58,152	101,029	110,236	120,441	(X)	Nev	15	87	88	101	13
Ala	125	525	473	524	14	N.H.	45	153	162	50	.05
Alaska	216	1,575	1,931	4,702	11.74	N.J.	793	3,333	2,983	3,039	.41
Ariz	63	233	264	432	17	N. Mex	65	203	215	409	.32
Ark	167	648	858	753	.33	N.Y.	35,653	33,265	33,179	35,425	2.02
Calif	1,000	7,891	10,634	11,500	.44	N.C.	222	1,379	1,862	2,405	.41
Colo	1,251	609	730	771	.27	N. Dak	5	101	100	144	.22
Conn	394	1,305	1,143	872	.26	Ohio	978	4,709	4,707	5,330	.49
Del	43	123	175	396	.67	Okl	95	552	575	1,193	.39
DC	30	356	651	784	1.23	Oreg	53	335	349	369	.14
Fla	399	2,378	2,115	3,832	.39	Pa.	1,490	2,594	3,086	4,006	.34
Ga	102	1,102	1,310	1,586	.29	R.I.	267	359	403	394	.42
Hawaii	599	1,545	1,968	2,344	2.43	S.C.	598	941	1,023	1,070	.34
Idaho	23	86	117	104	.11	S. Dak	65	155	157	167	.24
Ill	925	2,246	3,168	2,870	.25	Tenn	412	517	514	483	.11
Ind	161	1,277	1,276	1,294	.24	Tex	180	1,215	1,225	1,481	.10
Iowa	71	313	265	305	.10	Utah	268	1,068	1,146	1,236	.65
Kans	79	262	343	361	.16	Vt	50	106	137	162	.32
Ky	226	857	1,005	1,226	.34	Va	266	1,230	1,230	1,301	.24
La	60	867	2,003	2,021	.48	Wash	246	579	602	592	.14
Maine	163	180	207	207	.18	W. Va	360	1,563	1,696	2,009	1.03
Md.	450	1,345	1,564	1,324	.31	Wis	80	719	716	791	.17
Mass	1,600	2,300	4,000	4,000	.70	Wyo	15	63	66	66	.18
Mich	2,109	6,078	5,087	5,241	.57	Am. Samoa	60	43	75	80	2.47
Minn	300	2,845	2,761	2,052	.50	Guam	37	74	77	84	.79
Miss	113	307	380	440	.18	No.	-	-	10	10	.59
Mo.	1,249	2,531	2,489	2,346	.46	Marianas	-	-	-	-	-
Mont	26	93	87	129	.16	P.R.	3,605	4,960	5,976	5,021	1.58
Neb	129	399	434	459	.29	VI	180	103	103	108	1.13

- Represents zero. X Not applicable.

¹Based on enumerated resident population as of April 1, 1980.

Source: National Assembly of State Arts Agencies, Washington, D.C., unpublished data.

No. 405. PERFORMING ARTS—SELECTED DATA: 1960 TO 1981

[Receipts and expenditures in millions of dollars. For season ending in year shown, except as indicated]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Legitimate theater: ¹										
Broadway shows:										
New productions.....	58	67	62	59	62	63	54	47	67	53
Playing weeks ^{2,3}	1,156	1,250	1,047	1,101	1,136	1,347	1,380	1,472	1,545	1,461
Number of tickets sold (1,000).....	(NA)	(NA)	(NA)	(NA)	7,181	8,815	8,621	9,115	10,622	10,025
Gross box office receipts.....	45.7	50.5	53.3	57.4	70.8	93.4	103.8	128.1	194.4	221.2
Road shows:										
Playing weeks ²	728	643	1,024	799	814	987	1,025	1,192	1,343	1,317
Gross box office receipts.....	27.3	25.9	48.0	50.9	52.6	82.6	105.6	143.9	218.9	249.5
Opera companies ⁴	754	732	648	987	913	914	956	956	988	1,019
Major.....	(NA)	27	35	54	65	68	78	95	109	127
Expenditures.....	(NA)	(NA)	38.5	(NA)	71.8	79.7	96.3	111.5	133.6	161.6
Other companies.....	403	296	266	335	412	424	458	458	458	456
Workshops.....	351	409	347	418	436	422	420	415	419	436
Performances.....	4,232	4,176	4,779	6,428	7,109	7,389	7,806	8,554	9,391	9,683
Operas performed.....	287	331	341	387	427	427	448	498	497	559
World premieres.....	(NA)	(NA)	17	16	45	33	42	64	79	88
Attendance (mil.).....	(NA)	(NA)	4.6	8.0	8.9	9.2	9.8	9.9	10.7	11.1
Symphony orchestras ⁵	1,226	1,385	1,441	1,463	1,410	1,453	1,470	1,540	1,572	1,572
College.....	250	290	298	300	356	356	278	379	385	385
Community ⁶	933	1,032	1,019	1,003	872	888	950	909	926	926
Urban.....	(⁷)	(⁷)	24	41	56	89	76	79	85	85
Metropolitan.....	18	38	72	90	79	88	106	113	115	115
Regional.....	(⁷)	(⁷)	(⁷)	(⁷)	16	23	29	29	29	30
Major.....	25	25	28	29	31	31	31	31	32	31
Concerts.....	(NA)	5,558	6,509	14,171	14,776	17,421	18,027	22,096	22,229	19,327
Attendance (mil.).....	(NA)	11.6	12.7	18.3	20.0	21.0	21.4	22.4	22.6	22.8
Gross income.....	(NA)	52.0	73.3	124.5	137.0	154.1	178.1	216.8	246.3	288.9
Earned income.....	(NA)	(NA)	43.1	70.9	78.3	89.0	102.5	122.6	141.2	163.3
Contributed income.....	(NA)	(NA)	30.2	53.6	58.7	65.1	75.6	94.2	105.1	125.6
Gross expenses.....	(NA)	53.0	76.4	129.5	141.5	160.9	183.1	221.0	252.1	269.3

NA Not available. ¹Source: *Variety*, New York, N.Y., June 2, 1982 issue (copyright). ²All shows (new productions and holdovers from previous seasons). ³Eight performances constitute one playing week. ⁴Source: Central Opera Service, New York, N.Y., *Central Opera Service Bulletin*, periodic. Major companies have annual budgets of \$100,000 or more and issue American Guild of Musical Artists (AGMA) contracts to all soloists. Workshops are primarily college and university opera companies. ⁵Source: American Symphony Orchestra League, Inc., Vienna, Va. For years ending Aug. 31. Orchestras other than college groups are principally defined by their annual budgets: As of 1981, community, under \$70,000; urban, \$70,000–\$175,000; metropolitan, \$175,000–\$700,000; regional, \$700,000–\$2,500,000; and major, over \$2,500,000. Prior to 1961, other budget classifications were in effect. ⁶Beginning 1978, includes youth and chamber groups with budgets under \$70,000. ⁷Classification began in 1967. ⁸Classification began in 1976.

Source: Compiled from sources listed in footnotes.

No. 406. NONPROFIT MUSEUMS—SELECTED CHARACTERISTICS, BY TYPE OF MUSEUM: 1979

[For fiscal years of museums ending in 1979. Based on a sample of 1,373 nonprofit museums. Subject to sampling variability; see source]

ITEM	Unit	Total	History	Sci-ence	Art	Gener-al	Spe-cialized	Park and visitor centers	Child-ren's and junior
Museums.....	Number.....	4,408	2,204	800	609	382	197	165	51
Percent with general admission fee..	Percent.....	31.8	33.3	38.8	15.9	24.8	61.5	14.8	40.7
Private nonprofit institution.....	Number.....	2,354	1,335	273	387	193	140	15	32
Government.....	Number.....	1,466	746	323	73	131	45	145	5
Educational institution.....	Number.....	476	48	188	166	51	13	1	12
Other.....	Number.....	115	77	17	5	8	1	6	2
Operating income.....	Mil. dol.....	1,088	261	380	294	88	27	30	8
Earned income.....	Mil. dol.....	480	101	160	143	31	16	5	3
Federal government.....	Mil. dol.....	146	48	52	25	8	1	13	1
State government.....	Mil. dol.....	126	67	25	14	14	1	4	(Z)
Local government.....	Mil. dol.....	188	18	96	42	21	3	6	2
Individual contributions.....	Mil. dol.....	47	9	14	19	3	2	(Z)	1
Foundations.....	Mil. dol.....	46	6	18	16	3	1	1	1
Corporations.....	Mil. dol.....	26	3	6	14	2	1	(Z)	(Z)
Other.....	Mil. dol.....	48	7	10	23	5	2	1	(Z)
Operating expenditures ¹	Mil. dol.....	1,005	226	368	264	84	27	28	6
Administration.....	Mil. dol.....	200	55	55	60	16	6	6	2
Building and maintenance.....	Mil. dol.....	190	48	71	40	14	5	10	1
Exhibits.....	Mil. dol.....	131	24	58	34	9	4	1	1
Curatorial.....	Mil. dol.....	126	22	51	36	15	2	2	1
Annual attendance.....	Million.....	347.8	65.6	150.3	49.8	24.4	8.7	26.2	2.7
Regular full-time staff.....	Number.....	37,533	8,964	13,439	9,862	3,100	897	861	410

Z Less than \$500,000. ¹Excludes museums not reporting expenditure distributions. Total includes other types of expenditures, not shown separately.

Source: U.S. National Center for Education Statistics, *Museum Program Survey*, 1979.

NO. 407. VOLUME AND CHARACTERISTICS OF TRAVEL: 1972 AND 1977

[A trip is counted each time a person goes at least 100 miles away from home. Based on Census of Transportation, National Travel Survey, see Appendix III]

CHARACTERISTIC	1972				1977					
	Person-trips		Person-miles ¹		Household trips		Person-trips		Person-miles ¹	
	Num- ber (mil.)	Per- cent	Num- ber (bil.)	Per- cent	Num- ber (mil.)	Per- cent	Num- ber (mil.)	Per- cent	Num- ber (bil.)	Per- cent
Total.....	458	100.0	362	100.0	313	100.0	539	100.0	362	100.0
Auto/truck, no camping equipment.....	356	77.7	229	63.3	222	71.1	411	76.3	206	54.4
Auto/truck with camping equipment.....	34	7.4	28	7.7	14	4.4	31	5.8	23	5.9
Bus.....	8	1.8	6	1.6	12	3.8	15	2.8	9	2.3
Train.....	2	.4	2	.5	3	1.0	4	.8	4	1.0
Airplane.....	54	11.8	94	25.9	52	16.7	66	12.2	126	33.0
Other ²	4	.8	4	1.2	9	2.9	13	2.3	13	3.4
Purpose of trip: Visiting.....	176	38.4	140	38.7	101	32.2	198	36.8	140	36.7
Business/convention.....	93	20.2	80	22.0	87	27.7	105	19.6	87	22.8
Outdoor recreation.....	57	12.4	33	9.0	36	11.5	71	13.1	36	9.3
Entertainment, sightseeing.....	61	13.3	56	15.3	37	11.8	70	13.0	58	15.3
Personal, shopping, medical.....	72	15.7	54	14.9	38	12.2	71	13.1	44	11.6
Other.....					14	4.6	24	4.4	17	4.4
Round-trip distance:										
200-399 miles.....	189	41.2	55	15.1	155	49.5	272	50.5	75	19.6
400-599 miles.....	92	20.0	44	12.1	53	17.0	94	17.4	46	11.9
600-799 miles.....	45	9.9	31	8.5	24	7.6	41	7.5	26	7.3
800-999 miles.....	25	5.5	22	6.1	14	4.5	24	4.5	21	5.6
1,000-1,999 miles.....	48	10.4	66	18.1	29	9.3	48	8.8	67	17.4
2,000 miles and over.....	41	8.9	145	40.0	27	8.8	43	7.9	148	38.1
Outside United States.....	18	4.0	(x)	(x)	10	3.3	18	3.3	(x)	(x)
Duration of trip:										
No nights out of town.....	83	18.0	31	8.6	64	20.3	101	18.7	32	8.4
1 night.....					52	16.6	89	16.5	38	9.8
2-3 nights.....					108	34.7	193	35.8	103	26.9
4-9 nights.....	360	78.6	297	81.7	61	19.6	108	20.0	117	30.6
10-15 nights.....					15	4.9	26	5.2	51	13.3
16 nights or more.....	16	3.4	35	9.7	12	3.9	20	3.8	42	11.0
Number on trip:										
1 person.....	120	26.2	106	29.3	186	59.4	186	34.6	147	38.5
2 persons.....	131	28.5	109	30.3	79	25.2	164	30.5	119	31.2
3-4 persons.....					39	12.4	137	25.5	86	22.5
5 persons or more.....	206	45.3	147	40.6	9	3.0	51	9.5	30	7.9

X Not applicable. ¹ Miles of travelers adjusted for circuitry based on type of transport. ² Includes different means of going and coming.

NO. 408. U.S. TRAVEL, BY SELECTED CHARACTERISTICS OF TRAVELERS: 1977

[See headnote, table 407]

CHARACTERISTIC	TRAVELERS						HOUSEHOLDS ²			
	Total		Person-trips		Person-miles ¹		Traveling		Nontraveling	
	Number (mil.)	Per- cent	Number (mil.)	Per- cent	Number (bil.)	Per- cent	Number (mil.)	Per- cent	Number (mil.)	Per- cent
Total.....	198	100.0	539	100.0	362	100.0	54	100.0	21	100.0
Male.....	67	49.2	296	54.8	212	55.3	42	78.4	13	63.2
Female.....	69	50.8	244	45.2	171	44.7	12	21.6	8	36.8
White.....	124	91.1	505	93.7	356	93.2	49	90.6	17	81.2
Black and other.....	12	8.9	34	6.3	26	6.8	5	9.4	4	18.8
Under 18 years.....	38	28.0	116	21.5	73	19.0	(z)	(z)	-	-
18-24 years.....	19	13.7	62	11.5	40	10.4	5	10.1	2	7.6
25-44 years.....	40	29.3	193	35.8	138	36.0	23	41.9	6	28.0
45-64 years.....	29	21.3	135	25.0	104	27.1	18	33.8	6	29.3
65 and over.....	10	7.7	33	6.2	29	7.5	8	14.2	7	35.1
Owned dwelling.....	101	74.3	404	74.9	288	75.2	37	67.9	12	57.5
Rented dwelling ³	35	25.7	138	25.1	95	24.8	17	32.1	9	42.5
Family income:										
Under \$5,000.....	12	8.8	35	6.5	24	6.3	7	12.4	7	33.4
\$5,000-\$7,499.....	11	8.1	33	6.1	24	6.2	5	9.8	4	17.1
\$7,500-\$9,999.....	10	7.6	33	6.2	23	5.9	5	9.1	2	10.8
\$10,000-\$14,999.....	31	22.6	111	20.6	73	19.1	12	23.2	4	18.6
\$15,000-\$19,999.....	26	18.9	102	18.8	65	17.3	9	17.4	2	12.0
\$20,000-\$24,999.....	20	14.9	85	15.8	58	15.3	7	12.7	1	4.6
\$25,000 and over.....	26	19.2	140	25.9	114	29.8	8	15.4	1	3.8

- Represents zero. Z Fewer than 500 thousand or .05 percent. ¹ See footnote, 1, table 407. ² For sex, race, and age, refers to householder; see text, pp. 3 and 4. ³ Includes occupied without cash payment.

Source of tables 407 and 408: U.S. Bureau of the Census, *Census of Transportation, 1977, National Travel Survey*.

No. 409. CHARACTERISTICS OF HOUSEHOLD TRIPS, BY PURPOSE OF TRIP: 1977

[See headnote, table 407]

CHARACTERISTIC	Total household trips (mil.)	PERCENT						
		Total	Visit relatives, friends	Business, convention	Outdoor recreation	Personal affairs, medical	Entertainment	Sightseeing
Total.....	313	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Means of transport:								
Auto/truck.....	236	75.5	81.5	61.9	90.2	82.3	75.1	67.3
Bus	12	3.8	2.8	1.2	3.6	2.6	8.9	11.5
Train	3	1.0	1.2	1.5	.2	.9	.8	1.0
Airplane.....	52	16.7	11.4	33.0	3.9	10.3	12.6	17.3
Other ¹	9	2.9	3.2	2.4	2.1	4.0	2.6	2.9
Used a travel agent.....	24	7.6	4.9	11.5	3.5	3.9	10.3	19.2
Rented a car.....	16	5.1	2.1	11.3	2.0	2.9	4.6	5.9

¹ Includes different means of going and coming.
Source: U.S. Bureau of the Census, *Census of Transportation, 1977, National Travel Survey*.

No. 410. PASSPORTS, BY CHARACTERISTICS OF TRAVELERS AND OBJECT: 1960 TO 1981

[In thousands. Total passports are actual count; all other data based on a sample and prorated to total passports. Data subject to error since sample size varied through 1970; beginning 1974, based on a sample of approximately 10 percent of total volume of passports. Data refer to number of passports issued, not travelers. Excludes passport renewals. A single passport may cover more than one trip and more than one person. See also *Historical Statistics, Colonial Times to 1970*, series H 899-920]

CHARACTERISTIC	1960	1965	1970	1974	1976	1978	1977	1978	1973	1980	1981
Total passports.....	853	1,330	2,219	2,415	2,334	2,817	3,107	3,234	3,170	3,020	3,222
Male	420	699	1,124	1,155	1,128	1,354	1,496	1,555	1,543	1,497	1,552
Female.....	433	631	1,095	1,260	1,206	1,463	1,611	1,679	1,627	1,523	1,670
Under 20 years.....	83	198	362	448	405	480	511	541	567	516	524
20-29 years.....	148	264	507	491	458	530	566	580	581	541	567
30-39 years.....	143	206	293	346	345	432	499	535	547	533	584
40-49 years.....	136	217	356	371	347	423	452	472	465	437	470
50-59 years.....	156	203	341	383	364	484	527	545	506	474	493
60 years and over.....	187	242	360	374	395	466	552	561	504	519	584
Object of travel: ¹											
Pleasure, personal reasons.....	673	1,022	2,008	1,767	1,692	2,114	2,106	2,389	2,094	2,076	2,266
Business	24	76	40	268	273	273	191	164	202	162	144
Education.....	31	31	20	153	132	128	79	75	93	60	62
Religion, health, other.....	9	10	5	21	26	16	11	13	15	13	11
Government.....	116	191	146	149	132	135	154	143	147	136	140
Not stated.....	(NA)	(NA)	(NA)	57	79	153	564	450	619	553	599

NA Not available. ¹ Data not entirely comparable because of changes in classifications.
Source: U.S. Dept. of State, Bureau of Consular Affairs, *Summary of Passport Statistics*, annual.

No. 411. FOREIGN TRAVEL TO THE U.S.—TRAVELERS AND EXPENDITURES: 1965 TO 1981

[Travelers in thousands; expenditures in millions of dollars. Includes travelers for business and pleasure, foreigners in transit through the United States, and students; excludes travel by foreign government personnel and foreign businessmen employed in the United States. Travelers from overseas excludes Canada and Mexico. See also *Historical Statistics, Colonial Times to 1970*, series H 946-951]

AREA OF ORIGIN	1965	1970	1974	1976	1979	1977	1978	1978 ¹	1980 ¹	1981 ¹
Travelers from overseas	1,204	2,288	3,709	3,674	4,456	4,509	5,764	7,230	7,709	8,099
Western Europe	564	964	1,544	1,500	1,892	1,885	2,483	3,135	3,368	3,531
Caribbean, Central America	(NA)	484	508	478	573	578	703	655	635	669
South America.....	(NA)	318	401	438	510	573	773	995	1,168	1,220
Japan.....	44	207	764	747	786	750	888	1,095	2,335	2,449
Other.....	596	295	483	511	715	723	919	1,150		
Total expenditures	1,545	2,709	4,845	5,464	6,679	7,175	8,421	10,118	12,111	14,623
Canada.....	490	859	1,225	1,561	1,963	2,150	2,248	2,092	2,428	2,624
Mexico.....	390	583	1,142	1,311	1,364	1,316	1,456	1,975	2,522	3,828
U.S. border area.....	(NA)	520	858	972	1,023	967	951	1,266	1,614	2,600
Western Europe	200	318	570	611	652	1,003	1,323	1,667	1,942	2,152
Caribbean, Central America	(NA)	170	216	206	289	276	322	375	417	474
South America.....	(NA)	164	237	303	360	455	680	793	977	1,106
Japan.....	27	101	402	410	439	450	539	699	774	865
Other.....	273	136	240	295	455	500	635	840	998	1,117
Fares to U.S. carriers ²	165	377	813	767	937	1,025	1,236	1,677	2,053	2,455

NA Not available. ¹ Preliminary data for number of travelers. ² Includes fares paid to and from the United States only.
Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1982 and earlier issues.

NO. 412. U.S. TRAVEL TO FOREIGN COUNTRIES—TRAVELERS AND EXPENDITURES: 1960 TO 1981

[Travelers in thousands; expenditures in millions of dollars, except as indicated. Covers residents of United States and Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series H 921-940]

ITEM AND AREA	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981 ¹
Total overseas travelers²	1,634	2,623	5,260	6,354	6,897	7,330	7,790	7,835	6,163	8,040
Region of destination:										
Europe and Mediterranean.....	832	1,405	2,898	3,185	3,523	3,920	4,105	4,068	3,934	3,931
Average length of stay (days).....	(NA)	39	27	24	24	19	20	20	21	(NA)
Caribbean and Central America.....	641	891	1,663	2,065	2,201	2,203	2,365	2,533	2,624	2,453
South America.....	71	127	249	447	436	483	515	434	594	567
Other.....	90	200	450	657	737	764	805	800	1,011	1,089
Total expenditures³	2,623	3,768	6,100	10,143	16,968	11,924	13,155	14,575	18,566	(NA)
Foreign flag carriers ⁴	513	720	1,215	2,263	2,568	2,748	2,896	3,184	3,607	4,487
United States flag carriers ⁴	360	610	985	1,463	1,444	1,725	1,784	1,978	2,504	(NA)
Expenditures abroad.....	1,750	2,436	3,980	6,417	6,856	7,451	8,475	9,413	10,397	11,460
Canada.....	360	600	1,018	1,306	1,371	1,433	1,407	1,599	1,817	2,033
Mexico.....	383	540	778	1,637	1,723	1,918	2,121	2,460	2,564	2,880
Total overseas areas.....	967	1,296	2,184	3,474	3,762	4,100	4,947	5,354	6,016	6,547
Europe and Mediterranean.....	682	864	1,425	1,918	2,150	2,396	2,942	3,185	3,412	3,587
Average per trip ⁵ (dollars).....	830	611	490	602	610	612	717	783	867	912
Average per day (dollars).....	(NA)	15.67	18.15	25.19	25.42	32.21	35.85	39.15	41.28	(NA)
Caribbean and Central America.....	166	220	390	787	784	790	888	1,019	1,134	1,277
South America.....	45	68	90	242	232	254	306	288	392	383
Japan.....	36	60	97	131	145	149	155	142	185	214
Other.....	48	86	182	396	451	509	656	720	893	1,086

NA Not available. ¹ Preliminary. ² Excludes the following: Travel to Canada and Mexico; travel between conterminous United States and Alaska, Hawaii, Puerto Rico, and Virgin Islands; cruise travelers; military personnel and other Govt. employees and their dependents stationed abroad, and U.S. citizens residing abroad. ³ Includes shore expenditures of cruise travelers; excludes travel expenditures of military personnel and other Govt. employees and their dependents stationed abroad, and U.S. citizens residing abroad. ⁴ Excludes passenger fares of emigrant aliens. ⁵ Excludes transatlantic passenger fares.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1982.

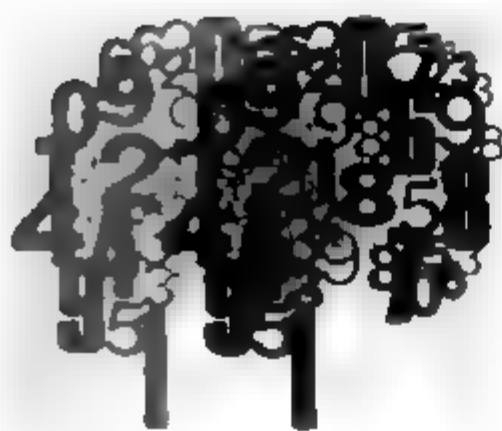
NO. 413. AIR TRAVEL BETWEEN THE UNITED STATES AND FOREIGN COUNTRIES: 1975 TO 1981

[In thousands. Covers passengers on international commercial flights arriving at and departing from U.S. airports. Excludes traffic between U.S. and Canada, border crossers, crewmen, and military personnel. Travelers between U.S. ports in the 50 States, Puerto Rico, Guam, or the Virgin Islands; and any other outlying area are included. Data compiled from flight reports of U.S. Immigration and Naturalization Service. Selection of countries based on minimum of 225,000 arrivals in 1961. For related data, see also *Historical Statistics, Colonial Times to 1970*, series C 296-331]

FLAG OF CARRIER AND COUNTRY	ARRIVALS					DEPARTURES				
	1975	1976	1979	1980	1981	1975	1976	1979	1980	1981
Total passengers.....	12,646	16,955	19,262	20,262	20,881	12,053	15,800	16,126	19,256	19,911
Flag of carrier:										
United States.....	6,503	8,551	9,871	10,031	10,265	5,913	7,834	9,142	9,369	9,581
Foreign.....	6,143	8,405	9,411	10,231	10,615	6,141	7,966	8,986	9,886	10,330
Country of embarkation or debarcation: ¹										
Australia.....	106	147	206	227	229	103	159	222	245	258
Bahamas, The.....	758	993	1,079	1,123	1,053	704	865	925	1,006	927
Belgium.....	144	113	187	242	249	134	100	173	231	238
Bermuda.....	398	426	469	497	451	372	405	444	467	417
Brazil.....	212	219	253	300	311	206	217	252	291	301
Colombia.....	173	232	281	315	334	171	230	272	299	315
Denmark.....	222	248	260	267	251	188	214	238	254	243
Dominican Republic.....	336	429	465	468	495	322	402	419	443	466
France.....	512	656	707	689	686	470	569	646	635	648
Germany, Fed. Rep. of.....	622	963	1,053	1,175	1,182	649	897	1,003	1,178	1,149
Hong Kong.....	98	112	187	226	230	59	76	127	152	166
Ireland.....	220	244	263	220	229	163	200	236	212	219
Italy.....	431	530	572	537	493	409	486	517	495	460
Jamaica.....	457	427	492	429	479	416	370	432	382	435
Japan.....	1,095	1,306	1,579	1,624	1,705	1,183	1,272	1,534	1,602	1,697
Korea, Rep. of.....	105	118	189	234	228	80	80	134	186	187
Mexico.....	1,626	2,118	2,620	2,886	3,091	1,524	2,062	2,537	2,886	3,157
Netherlands.....	312	371	460	427	450	304	336	422	409	443
Netherlands Antilles.....	213	307	353	327	359	184	256	302	282	322
Philippines.....	106	175	162	194	244	81	138	132	160	178
Spain.....	306	335	333	312	310	260	295	292	273	268
Switzerland.....	236	339	321	312	321	224	311	305	306	315
United Kingdom.....	1,549	2,596	2,692	2,973	3,092	1,448	2,478	2,609	2,840	2,989
Venezuela.....	205	355	431	533	577	198	356	424	516	571
Other.....	2,203	3,196	3,685	3,723	3,632	2,222	3,026	3,529	3,504	3,524

¹ Country where passenger boarded/deboarded a direct flight to/from the U.S.

Source: U.S. Transportation Systems Center, Cambridge, Mass., *U.S. International Air Travel Statistics*, annual.



Section 9

Federal Government Finances and Employment

This section presents statistics relating to the financial structure and the civilian employment of the Federal Government. The fiscal data cover taxes, other receipts, outlays, and debt. The principal sources of fiscal data are *The Budget of the United States Government* and related documents, published annually by the Office of Management and Budget (OMB), and the Department of the Treasury's annual *Treasury Combined Statement of Receipts, Expenditures, and Balances of the United States Government*, the official report relating to the receipts, appropriations, outlays, and fund accounts. Detailed data on tax returns and collections are published annually by the Internal Revenue Service. The personnel data relate to staffing and payrolls for the various public functions and agencies, to employee characteristics, and to civil service status; they are published by the Office of Personnel Management (formerly Civil Service Commission) and the Bureau of Labor Statistics (see p. 244).

Budget concept.—Under the unified budget concept, all Federal monies are included in one comprehensive budget. These monies comprise both Federal funds and trust funds. Federal funds are derived mainly from taxes and borrowing and are not restricted by law to any specific government purpose. Trust funds, such as the Unemployment Trust Fund, collect certain taxes and other receipts for use in carrying out specific purposes or programs in accordance with the terms of the trust agreement or statute. Trust fund balances include both open-book balances with Treasury and investments in U.S. securities. Part of the balance is obligated, part unobligated. The balances on an authorization basis exceed the cash balances because, for a few accounts, budget authority is not the same as receipts. In recent years, however, the budget totals, under provisions of law, have excluded some Federal activities—including the Federal Financing Bank, the Postal Service, and the lending activities of the Rural Electrification Administration. For fiscal year 1982, these activities (i.e., off-budget Federal entities; see below) are estimated to equal 27 percent of the unified budget. Data showing unified budget totals of budget receipts and outlays are presented in the 1983 Budget for the years 1940 to 1985; more detailed tables generally show data since 1972.

Receipts arising from the Government's compulsory powers are reported as governmental receipts; all other receipts, e.g., from business-type or market-oriented activities, are offset against outlays. Outlays are reported on a checks-issued (net) basis (i.e., outlays are recorded at the time the checks to pay bills are issued).

Debt concept.—For most of U.S. history, the total debt consisted of debt borrowed by the Treasury (i.e., public debt); it did not include monies which agencies were authorized to borrow without going through the Treasury (e.g., the Postal Service). The present debt series, includes both public debt and agency debt. The *gross Federal debt* includes money borrowed by the Treasury and by various Federal agencies; it is the broadest generally used measure of the Federal debt. *Total public debt* is restricted to borrowing by the Treasury, the Federal Financing Bank (FFB), and the value of savings bonds at current redemption value.

Off-budget Federal entities.—Off-budget Federal entities are federally owned and controlled, but their transactions have been excluded from the budget totals under provisions of law. Therefore, their fiscal activities are not reflected in either budget outlays or the budget surplus or deficit; appropriation requests for their programs are not included in the totals of budget authority for the budget; and their outlays are not subject to the ceilings set by the congressional budget resolutions. The surplus or deficit of the off-budget Federal entities is added to the budget surplus or deficit to arrive at the "total Federal Government surplus or deficit", which is financed by borrowing from the public or by other means. When off-budget outlays are financed by Treasury borrowing, the additional debt is subject to statutory debt limitation; when financed by the entities' own borrowing, it is not. In either case, the additional debt is part of the gross Federal debt.

Treasury receipts and outlays.—All receipts of the Government, with a few exceptions, are deposited to the credit of the U.S. Treasury regardless of ultimate disposition or availability for expenditure. Under the Constitution, no money may be withdrawn from the Treasury unless appropriated by the Congress.

The day-to-day cash operations of the Federal Government clearing through the accounts of the U.S. Treasury are reported in the *Daily Treasury Statement*. Extensive detail on the public debt is published in the *Monthly Statement of the Public Debt of the United States*.

Budget receipts such as taxes, customs duties, and miscellaneous receipts, which are collected by government agencies, and outlays represented by checks issued and cash payments made by disbursing officers as well as government agencies are reported in the *Monthly Treasury Statement of Receipts and Outlays of the United States Government* and in the *Annual Treasury Combined Statement of Receipts, Expenditures, and Balances of the United States Government*. These deposits in, and payments from, accounts maintained by government agencies are on the same basis as the unified budget.

The monthly *Treasury Bulletin* contains analytical material on fiscal operations and related Treasury activities, including financial statements of Government corporations and other business-type activities.

Income tax returns and tax collections.—Tax data are compiled by the Internal Revenue Service of the Treasury Department. The *Annual Report of the Commissioner of Internal Revenue* gives a detailed account of tax collections by kind of tax and by regions, districts, and States. The agency's three annual *Statistics of Income* reports present detailed data from individual income tax returns, corporation income tax returns, and business tax returns, respectively. The report on business tax returns presents financial data for sole proprietorships and partnerships. Periodic *Statistics of Income* publications present local area data for individuals as well as data from fiduciary income tax and estate tax returns, sales of capital assets by individuals, international income and taxes reported by corporations and individuals, and estate tax wealth.

Relation to national income accounts and GNP.—The Federal sector of the *national income and product accounts* focuses upon Federal transactions (comprising both Federal and trust funds) entering into national income, the gross national product, and other parts of the national economic accounts (see table 417). These accounts, however, include only receipts and outlays which directly affect the current flow of income and output, and therefore exclude such transactions as loans. Also, the Federal sector account records many taxes as they accrue, instead of as they are collected, and records most purchases at the time of delivery.

Employment and payrolls.—The Office of Personnel Management collects employment and payroll data from all departments and agencies of the Federal Government, except the Central Intelligence Agency and the National Security Agency. Employment figures represent the number of persons who occupied civilian positions on the last day of the calendar month shown and who are paid for personal services rendered for the Federal Government, regardless of the nature of appointment or method of payment. Through December 1978, intermittent workers were counted if they performed any service during the reporting month.

Federal payrolls include all payments for personal services rendered during the calendar month and payments for accumulated annual leave of employees who separate from the service. Since most Federal employees are paid on a biweekly basis, the calendar month earnings are partially estimated on the basis of the number of work days in each month where payroll periods overlap consecutive months.

Federal employment and payroll figures are published by the Office of Personnel Management in its *Annual Report* and its *Monthly Release of Federal Civilian Work Force Statistics*. It also publishes biennial employment data for minority groups, geographic distribution, and data on occupations of white- and blue-collar workers; reports on salary and wage distribution of Federal employees are published annually. General schedule is primarily white collar; wage system primarily blue collar. Data on Federal employment are also issued by the Bureau of Labor Statistics in its *Monthly Labor Review* and in *Employment and Earnings* and by the Bureau of the Census in its annual *Public Employment*.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

Figure 9.2

Federal Budget Receipts and Outlays: 1960 to 1982

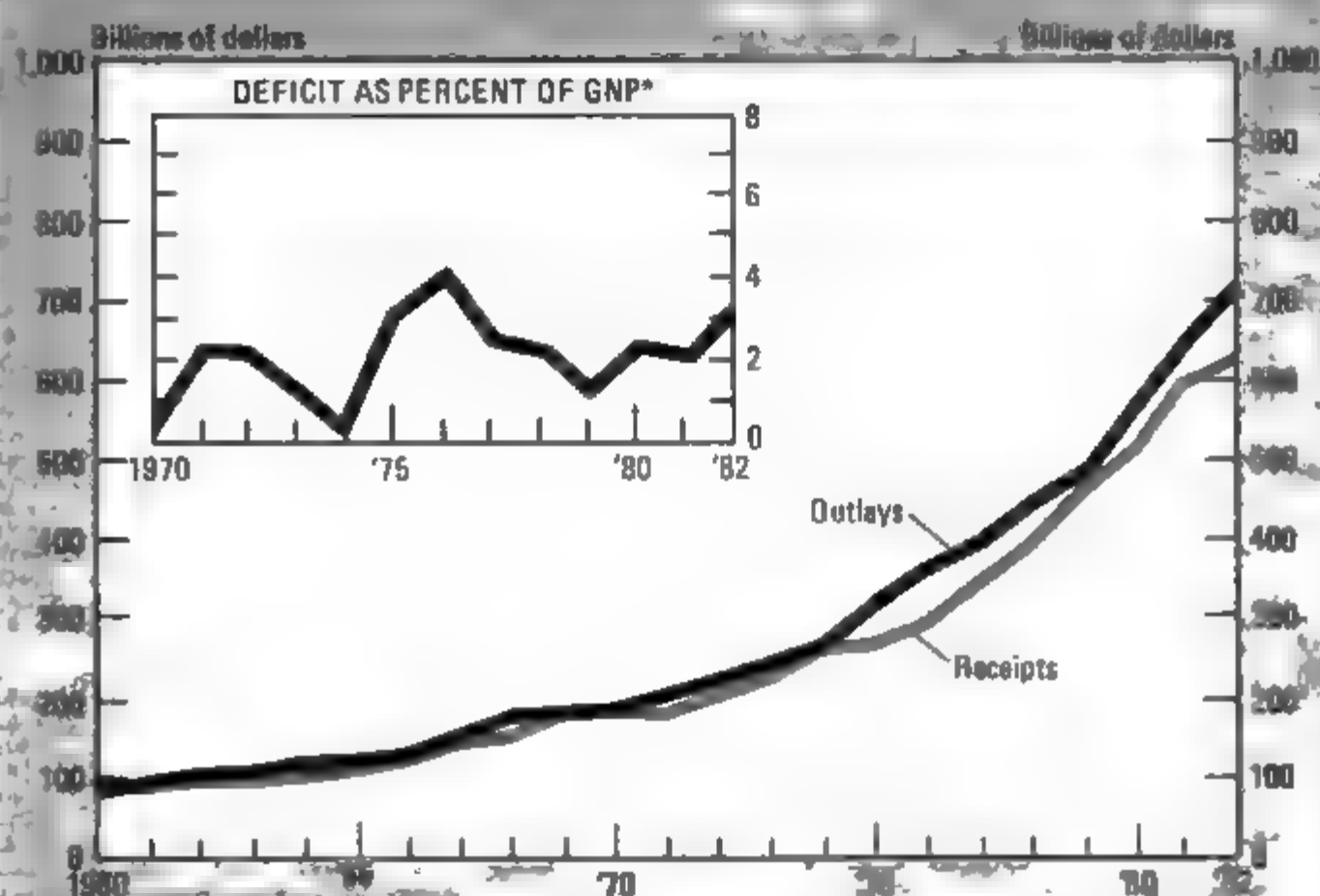
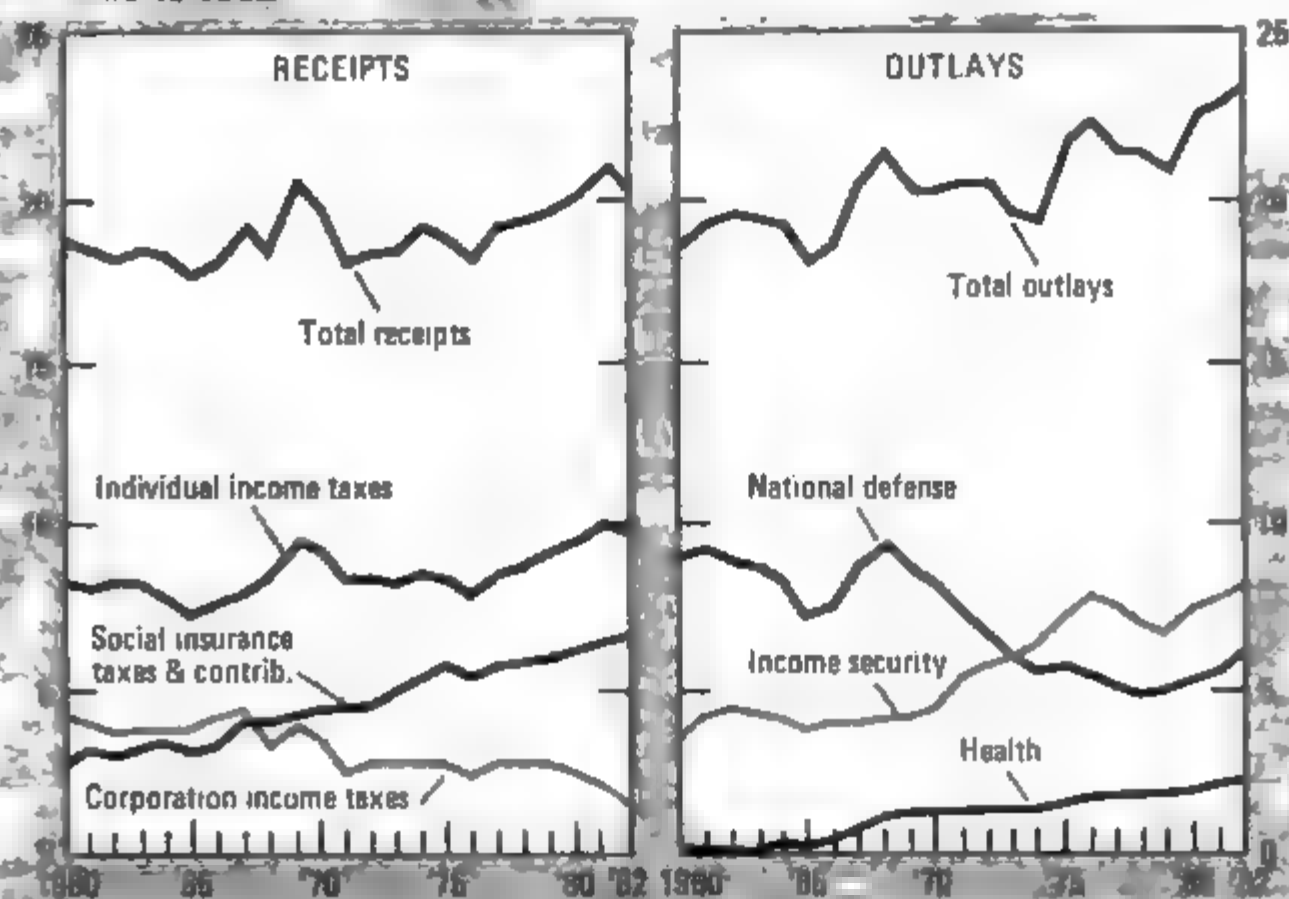


Figure 9.3

Federal Budget Receipts and Outlays as a Percent of GNP: 1960 to 1982



NO. 414. FEDERAL BUDGET RECEIPTS, OUTLAYS, AND DEBT: 1940 TO 1982

(In billions of dollars, except percent. Through 1976, for years ending June 30, except as noted; beginning 1977, ending Sept. 30. Minus sign (-) denotes deficit or decline. See also *Historical Statistics, Colonial Times to 1976*, series Y 339-342.)

Year	Receipts	Outlays	Surplus or deficit (-)	Out-standing gross debt ¹	ANNUAL PERCENT CHANGE ²			PERCENT OF GNP ³		Outlays as percent of Federal outlays ⁴
					Receipts	Outlays	Out-standing gross debt	Outlays	Out-standing gross debt	
1940	8.4	9.5	-3.1	90.7	27.8	27.0	5.1	10.0	53.4	00
1945	45.2	62.7	-47.5	280.1	48.0	60.0	30.0	42.7	119.0	00
1950	38.5	42.6	-3.1	258.9	-2.7	-14.4	-3	16.1	98.8	00
1955	65.5	66.5	-3.0	274.4	10.8	10.0	1.3	17.9	71.8	00
1960	82.5	82.2	.3	280.9	7.2	6.1	1.2	18.5	58.3	00
1961	84.4	87.8	-3.4	282.9	2.1	6.0	.7	18.2	57.4	00
1962	86.7	100.8	-7.1	303.9	5.8	8.2	3.8	18.5	55.7	00
1963	108.6	111.3	-4.6	310.8	8.9	4.2	2.5	18.2	53.7	00
1964	112.7	118.6	-5.9	316.8	5.7	6.5	1.8	18.2	51.2	00
1965	116.8	118.4	-1.6	323.2	3.7	-1	2.0	17.9	49.9	00
1966	120.9	134.7	-3.6	329.5	12.0	12.7	1.9	18.6	45.5	00
1967	148.6	157.8	-8.7	341.3	13.7	17.0	3.8	20.3	43.9	00
1968	163.0	178.1	-25.2	369.9	2.8	13.0	8.4	21.4	44.5	00
1969	168.9	183.8	-22.2	387.1	22.1	3.1	-7	20.2	40.3	00
1970	182.8	196.7	-28.8	382.8	3.1	6.5	4.2	20.2	38.5	00
1971	187.1	210.2	-23.0	408.5	-2.8	7.4	7.0	20.4	36.5	00
1972	237.3	220.7	-23.4	437.3	10.7	9.7	6.8	20.4	36.7	00
1973	220.6	246.6	-14.6	468.4	11.3	6.4	7.1	18.6	37.4	.1
1974	263.2	267.9	-4.7	488.2	14.0	9.0	3.8	18.5	35.3	1.4
1975	278.1	324.2	-46.2	544.1	8.0	21.0	11.9	22.5	38.8	8.1
1976	363.1	364.5	-8.4	631.9	6.6	12.4	16.1	22.7	38.5	7.3
1976, TQ ⁵	81.2	84.2	-13.0	648.4	00	00	00	00	00	1.8
1977	355.6	400.5	-44.9	708.1	19.2	8.8	12.2	22.0	38.0	8.7
1978	388.6	448.4	-68.8	780.4	12.3	11.9	10.1	22.0	37.5	10.4
1979	463.3	481.0	-27.7	833.8	15.9	9.5	6.8	21.4	35.4	12.5
1980	517.1	576.7	-59.6	914.3	11.8	16.7	9.7	23.0	35.6	14.2
1981	609.3	667.2	-57.9	1,003.9	15.0	13.9	11.3	23.7	35.1	21.0
1982, est.	626.6	725.3	-98.6	1,134.2	4.5	10.3	12.9	24.2	36.8	19.7

X Not applicable. ¹End of fiscal year; see text p. 243. ²For explanation of average annual percent change, see Guide to Tabular Presentation. ³Gross national product as of fiscal year, for calendar year GNP, see table 688. ⁴Federal Government allocations other than those reflected in budget outlays; see text for explanation. ⁵Change from 1976; from previous year shown for all other years. ⁶Transition quarter, July-Sept.

NO. 415. FEDERAL BUDGET RECEIPTS, OUTLAYS, AND DEBT: 1960 TO 1982

(In billions of dollars, except percent. For years ending June 30 except, beginning 1977, ending Sept. 30; transition quarter, July-Sept. 1976, omitted. Beginning 1976, budget totals include transactions of the Export-Import Bank. See also *Historical Statistics, Colonial Times to 1970*, series Y 339-342.)

DESCRIPTION	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982, est.
Receipts	92.6	116.8	162.8	278.1	296.1	365.6	399.6	463.3	517.1	609.3	626.6
Federal funds	75.6	90.9	143.2	187.5	201.1	241.3	270.5	316.4	350.9	410.4	412.6
Trust funds	18.2	26.2	56.4	116.7	131.8	150.6	165.6	187.0	210.9	239.4	274.7
Interfund transactions	2.4	3.3	-6.8	-25.1	34.8	36.3	-36.5	40.1	44.7	-50.6	-60.8
Outlays	92.2	118.4	196.7	324.2	364.5	489.5	448.4	491.8	576.7	667.2	725.3
Federal funds	74.9	94.8	156.3	209.9	209.9	295.8	332.0	362.4	418.2	475.2	523.9
Trust funds	19.7	26.9	46.1	109.3	129.3	141.1	152.9	188.7	202.1	232.6	262.2
Interfund transactions	-2.4	-3.3	8.8	25.1	34.8	36.3	36.5	-40.1	-44.7	-50.6	-60.8
Surplus or deficit (-)	.3	1.8	2.8	-46.2	-68.4	-44.8	46.8	27.7	68.6	-57.9	-98.6
Federal funds	.6	-3.9	-13.1	-52.6	-68.8	-54.4	-61.5	-46.0	-68.4	-84.7	-111.1
Trust funds	-5	2.3	10.3	7.4	2.4	9.5	12.7	18.3	8.6	6.8	12.5
Outstanding debt ¹	396.9	323.2	362.6	644.1	631.9	708.1	780.4	833.8	914.3	1,003.9	1,134.2
Gross Federal debt held by:											
Government agencies	53.7	61.6	97.7	147.2	151.6	157.3	189.5	189.2	189.2	209.5	230.8
The public	237.2	261.8	284.9	388.9	480.3	551.8	610.9	644.6	715.1	794.4	913.4
Federal Reserve System	28.5	39.1	57.7	65.0	94.7	105.0	115.5	115.6	120.6	124.5	(na)
Others	210.7	222.5	227.2	311.9	385.6	448.8	495.5	529.0	594.3	670.0	(na)
Outlays as percent of GNP ²	16.5	18.0	20.2	21.9	22.2	21.5	21.5	20.9	22.4	23.8	22.6
National defense	9.1	7.2	8.1	5.8	5.5	5.2	5.0	5.0	5.3	5.6	8.1
Human resources ³	5.6	6.0	8.0	12.4	13.1	12.7	12.4	12.0	12.6	13.0	13.0
All other	3.8	4.8	4.0	3.6	3.7	3.5	4.1	3.9	4.3	4.4	4.4

NA Not available. ¹End of fiscal year. ²See footnote 3, table 414.

³Education, training, employment, social services, health, income security, and veterans benefits and services.

Source of tables 414 and 415: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual, and unpublished data.

NO. 416. FEDERAL BUDGET OUTLAYS IN CURRENT AND CONSTANT (1972) DOLLARS: 1960 TO 1982

[For years ending June 30 except, beginning 1977, ending Sept. 30. Given the inherent imprecision in deflating outlays, the data shown in constant dollars present a reasonable perspective—not precision. The deflators and the categories that are deflated are as comparable over time as is feasible.]

YEAR	OUTLAYS (bil. dol.)						PERCENT OF TOTAL OUTLAYS					Avg. annual percent change, total outlays ⁴
	Total	National defense	Total non-defense ¹	Payments for individuals ¹	Net interest ²	Aid to State and local govt.	National defense	Total non-defense ¹	Payments for individuals ¹	Net interest ²	Aid to State and local govt.	
CURRENT DOLLARS												
1960	92.2	45.2	47.1	23.6	6.9	7.0	49.0	51.1	25.6	7.5	7.6	5.1
1965	116.4	47.5	71.0	32.3	6.6	10.8	40.1	60.0	27.3	7.9	9.2	5.1
1970	195.7	76.6	117.1	63.2	14.4	24.0	40.2	58.9	32.2	7.3	12.2	10.7
1972	230.7	76.6	154.1	90.8	15.6	34.4	33.2	66.8	39.3	6.7	14.9	9.7
1973	245.6	74.5	171.1	102.1	17.3	41.8	30.3	69.7	41.5	7.0	17.0	6.5
1974	267.9	77.8	190.1	117.6	21.4	43.4	29.0	71.0	43.6	7.8	18.2	9.1
1975	324.2	85.6	236.7	150.4	23.2	49.8	26.4	73.6	46.3	7.1	15.3	21.0
1976	364.5	89.4	275.0	176.8	26.7	59.1	24.5	75.5	48.4	7.3	16.2	12.3
1976, TQ ³	94.2	22.3	71.9	44.9	6.9	15.9	23.6	76.4	47.6	7.3	16.9	(x)
1977	400.5	97.5	303.0	182.4	29.9	66.4	23.9	76.1	47.3	7.4	16.8	11.5
1978	446.4	105.2	343.2	206.5	35.4	77.9	23.4	76.6	46.0	7.6	17.4	10.3
1979	491.0	117.7	373.3	227.5	42.8	82.9	23.9	76.1	46.3	8.6	16.9	9.5
1980	576.7	135.9	440.8	271.1	62.5	91.5	23.5	76.5	47.0	9.3	15.9	17.5
1981	657.2	156.8	497.4	316.6	68.7	94.8	24.3	75.7	48.1	10.5	14.2	14.0
1982	725.3	187.5	537.8	351.6	83.0	91.2	25.8	74.2	48.4	11.4	12.6	10.4
CONSTANT (1972) DOLLARS												
1960	144.0	73.7	70.2	32.6	10.1	11.5	51.2	46.8	22.6	7.0	6.0	-2.1
1965	166.7	69.3	97.5	41.5	11.4	15.7	41.5	56.4	24.6	6.8	9.4	2.8
1970	220.0	90.3	129.6	68.6	15.6	26.9	41.0	58.0	31.2	7.2	12.2	5.0
1972	230.7	76.6	154.1	90.8	15.6	34.4	33.2	66.7	39.3	6.7	14.9	3.9
1973	233.1	69.9	163.2	96.1	16.8	39.7	29.9	70.0	42.0	7.1	17.0	1.0
1974	236.9	68.1	168.8	104.5	19.2	38.1	28.7	71.2	44.1	6.1	18.0	1.6
1975	260.6	66.5	192.1	121.9	18.9	39.7	26.2	73.7	46.7	7.2	15.2	10.0
1976	274.9	67.0	207.9	135.0	20.3	43.9	24.3	75.6	49.1	7.3	15.9	5.5
1976, TQ ³	66.5	16.3	52.3	33.0	5.1	11.4	23.7	76.3	48.1	7.4	16.6	(x)
1977	260.9	67.4	213.4	137.4	21.3	47.2	24.0	75.9	48.9	7.5	16.8	2.2
1978	294.3	67.8	226.5	138.7	23.6	50.3	23.0	76.9	47.1	6.0	17.0	4.6
1979	296.3	70.4	226.0	140.9	26.2	49.4	23.6	76.4	47.2	6.7	16.5	1.4
1980	319.4	73.1	246.3	152.6	29.7	50.0	22.8	77.1	47.7	9.2	15.6	7.1
1981	330.6	76.6	254.0	163.6	36.5	47.8	23.1	76.8	49.4	10.7	14.4	3.8
1982	336.1	82.6	255.6	166.6	39.6	42.6	24.4	75.6	49.6	11.7	12.5	2.3

X Not applicable. ¹Includes other items, not shown separately. ²Includes small grants-in-aid to State and local governments. ³Total interest less interest received by trust funds. ⁴See footnote 2, table 414. ⁵Percent change from 1960; from previous year shown for all other years. ⁶Transition quarter, July-Sept.

Source: U.S. Office of Management and Budget, *The Budget of the United States Government*, annual; and in unpublished document, "Federal Government Finances," March 1982 edition.

NO. 417. FEDERAL RECEIPTS AND EXPENDITURES IN THE NATIONAL INCOME ACCOUNTS: 1960 TO 1982

[In billions of dollars. For years ending June 30 except, beginning 1977, ending Sept. 30; transition quarter, July-Sept. 1976, omitted. Includes transactions of trust accounts.]

RECEIPTS AND EXPENDITURES	1960	1965	1970	1975	1977	1976	1979	1980	1981	1982, est.
Receipts, total	64.9	139.0	194.9	263.4	366.9	414.2	469.7	537.3	613.9	641.9
Personal tax and nontax receipts	42.5	51.4	93.6	127.5	166.4	166.4	223.1	249.7	290.7	303.5
Corporate profits tax accruals	22.3	27.1	33.0	41.6	58.6	67.2	75.6	70.6	66.6	58.7
Indirect business tax and nontax accruals	13.2	16.9	19.2	22.2	24.5	27.2	29.1	35.7	36.6	57.4
Contributions for social insurance	16.7	24.5	49.2	61.9	116.2	133.4	152.7	171.3	196.1	221.4
Expenditures, total ¹	61.9	166.5	195.6	236.8	411.7	469.6	494.7	576.3	667.9	741.4
Purchases of goods and services	52.9	64.6	97.0	117.9	140.3	150.7	163.4	190.2	216.3	249.0
National defense	44.5	47.9	75.3	60.2	91.9	96.0	107.4	126.1	147.1	174.1
Nondefense	6.4	16.6	21.7	37.7	48.4	52.7	56.0	64.1	71.2	74.9
Transfer payments	22.5	30.6	57.0	134.5	169.6	182.2	201.9	239.3	279.7	312.1
Domestic (to persons)	20.8	28.4	55.0	131.4	166.6	178.7	197.8	234.7	273.9	306.0
Foreign	1.6	2.2	2.0	3.1	3.2	3.5	4.0	4.6	5.8	6.1
Grants-in-aid: State and local govt.	6.8	10.9	22.6	48.4	66.3	74.7	79.1	86.7	90.1	86.3
Net interest paid	6.6	6.2	13.6	21.7	28.4	33.5	40.6	51.2	68.9	61.4
Subsidies less current surplus of government enterprises	2.4	4.3	5.4	6.0	7.0	9.6	9.8	10.6	13.0	12.5
Surplus (+) or deficit (-)	+3.6	+1.6	-0.7	-46.4	-45.8	-55.4	-14.0	-39.0	-54.0	-106.4

¹For some years, includes wage disbursements less accruals, not shown separately.

Source: U.S. Office of Management and Budget, *The Budget of the United States Government*, annual.

NO. 418. FEDERAL BUDGET RECEIPTS, BY MAJOR SOURCE: 1960 TO 1982

[In billions of dollars, except percent. For years ending June 30 except, beginning 1977, ending Sept. 30; transition quarter, July-Sept. 1976, omitted. See also *Historical Statistics, Colonial Times to 1870*, series Y 343-351]

MAJOR SOURCE	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982, est.
Total receipts	222.5	316.8	392.8	279.1	296.1	365.8	390.8	453.3	517.1	599.3	625.8
Individual income taxes	40.7	48.8	90.4	122.4	131.6	157.8	181.0	217.8	244.1	285.8	298.9
Social insurance taxes and contributions	14.7	22.3	44.4	84.5	90.8	106.5	121.0	138.9	157.8	182.7	206.5
Employment taxes and contributions	11.2	17.4	36.1	75.2	79.9	92.2	103.9	120.1	138.7	163.0	185.5
Unemployment insurance	2.7	3.9	3.5	6.8	8.1	11.3	13.9	15.4	15.3	15.8	16.5
Other contributions	.8	1.1	1.8	2.6	2.8	3.0	3.2	3.5	3.7	4.0	4.5
Corporation income taxes	21.5	25.5	32.8	40.6	41.4	54.9	60.0	65.7	84.6	81.1	46.8
Excise taxes	11.6	14.8	15.7	18.8	17.0	17.5	16.4	16.7	24.3	40.8	43.0
Estate and gift taxes	1.6	2.7	3.6	4.6	5.2	7.3	5.3	5.4	6.4	6.8	7.2
Customs duties	1.1	1.4	2.4	3.7	4.1	5.2	6.8	7.4	7.2	8.1	8.9
Miscellaneous receipts	1.2	1.8	3.4	6.7	6.0	8.5	7.4	8.3	12.7	13.8	15.9
PERCENT DISTRIBUTION											
Individual income taxes	44.0	41.8	46.9	43.9	44.2	44.3	45.3	47.0	47.2	47.7	47.8
Social insurance taxes and contributions	16.9	19.1	23.0	30.3	30.5	28.9	30.3	30.0	30.5	30.6	32.9
Employment taxes and contributions	12.1	14.9	20.3	27.1	28.8	25.9	26.0	26.9	26.8	27.1	29.5
Corporation income taxes	20.2	21.8	17.0	14.6	13.9	15.4	15.0	14.2	12.5	10.2	7.5
Excise taxes	12.6	12.5	8.1	6.9	5.7	4.9	4.8	4.0	4.7	6.8	6.9
Customs, estate, gift taxes	2.9	3.6	3.2	3.0	3.1	3.5	3.0	2.7	2.6	2.5	2.3
Miscellaneous receipts	1.3	1.4	1.8	2.4	2.7	1.8	1.8	2.0	2.5	2.3	2.6

NO. 419. EXECUTIVE CONTROLLABILITY OF FEDERAL BUDGET OUTLAYS: 1970 TO 1982

[In billions of dollars, except percent. For years ending June 30 except, beginning 1977, ending Sept. 30; transition quarter, July-Sept. 1976, omitted. Outlays considered relatively uncontrollable are those which can neither be increased nor decreased by Presidential decisions without a change in existing Federal laws or are beyond administrative control, such as benefit payments that beneficiaries are entitled to by law or contractual agreement or other existing legally binding commitments. This table is based on a Presidential perspective.]

OUTLAYS	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, est.
Total outlays	396.7	387.9	324.2	284.5	459.5	448.4	481.0	576.7	667.2	725.3
Relatively uncontrollable outlays	123.2	189.8	228.4	267.5	383.5	328.8	384.5	434.4	486.9	544.7
Percent of total outlays	63.0	70.8	70.4	70.7	70.8	72.2	72.3	73.6	73.7	75.0
Open-ended programs and fixed costs	81.3	143.6	175.2	203.8	224.7	246.9	289.5	321.2	376.4	434.3
Payments for individuals	61.5	111.1	142.8	167.0	182.5	185.8	214.8	252.5	294.5	329.6
Social security and railroad retirement	31.2	57.5	68.3	78.0	87.5	96.1	106.7	121.8	143.2	159.9
Federal employees' retirement and insurance	8.8	15.0	18.4	21.2	24.0	28.7	30.0	34.7	40.5	44.7
Military retired pay	2.8	5.1	6.2	7.3	8.2	9.2	10.3	11.9	13.7	15.9
Other	5.9	8.6	12.2	13.9	15.8	17.5	19.7	22.6	26.8	29.7
Unemployment assistance	3.4	6.1	13.5	19.5	15.3	11.8	10.7	16.0	19.5	25.1
Medical care	9.9	17.2	21.6	28.3	31.4	35.8	41.8	49.0	59.3	67.8
Assistance to students	1.0	3.3	4.7	5.7	2.8	3.9	3.7	3.9	4.8	5.1
Food and nutrition assistance	(X)	(X)	1.8	1.9	2.8	2.7	3.0	3.5	3.5	2.8
Public assistance and related programs	8.4	10.2	12.6	14.8	15.7	16.7	18.4	18.8	20.8	21.5
All other relatively uncontrollable payments for individuals	.9	1.8	2.0	1.9	2.0	2.0	2.7	3.0	3.0	2.9
Net interest	14.4	21.4	23.2	26.7	29.9	35.4	42.6	52.5	68.7	83.0
General revenue sharing	(X)	8.1	6.1	6.2	6.8	6.8	8.8	8.8	5.1	4.8
Farm price supports	3.8	1.0	.8	.6	2.5	5.5	3.7	2.9	4.1	6.5
Other	1.8	3.9	2.6	3.3	2.0	3.5	1.5	6.5	4.0	.7
Prior-year contracts and obligations	41.8	46.0	53.3	53.7	58.8	78.9	85.3	109.2	108.8	128.3
National defense	24.1	20.4	22.3	17.9	18.5	26.2	30.9	38.5	41.5	55.6
Civilian programs	17.8	25.6	31.0	35.8	40.3	48.7	54.4	68.7	67.1	65.9
Relatively controllable outlays	74.8	61.7	89.8	111.2	121.6	129.8	141.4	156.1	178.8	186.2
National defense	51.8	52.2	57.0	64.2	70.8	67.8	76.4	87.3	104.5	117.4
Civilian programs	23.3	29.5	42.8	47.0	50.8	61.8	65.1	70.7	74.0	78.8
Undistributed employer share, employee retirement	2.4	-3.9	-4.8	-4.2	-4.6	-4.9	-5.3	-5.8	-6.4	-7.6

X Not applicable. ¹Includes items previously classified in the veterans' benefits grouping. ²Prices from Commodity Credit Corp. ³Excludes prior year contracts and obligations for items under open-ended programs and fixed costs.

Source of tables 418 and 419: U.S. Office of Management and Budget, *The Budget of the United States Government*, annual; and unpublished document, "Federal Government Finances," February 1982 edition.

**NO. 428. FEDERAL BUDGET—RECEIPTS BY SOURCE AND OUTLAYS BY DETAILED FUNCTION:
1979 TO 1982**

*(In billions of dollars. For years ending Sept. 30. Receipts reflect collections; outlays stated in terms of checks issued or cash payments. Covers both Federal funds and trust funds (see p. 243). Excludes government-sponsored but privately-owned corporations, Federal Reserve System, District of Columbia government, and money held in suspense as deposit funds. See *Historical Statistics, Colonial Times to 1970*, series Y 335-338, Y 343-351, and Y 472-487 for related data.)*

SOURCE OR FUNCTION	1979	1980	1981	1982, est.	SOURCE OR FUNCTION	1979	1980	1981	1982, est.
Surplus or deficit (-)	-27.7	-88.8	-57.9	-88.8	Commerce and housing				
BY SOURCE					credit	2.6	7.8	3.9	3.3
Total receipts ¹	483.3	517.1	598.3	626.3	Mortgage credit and thrift				
Individual income taxes.....	217.8	244.1	285.9	298.8	insurance .....	.7	3.7	.7	.9
Corporation income taxes.....	65.7	64.8	81.1	46.8	Payment to Postal Service	1.8	1.7	1.3	.6
Social insurance taxes and					Other commerce	1.5	2.4	2.0	1.7
contributions	138.8	167.8	182.7	206.6	Transportation ²	17.5	21.1	23.4	21.2
Employment taxes and					Ground transportation	12.1	15.1	17.1	14.7
contributions	120.1	138.7	163.0	185.6	Air transportation	3.4	3.8	3.9	3.7
Unemployment insurance	15.4	15.3	15.8	16.6	Water transportation	2.0	2.2	2.4	2.8
Contributions for other in-					Natural resources and				
surance and retirement	3.5	3.7	4.0	4.5	environment ³	12.1	13.8	13.8	12.6
Excise taxes	18.7	24.3	40.8	43.0	Water resources	3.9	4.3	4.2	4.1
Estate and gift taxes	5.4	6.4	6.8	7.2	Conservation and land				
Customs duties	7.4	7.2	6.1	8.9	management	1.9	2.3	2.6	2.2
Miscellaneous receipts	9.3	12.7	13.8	15.9	Recreational resources	1.5	1.7	1.6	1.6
Federal Reserve earning					Pollution control and				
deposits	5.3	11.8	12.8	16.0	abatement	4.7	5.5	5.2	5.4
BY FUNCTION					Other natural resources	1.3	1.4	1.5	1.8
Total outlays ¹	491.0	576.7	657.2	725.3	Energy ⁴	6.9	8.9	10.3	6.4
National defense ⁵	117.7	136.8	158.8	187.5	Supply	4.9	4.8	5.4	4.6
Dept. of Defense, military	115.0	132.8	156.1	182.8	Conservation .....	.9	.8	.8	.7
Atomic energy defense					Emergency preparedness	1.0	.9	3.3	.2
activities	2.5	2.9	3.4	4.5	Information, policy, and				
Defense related activities	1	1	.3	.2	regulation .....	.7	.9	.9	1.0
International affairs ¹	6.1	10.7	11.1	11.1	Community and regional				
Foreign economic and					development	9.6	10.1	8.4	8.4
financial assistance	3.0	3.7	4.2	4.3	Community development	4.0	4.9	5.1	5.1
Conduct of foreign affairs	1.3	1.4	1.3	1.5	Area and regional develop-				
Foreign information and					ment	4.0	3.2	2.7	2.8
exchange .....	.5	.5	.5	.6	Disaster relief and insur-				
International financial pro-					ance	1.8	2.0	1.8	.5
grams activities .....	.9	2.4	2.0	1.3	Agriculture ¹	6.2	4.8	6.8	8.8
International Security as-					Farm income stabilization	4.9	3.5	4.0	7.0
sistance	2.3	2.8	3.1	3.6	Research and services	1.3	1.4	1.5	1.8
Income security	188.2	188.1	225.1	250.9	Interest	52.8	64.5	52.5	98.1
General retirement and dis-					General purpose fiscal				
ability insurance	108.5	123.7	145.0	162.3	assistance	3.4	5.6	5.9	6.4
Social Security	102.6	117.1	138.0	154.6	Revenue sharing	6.9	6.8	5.1	4.8
Federal employee retire-					General science, space,				
ment and disability	12.4	14.7	17.5	19.4	and technology ¹	6.0	5.7	6.4	6.9
Housing assistance	4.4	5.5	6.9	8.2	General science and basic				
Food and nutrition assist-					research ²	1.3	1.4	1.5	1.7
ance	10.6	14.0	16.2	15.6	Space flight	2.2	2.6	3.1	3.5
Other income security	13.4	17.2	19.7	20.2	Space science, applica-				
Unemployment insurance	10.7	18.0	19.7	25.2	tions and technology ³	1.2	1.8	1.4	1.3
Health	47.9	58.2	66.0	73.4	General government ¹	4.1	6.8	4.8	6.1
Health care services	42.5	50.1	60.4	66.0	Legislative functions .....	.9	1.0	1.0	1.2
Health research	3.0	3.4	3.6	3.8	Management, direction				
Education and training of					(Exec.) .....	.1	.1	.1	.1
health care workforce .....	.8	.7	.9	.8	Central fiscal operations	2.3	2.5	2.6	2.8
Consumer and occupatio-					General property and re-				
nal health and safety .....	.9	1.0	1.0	1.0	cords management .....	.2	.4	.2	.4
Veterans benefits and					Administration of justice				
services ¹	18.9	21.2	23.0	34.3	Federal law enforcement	4.2	4.6	4.7	4.6
Income security	10.6	11.7	12.9	14.1	Federal judicial activities ¹	2.0	2.2	2.4	2.6
Education, training, and					Federal correctional activi-				
rehabilitation	2.8	2.3	2.3	1.9	ties	1.1	1.3	1.5	1.6
Hospital and medical care	5.8	6.5	7.0	7.8	Criminal justice assistance .....	.3	.3	.4	.4
Housing .....	.2	-(2)	.2	.1	Undistributed offsetting				
Education, training, em-					receipts	-18.5	-21.8	-30.3	-31.5
ployment, and social					Employer share, employee				
services ¹	28.7	30.8	31.4	27.8	retirement	-5.3	-5.8	-6.4	-7.8
Elementary, secondary,					Interest received by trust				
and vocational education	6.0	6.7	7.0	7.1	funds	-10.0	-12.0	-13.8	-16.1
Higher education	4.5	5.7	6.8	7.0	Rents and royalties ¹	3.3	-4.1	-10.1	-7.9
Research and general edu-					ADDITIONAL				
cation aids	1.2	1.4	1.2	1.3	Off-budget Federal				
Training and employment	10.8	10.3	9.2	5.4	entities ¹	12.6	14.2	21.0	19.7
Social services	6.6	6.1	5.5	6.4	Energy supply	2.3	3.8	4.9	5.8
					Farm income stabilization	5.0	4.0	5.8	1.1
					Mortgage credit and thrift				
					insurance	2.9	1.9	4.0	3.2
					Military assistance	1.3	1.9	1.9	2.7
					Housing assistance	-	.1	.8	1.2
					Higher education .....	.5	1.1	2.0	.7

² Less than \$50 million. ³ Totals reflect interfund and intergovernmental transactions and/or other functions, not shown separately. ⁴ On Outer Continental Shelf. ⁵ Includes supporting space activities. ⁶ Includes litigation activities.

Source: U.S. Office of Management and Budget, *The Budget of the United States Government*, annual.

NO. 421. FEDERAL BUDGET OUTLAYS, BY FUNCTION: 1960 TO 1982

[In billions of dollars, except percent. For years ending June 30 except, beginning 1977, ending Sept. 30; transition quarter, July-Sept. 1976, omitted. See table 420 for detailed functions. See also *Historical Statistics, Colonial Times to 1970*, series Y 406-487.]

FUNCTION	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982 est.
Total budget outlays	92.2	118.4	186.7	324.2	384.5	400.6	448.4	481.0	576.7	667.2	725.3
National defense	45.2	47.5	78.8	85.8	88.4	97.5	106.2	117.7	134.9	160.8	167.5
Human resources	35.8	36.4	72.5	106.8	106.1	213.5	232.8	258.7	308.3	345.5	378.2
Income security	18.8	25.7	43.1	108.6	127.4	137.9	146.2	160.2	193.1	225.1	250.9
Health	.8	1.8	12.1	25.7	31.5	36.6	41.2	47.0	55.2	66.0	73.4
Veterans benefits and services	5.4	5.7	8.7	18.6	18.4	18.0	19.0	19.9	21.2	23.0	24.2
Education, training, employment ¹	1.0	2.1	8.6	15.9	18.7	21.0	26.5	29.7	30.6	31.4	27.8
Other nondefense	21.4	38.5	44.7	71.9	79.0	98.6	110.2	117.8	146.8	162.4	162.1
Commerce and housing credit	1.6	1.2	2.1	5.8	3.8	1	3.3	2.8	7.8	3.9	3.3
Transportation	4.1	5.7	7.0	10.4	13.4	14.6	15.4	17.5	21.1	23.4	21.2
Natural resources and environment	1.6	2.5	3.1	7.3	8.1	10.0	10.9	12.1	13.8	13.5	12.6
Energy	.5	.7	1.0	2.2	3.1	4.2	6.9	6.9	6.3	10.3	6.4
Community, regional development	.2	1.1	2.4	3.7	4.8	6.3	11.1	9.4	10.1	9.4	8.4
Agriculture	2.6	3.9	5.2	1.7	2.5	5.5	7.7	6.2	4.8	5.6	8.8
Interest	8.3	10.4	18.3	30.9	34.5	36.0	44.0	52.6	64.5	82.5	98.1
Revenue sharing ²	.2	.2	.5	7.2	7.2	9.5	9.6	8.4	8.8	6.9	6.4
International affairs	3.0	6.2	4.3	6.9	5.6	4.8	5.9	6.1	10.7	11.1	11.1
General science, space, technology	.6	5.6	4.5	4.0	4.4	4.7	4.7	5.0	5.7	6.4	6.9
General government	1.0	1.4	1.9	3.1	2.9	3.2	3.7	4.1	4.5	4.6	5.1
Administration of justice	.4	.5	1.0	2.9	3.3	3.8	3.8	5.2	4.6	4.7	4.5
Undistributed offsetting receipts	-2.5	-3.2	6.6	14.1	14.7	-15.1	-15.8	-18.5	-21.8	-30.3	-31.5
PERCENT DISTRIBUTION											
Total outlays	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
National defense	49.0	40.1	40.2	26.4	24.5	24.3	23.5	24.0	23.6	24.3	25.9
Income security	19.8	21.7	22.0	33.6	35.0	34.4	32.8	32.6	33.5	34.3	34.6
Health	.9	1.5	6.2	7.9	8.6	9.1	9.2	9.8	9.6	10.0	10.1
Veterans benefits and services	5.9	4.8	4.4	5.1	5.1	4.5	4.2	4.1	3.7	3.5	3.3
Education, training, employment ¹	1.1	1.8	4.4	4.9	5.1	5.2	5.9	6.1	5.3	4.8	3.8
Commerce and housing credit	1.7	1.0	1.1	1.7	1.0	(2)	7	5	1.4	.8	.5
Transportation	4.4	4.9	3.8	3.2	3.7	3.7	3.4	3.6	3.7	3.6	2.9
Natural resources and environment	1.7	2.1	1.8	2.3	2.2	2.5	2.4	2.5	2.4	2.1	1.7
Energy	.5	.8	.5	.7	.9	1.0	1.3	1.4	1.1	1.8	.9
Community and regional development	.2	.9	1.2	1.2	1.3	1.6	2.5	1.9	1.8	1.4	1.2
Agriculture	2.8	3.3	2.8	.5	.7	1.4	1.7	1.3	.8	.9	1.2
Interest	9.0	8.8	9.4	9.5	9.5	9.5	9.8	10.7	11.2	12.6	13.7
Revenue sharing ²	.2	.2	.3	2.2	2.0	2.4	2.1	1.7	1.5	1.0	.9
International affairs	3.3	4.4	2.2	2.1	1.5	1.2	1.3	1.2	1.9	1.7	1.5
General science, space, technology	.7	4.9	2.3	1.2	1.2	1.2	1.1	1.0	1.0	1.0	1.0
General government	1.1	1.2	1.0	1.0	.8	.8	.8	.8	.8	.7	.7
Administration of justice	.4	.5	.5	.9	.9	.9	.9	.9	.8	.7	.6
Undistributed offsetting receipts	-2.7	-2.7	-3.4	-4.3	-4.0	-3.8	-3.5	-3.8	-3.8	-4.6	-4.3

Z Less than \$50 million or .05 percent. ¹Includes social services. ²Includes general purpose fiscal assistance.

Source: U.S. Office of Management and Budget, *The Budget of the United States Government*, annual; and unpublished document, "Federal Government Finances," March 1982 edition.

NO. 422. SELECTED GOVERNMENTAL ECONOMIC AND BUSINESS INDICATORS—AVERAGE ANNUAL
PERCENT CHANGE: 1939 TO 1980

ITEM	1939-49 to 1949-59	1949-59 to 1959-69	1959-69 to 1969-79	1969-79 to 1979-80	ITEM	1939-49 to 1949-59	1949-59 to 1959-69	1959-69 to 1969-79	1969-79 to 1979-80
SELECTED ECONOMIC SERIES¹					FEDERAL GOVERNMENT²				
Gross national product	11.1	5.9	7.0	10.2	Budget receipts	20.0	8.9	7.7	10.4
Population (July 1)	1.8	1.4	1.3	1.1	Budget outlays	16.2	6.0	7.9	11.4
Civilian employment	2.2	1.1	1.8	2.2	Public debt	19.8	1.2	2.8	9.1
Per capita disposable income in constant (1972) dollars	2.6	1.2	3.1	2.2	National defense and international affairs outlays	27.6	10.7	6.6	5.9
Consumer price index	5.6	2.1	2.7	7.6	Domestic civilian expenditures	11.3	7.1	10.2	14.9
ALL GOVERNMENTS³					Federal tax receipts (incl. social insurance taxes)	21.1	8.9	7.7	10.1
Expenditures	13.2	8.0	8.2	10.7	Federal civilian employment	6.6	2.1	2.0	.8
Tax receipts	14.4	8.7	8.1	10.2					
Debt	18.1	2.4	3.7	9.2					

¹Relates to calendar years 1940, 1950, 1960, 1970, and 1980.

²Relates to fiscal years 1940, 1950, 1960, 1970, and 1979.

³Relates to fiscal years 1940, 1950, 1960, 1970, and 1980.

Source: Tax Foundation, Inc., Washington, D.C., *Facts and Figures on Government Finance*, biennial.

NO. 423. FEDERAL BUDGET OUTLAYS, BY AGENCY: 1970 TO 1982

[In millions of dollars. For years ending June 30 except, beginning 1977, ending Sept. 30]

DEPARTMENT OR OTHER UNIT	1970	1975	1977	1970	1970	1985	1981	1982
Total	196,588	328,151	402,710	450,804	493,635	579,613	667,204	725,331
Legislative branch.....	343	726	976	1,049	1,077	1,218	1,209	1,502
The Judiciary	128	284	392	435	480	564	637	730
Executive Office of the President.....	36	93	73	75	60	95	98	92
Funds appropriated to President	2,904	3,988	2,487	4,450	2,623	7,523	7,010	6,370
Departments:								
Agriculture	6,901	9,722	16,738	20,368	20,636	24,555	26,034	29,442
Commerce	1,079	1,583	2,606	5,239	4,072	3,755	¹ 11,484	¹ 11,646
Defense	78,360	87,071	97,930	105,595	117,921	136,067	² 159,244	² 185,791
Education ^{3,4}	(NA)	(NA)	(NA)	(NA)	10,879	13,112	(⁵)	(⁵)
Energy ⁵	2,459	3,165	5,217	6,266	7,893	6,464	(¹)	(¹)
Health and Human Services ^{4,6}	(NA)	(NA)	(NA)	(NA)	170,303	194,703	² 228,115	² 252,938
Health, Education, and Welfare ⁴	52,670	112,411	147,455	162,856	(⁴)	(⁴)	(⁴)	(⁴)
Housing and Urban Development	2,603	7,488	5,838	7,589	9,213	12,576	14,033	14,614
Interior	992	2,139	3,194	3,821	4,087	4,377	^{1,2} 6,775	^{1,2} 3,139
Justice	640	2,067	2,350	2,397	2,522	2,632	^{1,2} 2,752	^{1,2} 2,643
Labor ⁷	5,194	17,615	22,359	22,864	22,610	29,724	30,084	32,075
State	448	829	1,070	1,252	1,548	1,938	1,897	2,183
Transportation	6,412	9,247	12,514	13,452	15,486	18,963	22,509	20,567
Treasury	19,509	41,177	49,560	56,355	65,044	76,691	² 93,372	² 110,022
Independent agencies:^{1,2}								
Environmental Protection Agency.....	384	2,530	4,385	4,071	4,800	5,602	5,241	5,434
National Aero. and Space Admin.....	3,749	3,267	3,944	3,980	4,187	4,850	5,421	5,827
Foundation for Education Assistance ³	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	13,063	13,364
Office of Personnel Management ⁸	2,647	7,036	9,620	10,952	12,654	15,050	18,089	19,907
Railroad Retirement Board.....	1,600	3,063	3,859	4,075	4,365	4,788	5,308	5,727
Small Business Administration.....	253	618	700	2,766	1,631	1,899	1,913	525
Tennessee Valley Authority.....	211	767	1,100	1,412	1,884	1,869	1,928	2,180
Veterans Administration	8,653	16,575	18,019	18,982	19,887	21,135	22,904	24,134
Other independent agencies	3,580	6,745	5,391	6,274	6,241	11,396	8,405	6,604
Allowances.....	(x)	(x)	(x)	(x)	(x)	(x)	(x)	-624
Undistributed offsetting receipts	-6,567	-14,075	-15,053	-15,772	-18,488	-21,933	-30,319	-31,501
Employer share, employee retirement	-2,444	-3,980	-4,548	-4,983	-5,271	-5,787	-6,371	-7,580
Interest received by trust funds	-3,936	-7,667	-8,131	-8,530	-9,950	-12,045	-13,810	-16,080
Rents and royalties on the Outer Continental Shelf lands	-187	-2,426	-2,374	-2,259	-3,267	-4,101	-10,138	-7,861

NA Not available. X Not applicable. ¹The 1983 Budget proposes dismantlement of the Dept. of Energy (DOE), effective Oct. 1, 1982. Budget data for activities previously performed by DOE are included in the agencies that are proposed to assume these activities. ²The 1983 Budget proposes dismantlement of the Dept. of Education (DED), effective Oct. 1, 1982. Budget data for activities previously performed by DED are included in the agencies that are proposed to assume these responsibilities. ³New agency which assumed education activities previously performed by Dept. of Health, Education, and Welfare, and other education programs. ⁴The Budget shows the Dept. of Education and the Dept. of Health and Human Services as if they existed since 1979. ⁵See footnotes 7 and 12, table 454. ⁶This agency has assumed the health and welfare activities previously performed by the Dept. of Health, Education, and Welfare. ⁷Beginning 1975, includes Pension Benefit Guaranty Corporation. ⁸Civil Service Commission prior to 1979.

Source: U.S. Office of Management and Budget, *The Budget of the United States Government*, annual.

NO. 424. OFF-BUDGET FEDERAL OUTLAYS BY ENTITY AND SELECTED SUBFUNCTION: 1975 TO 1982

[In millions of dollars. For years ending June 30 except, beginning 1977, ending Sept. 30. Negative outlays result from offsetting receipts exceeding outlays from appropriations and balances]

ENTITY	1975	1975	1977	1975	1979	1985	1981	1982
Off-budget outlays, total	9,689	7,307	8,700	10,359	12,467	14,345	21,005	19,689
REA ¹ and telephone revolving fund.....	477	213	394	82	-4	-30	34	-
Rural telephone bank	110	93	59	113	101	158	114	156
Strategic petroleum reserve.....	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	-	2,834
Postal Service	1,112	1,065	-173	-488	-891	-431	69	554
USRA ² regional rail organization	34	52	219	68	69	36	-267	-94
Federal Financing Bank for: Total ⁴	6,355	5,863	8,201	10,614	18,172	14,513	21,005	16,239
REA ¹ and telephone revolving fund.....	255	860	1,222	2,093	2,320	3,168	4,801	4,932
FmHA: ⁵ Rural housing insurance fund	3,175	2,550	3,105	3,360	2,930	1,906	4,045	3,249
Foreign military sales fund	112	787	1,409	1,462	1,93	1,932	1,945	2,670
FmHA: ⁵ Agriculture credit insurance fund	1,375	675	1,250	3,640	5,045	3,982	5,790	1,066
FmHA: ⁵ Rural development insurance fund.....	450	575	610	880	830	993	1,025	1,036
Student loan insurance fund.....	140	180	105	235	530	1,070	1,955	700
Other	673	524	385	-755	334	1,297	1,595	2,584

- Represents zero. ¹REA=Rural Electrification Administration. ²Funding for strategic petroleum reserve began in fiscal year 1982. ³USRA=United States Rail Authority. ⁴Includes non-loan residual not shown separately. ⁵FmHA=Farmers Home Administration.

Source: U.S. Office of Management and Budget, *The Budget of the United States Government*, annual.

**NO. 425. REVENUE LOSS ESTIMATES FOR SELECTED "TAX EXPENDITURES" BY FUNCTION:
1981 AND 1982**

[In millions of dollars. For years ending Sept. 30. Represents tax expenditures of \$100 million or more in 1982]

DESCRIPTION	1981	1982	DESCRIPTION	1981	1982
National defense:			Reinvestment of dividends in public utility stock	(2)	130
Exclusion of benefits and allowances to Armed Forces personnel	1,735	1,865	Community and regional development:		
International affairs:			Investment credit for rehabilitation of structures	220	265
Exclusion of income earned abroad by United States citizens	610	965	Education, training, employment, and social services:		
Deferral of income of domestic international sales corporations (DISC)	1,545	1,465	Exclusion of interest on State and local student loan bonds	60	100
General science, space, and technology:			Parental personal exemption for students age 19 or over	1,045	985
Expensing of research and development expenditures	1,550	380	Exclusion of employee meals and lodging (other than military)	620	655
Credit for increasing research activities	15	405	Investment credit for ESOP's	975	1,005
Energy:			Deductibility of charitable contributions (education)	925	665
Expensing of exploration and development costs			Deductibility of charitable contributions, other than education and health	6,485	6,345
Oil and gas	3,525	4,065	Credit for child and dependent care expenses	635	1,120
Excess of percentage over cost depletion: Oil and gas	1,885	1,965	Targeted jobs credit	305	235
Other fuels	380	380	Health:		
Capital gains treatment of royalties on coal	100	105	Exclusion of employer contributions for medical insurance premiums and medical care	14,050	15,330
Residential energy credits:			Deductibility of medical expenses	3,675	3,925
Supply incentives	150	205	Exclusion of interest on State and local hospital bonds	560	660
Conservation incentives	425	415	Deductibility of charitable contributions (health)	1,390	1,360
Alternative conservation and new technology credit			Income security:		
Supply incentives	180	235	Exclusion of Social Security benefits:		
Conservation incentives	220	265	Disability insurance benefits	600	915
Natural resources and environment:			OASDI benefits for retired workers	8,845	9,660
Excess of percentage over cost depletion, nonfuel minerals	365	405	Benefits for dependents and survivors	1,735	1,915
Exclusion of interest on State and local government pollution control bonds	715	635	Exclusion of railroad retirement system benefits	365	360
Capital gains treatment of certain timber income	585	600	Exclusion of workmen's compensation benefits	2,730	3,100
Agriculture:			Exclusion of untaxed unemployment insurance benefits	1,865	2,080
Expensing of certain capital outlays	525	545	Exclusion of disability pay	170	155
Capital gains treatment of certain income	425	480	Net exclusion of pension contributions and earnings		
Commerce and housing credit:			Employer plans	23,390	25,765
Dividend and interest exclusion	1,335	2,185	Plans for self-employed and others	2,170	2,560
Exclusion of interest on State and local industrial development bonds	1,200	1,650	Exclusion of other employee benefits:		
Excess bad debt reserves of financial institutions	325	250	Premiums on group term life insurance	1,840	1,900
Exclusion of interest on life insurance savings	4,060	4,535	Premiums on accident and disability insurance	100	100
Deductibility of interest on consumer credit	6,675	9,265	Additional exemption for elderly	2,250	2,365
Deductibility of mortgage interest on owner-occupied homes	20,145	23,030	Tax credit for the elderly	130	135
Deductibility of property tax on owner-occupied homes	9,125	10,065	Deductibility of casualty losses	775	800
Exclusion of interest on State and local housing bonds for owner-occupied housing	665	920	Earned income credit	610	555
Expensing of construction period interest and taxes	755	745	Exclusion of interest on State and local housing bonds for rental housing	435	485
Capital gains (other than agriculture, timber, iron ore and coal)	17,965	18,315	Deduction for motor carrier operating rights	(2)	140
Deferral of capital gains on home sales	1,180	1,070	Veterans benefits and services:		
Exclusion of capital gains on home sales for persons age 55 and over	450	415	Exclusion of veterans disability compensation	1,255	1,360
Carryover basis of capital gains at death	2,070	2,190	Exclusion of GI bill benefits	200	175
Investment credit, other than ESOP's rehabilitation of structures, energy property, and reforestation expenditures	18,445	20,025	General purpose fiscal assistance:		
Safe harbor leasing rules	(2)	3,580	Exclusion of interest on general purpose State and local debt	5,855	6,665
Exclusion of interest on certain savings certificates	(X)	515	Deductibility of nonbusiness State and local taxes other than on owner-occupied homes	19,065	20,395
			Tax credit for corporations receiving income from doing business in United States possessions	1,120	1,200

X Not applicable Z 85 million or less. 1 Indicates the effect of the earned income tax credit on receipts. The effect on outlays is: 1981, \$1,320 million; 1982, \$1,255 million.

Source: U.S. Office of Management and Budget, *Special Analysis, Budget of the United States Government*, annual.

NO. 420. FEDERAL TRUST FUND RECEIPTS, OUTLAYS, AND BALANCES: 1970 TO 1982

[In billions of dollars. For years ending June 30 except, beginning 1977, ending Sept. 30; transition quarter July–Sept. 1976, omitted. Receipts based on collections received and deposited. Outlays stated on a checks issued basis, less refunds collected. Balances: That portion of funds authorized for use which have not been spent. See text, p. 243 for discussion of the budget concept and trust funds]

TYPE OF FUND	1970	1975	1975	1977	1978	1978	1980	1981	1982, est.
Total receipts ¹	66.4	118.6	133.7	152.8	160.0	165.6	213.0	263.4	274.7
OASDI ² trust funds.....	36.1	66.7	70.7	81.2	89.6	102.1	117.4	134.6	152.1
Health insurance trust funds.....	7.5	16.9	18.5	22.8	27.8	31.7	35.7	45.3	55.9
State and local fiscal assistance trust funds ³	(x)	6.2	6.4	8.7	6.9	6.9	6.9	4.8	4.6
Unemployment insurance funds.....	4.1	6.2	16.2	15.0	15.2	15.9	16.2	16.1	21.3
Railroad employees retirement funds.....	1.7	2.8	3.3	3.8	3.9	4.2	4.4	4.7	5.1
Federal employees retirement funds.....	4.7	11.5	13.2	16.7	17.8	20.5	24.5	28.6	33.3
Airport and airway trust funds.....	(x)	1.1	1.1	1.4	1.5	1.8	2.3	.6	.7
Highway trust funds.....	5.5	8.8	6.0	7.3	7.6	8.0	7.6	7.4	7.7
Foreign military sales trust funds.....	.8	4.4	7.3	9.4	8.4	8.5	7.7	9.5	10.8
Veterans life insurance funds.....	.8	.9	.9	1.0	1.0	1.0	1.1	1.1	1.2
Total outlays ⁴	49.1	111.2	131.3	143.3	155.3	171.3	205.1	232.9	262.2
OASDI ² trust funds.....	30.3	64.7	73.9	85.1	93.9	104.1	118.6	139.6	156.6
Health insurance trust funds.....	7.1	14.8	17.8	21.5	25.2	29.1	35.0	42.5	49.6
State and local fiscal assistance trust funds ³	(x)	6.1	6.2	6.8	6.8	6.8	6.8	5.1	4.6
Unemployment insurance funds.....	3.6	13.2	17.9	14.1	11.2	11.2	18.4	18.7	25.4
Railroad employees retirement funds.....	1.6	3.1	3.5	3.8	4.0	4.3	4.7	5.3	5.3
Federal employees retirement funds.....	2.8	7.1	8.4	9.7	11.0	12.5	14.9	17.9	19.8
Airport and airway trust funds.....	(x)	.8	.5	.9	1.1	1.1	1.2	1.3	1.6
Highway trust funds.....	4.4	4.8	8.5	6.1	8.1	7.2	9.2	9.2	6.3
Foreign military sales trust funds.....	1.0	3.5	6.7	8.2	8.1	7.1	8.8	9.9	11.0
Veterans life insurance funds.....	.8	.8	.7	.8	.7	.1	1.0	1.0	1.0
Balances.....	97.2	142.6	145.0	152.5	165.2	183.6	192.4	198.2	205.1
OASDI ² trust funds.....	37.7	48.2	44.9	39.8	35.4	33.4	32.3	27.2	20.5
Health insurance trust funds.....	2.7	11.3	12.0	13.4	15.8	18.4	19.0	21.8	28.5
State and local fiscal assistance trust funds.....	(x)	1.7	1.8	1.8	1.8	1.8	1.8	1.3	1.3
Unemployment trust fund.....	13.1	7.4	5.7	8.5	10.4	15.1	14.9	14.4	10.3
Railroad employees retirement accounts.....	4.8	4.3	4.0	3.2	3.1	3.1	2.7	2.0	(⁵)
Federal employees retirement funds.....	22.5	36.8	43.7	49.9	56.7	64.7	74.3	85.0	98.7
Airport and airway trust fund.....	(x)	2.0	2.6	3.3	3.7	4.4	5.4	4.7	3.8
Highway trust funds.....	2.6	9.6	9.1	10.2	11.7	12.6	11.0	9.3	8.6
Foreign military sales trust fund.....	.5	2.1	2.7	4.6	4.9	6.3	5.2	4.7	4.8
Veterans life insurance funds.....	7.1	7.7	7.8	8.0	8.3	8.4	8.5	8.6	8.8
Other trust funds (nonrevolving).....	.6	.7	.8	.9	1.0	1.3	1.7	2.3	2.9
Trust revolving funds.....	5.5	8.9	9.9	11.2	12.5	14.1	15.5	17.7	20.1

X Not applicable. ¹After deductions for intrafund transactions, proprietary receipts from public, receipts from off-budget Federal agencies, and receipts and outlays from trust funds, not shown separately. ²Old-age, survivors, and disability insurance. ³Deposits for general revenue sharing. ⁴After deductions for intrafund transactions, proprietary receipts from public, receipts from off-budget Federal agencies, and trust revolving funds on net basis (outlays less receipts). ⁵Payments for general revenue sharing. ⁶Under proposed legislation, as of Sept. 30, 1982, the ownership of the assets of the Railroad account is to be transferred to a newly created private rail industry pension corporation.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

NO. 427. FEDERAL PARTICIPATION IN DOMESTIC CREDIT MARKETS: 1970 TO 1982

[In billions of dollars, except percent. See headnote, table 423. Federal credit programs are primarily in three forms: direct loans from the Federal government, Federal guarantees of private lending, and lending by privately owned Government-sponsored enterprises. Credit programs provide credit in private capital markets to certain classes of borrowers, or on special terms and conditions, or for special activities. An element of subsidy is involved since Government assistance is given on terms or conditions more favorable than would have occurred in private capital markets]

TYPE OF PARTICIPATION	1970	1975	1976	1977	1978	1979	1980	1981	1982, est.
Total funds advanced in U.S. credit markets, including equities ¹		174.4	241.8	310.8	378.9	412.9	342.5	407.8	(NA)
Advanced under Federal auspices ²		27.0	26.9	36.7	56.4	72.9	79.9	86.5	114.9
Federal participation rate (percent).....		15.5	11.1	11.8	15.4	17.7	23.3	21.2	(NA)
Direct loans:									
On-budget.....	(NA)	5.8	4.2	2.8	8.6	6.0	9.5	5.2	4.5
Off-budget.....		7.0	6.7	9.0	11.2	13.6	14.7	20.9	16.4
Guaranteed loans.....		8.8	11.1	13.5	13.4	25.2	31.6	28.0	44.0
Government-sponsored enterprise loans.....		5.6	4.9	11.7	25.2	28.1	24.1	32.4	50.1
Total funds raised in U.S. credit markets ¹	88.8	174.4	241.5	310.8	378.9	412.9	342.5	407.8	(NA)
Raised under Federal auspices.....	16.5	64.6	98.1	79.0	93.9	60.7	123.5	142.1	208.0
Federal participation rate (percent).....	18.5	37.2	40.6	25.4	24.8	19.5	38.1	34.8	(NA)
Federal borrowing from public.....	3.8	50.9	82.9	53.5	59.1	33.6	70.5	79.3	115.4
Borrowing for guaranteed loans.....	7.9	6.8	11.1	13.5	13.4	25.2	31.6	28.0	44.0
Government-sponsored enterprise borrowing.....	4.9	5.3	4.1	12.0	21.4	21.9	21.4	34.8	46.6

NA Not available. ¹Nonfinancial sectors. ²Estimated.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

No. 428. FEDERAL DIRECT AND GUARANTEED LOANS: 1972 TO 1982

[In billions of dollars. 1982 estimated. As of June 30 except, beginning 1977, as of Sept. 30. Government guaranteed loans (loans for which the Government guarantees payment of principal or interest in whole or part) are not included in Federal budget outlays. They constitute contingent liabilities not resulting in outlays, except in event of default. Government direct loans are made by both on-budget and off-budget Federal agencies. See headnote, table 427]

LOAN STATUS	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Direct loans: ¹ Gross (new) loans											
disbursed	13.8	15.7	15.8	28.8	34.5	35.4	48.8	49.2	49.3	55.9	56.9
Net loan outlays	2.9	1.0	4.1	12.8	10.9	11.5	19.8	19.6	24.2	26.1	20.8
Direct loans outstanding	56.1	57.1	61.5	74.1	85.9	100.7	120.5	140.5	163.9	185.0	205.8
Guaranteed loans: ² Primary ³	(NA)	(NA)	32.0	31.2	31.9	43.9	48.5	60.5	66.2	80.2	80.7
Net loans	19.6	17.7	10.5	8.7	11.2	14.0	13.9	26.1	32.4	28.0	44.0
Guaranteed loans outstanding	161.5	179.1	189.7	198.3	210.1	224.0	237.9	264.6	298.5	309.1	353.1

NA Not available. ¹Includes loans from "off-budget" Government accounts. ²Include capital subscriptions to international financial institutions. To avoid double counting, secondary guaranteed loans and guaranteed loans held as direct loans are excluded. ³Gross loan guarantees minus both secondary guaranteed loans, and guaranteed loans held as direct loans by the Government—by either on- or off-budget accounts.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual; and unpublished data.

No. 429. VALUE OF SHIPMENTS TO GOVERNMENT—SUMMARY, BY AGENCY: 1978 TO 1980

[In millions of dollars. Data do not represent all Federal Government procurement; only that of the 92 industries selected for the sample. See source for description of methodology]

ITEM	1978	1978	1980	ITEM	1970	1970	1985
Total industry shipments	431,212	533,074	613,834	Subcontracts	13,388	15,205	16,940
Government shipments	51,720	56,702	64,901	Agency known	9,317	10,772	12,496
Prime contracts	38,331	41,496	47,962	Dept. of Defense	7,457	8,608	10,431
Dept. of Defense	31,926	32,711	37,807	National Aero. and Space	577	829	687
National Aero. and Space	1,664	1,913	2,211	Dept. of Energy	667	410	430
Dept. of Energy	1,626	2,891	3,341	Other agencies	417	925	947
Other agencies	2,915	3,963	4,603	Agency not known	4,071	4,432	4,444

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-175(80)-1.

No. 430. INTERNAL REVENUE COLLECTIONS, BY SELECTED SOURCES: 1960 TO 1981

[For years ending June 30 except, beginning 1977 ending Sept. 30. See also *Historical Statistics, Colonial Times to 1970*, series Y 358-373]

SOURCE OF REVENUE	COLLECTIONS (bil. dol.)								PERCENT OF TOTAL			
	1965	1965	1970	1975	1970	1979	1980	1981	1960	1970	1980	1981
All taxes	91.9	114.4	195.7	293.0	289.6	460.4	519.4	606.8	100.0	100.0	100.0	100.0
Individual income taxes	44.9	53.7	108.7	156.4	213.1	251.5	287.5	332.9	49.0	53.0	55.4	54.9
Withheld by employers	31.7	36.8	77.4	122.1	165.3	195.3	223.8	256.0	34.5	39.6	43.1	42.2
Employment taxes ¹	11.2	17.1	37.4	70.1	97.3	112.8	126.3	152.9	12.2	19.1	24.7	25.2
Old-age and disability insurance	10.2	15.8	35.7	67.1	92.6	107.5	122.5	146.5	11.1	18.2	23.6	24.1
Unemployment insurance .....	.3	.6	.8	1.4	2.6	3.0	3.3	3.6	.4	.4	.6	.1
Corporation income taxes	22.2	26.1	35.0	45.7	65.4	71.4	72.4	73.7	24.2	17.9	13.9	12.2
Estate and gift taxes	1.6	2.7	3.7	4.7	5.4	5.5	6.5	6.9	1.8	1.9	1.3	1.1
Excise taxes ²	11.9	14.6	15.9	16.6	16.7	19.0	24.6	40.4	12.9	8.1	4.7	6.7
Alcohol	3.2	3.6	4.7	5.4	5.6	5.6	5.7	5.7	3.5	2.4	1.1	.9
Tobacco	1.9	2.1	2.1	2.3	2.5	2.5	2.4	2.6	2.1	1.1	.5	.4
Manufactures	4.7	6.4	6.7	5.5	6.6	7.1	6.5	6.1	5.2	3.4	1.3	1.0

¹Includes railroad retirement, not shown separately. ²Includes other taxes not shown separately, including Windfall Profits tax.

Source: U.S. Dept. of the Treasury, *Annual Report of the Commissioner of the Internal Revenue Service*.

No. 431. NUMBER OF INDIVIDUAL INCOME TAX RETURNS, BY MARITAL STATUS: 1970 TO 1980

ITEM	NUMBER OF RETURNS (1,000)						PERCENT		
	1970	1975	1977	1978	1978	1980 ¹	1970	1979	1980 ¹
Total tax returns ¹	74,299	82,229	86,634	86,772	82,894	86,902	100.0	100.0	100.0
Joint returns, husbands and wives	42,376	44,140	44,004	44,483	44,855	45,243	57.0	48.4	48.2
Returns of single persons	25,677	31,011	35,345	37,212	36,785	39,143	34.6	41.8	41.7
Returns with income under \$15,000 ²	64,717	66,816	66,965	66,965	64,962	62,739	100.0	100.0	100.0
Joint returns, husbands and wives	33,421	24,100	18,565	18,484	14,809	13,334	51.6	26.4	25.3
Returns with income over \$15,000 ²	9,982	22,411	29,739	29,788	37,733	41,173	100.0	100.0	100.0
Joint returns, husbands and wives	8,955	20,039	25,439	26,060	30,346	31,910	93.6	60.4	77.5

¹Preliminary. ²Includes other returns not shown separately.
Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax* ¹Final.

**NO. 432. FEDERAL INDIVIDUAL INCOME TAX RETURNS WITH ADJUSTED GROSS INCOME (AGI)—
SUMMARY: 1960 TO 1980**

[Includes Puerto Rico and Virgin Islands. Includes returns of resident aliens; based on a sample of unaudited returns as filed. Taxability or nontaxability is determined by presence or absence of income tax *after credits* (exemptions, deductions, etc.). Classification as "nontaxable" generally based on each return as originally filed and does not reflect subsequent changes (amended returns, audits, etc.). Adjusted gross income (AGI) is gross income from all sources subject to tax reduced by legally permitted subtractions such as: Expenses of operating a business or trade, losses from sales of capital assets, etc. Data are not comparable for all years because of tax changes. See *Statistics of Income, Individual Income Tax Returns* publications for a detailed explanation. See *Historical Statistics, Colonial Times to 1970*, series Y 393-411, for related data]

NATURE OF RETURNS	Unit	1960	1965	1970	1975	1975	1977	1979	1979	1980, prel.
Taxpayers, total.....	Million.....	98.7	107.6	117.0	126.6	129.2	130.7	134.3	137.6	139.2
Personal exemptions.....	Million.....	175.3	190.7	204.1	212.2	215.8	215.2	219.9	224.7	227.9
65 years old and over.....	Million.....	6.7	7.9	8.9	9.9	10.4	10.5	11.0	11.3	11.8
Taxpayers dependents.....	Million.....	69.9	75.1	78.1	75.5	76.0	73.8	74.3	75.8	76.7
Adjusted gross income, total.....	Bil. dol.....	316.6	430.7	634.3	947.8	1,053.9	1,158.5	1,302.4	1,465.4	1,613.7
Total individual returns ¹	Million.....	61.0	67.6	74.3	82.2	84.7	88.6	89.8	92.7	93.9
Returns with AGI.....	Million.....	60.6	67.2	73.8	81.6	84.1	86.1	89.2	92.2	93.2
Taxable.....	Million.....	46.1	53.7	59.3	61.5	64.4	64.4	68.7	71.7	73.9
Percent of all returns.....	Percent ..	79.3	79.4	79.9	74.8	76.1	74.3	76.5	77.4	78.7
Adjusted gross income ²	Bil. dol.....	297.2	400.3	610.3	898.3	1,004.4	1,097.7	1,241.2	1,402.2	1,556.1
Personal exemptions ³	Bil. dol.....	81.2	91.9	107.0	123.8	128.0	126.0	132.1	180.3	185.6
65 years old and over.....	Million.....	(NA)	4.1	5.6	6.7	7.0	6.7	8.4	7.9	9.1
Taxpayers dependents.....	Million.....	(NA)	61.2	68.1	59.5	61.1	59.4	68.7	81.5	62.7
Income tax withheld.....	Bil. dol.....	31.9	38.5	74.2	114.8	126.8	143.5	168.1	194.9	223.9
Nontaxable ⁴	Million.....	12.5	13.5	14.5	20.7	20.2	22.3	21.1	21.0	20.0
Percent of all returns.....	Percent ..	20.7	20.6	20.1	25.2	23.9	25.7	23.5	22.7	21.3
Returns with—										
Standard deduction ⁵	Million.....	36.9	39.3	38.4	55.5	58.2	59.0	59.7	66.2	59.5
Itemized deductions.....	Million.....	24.1	27.9	35.4	26.1	26.0	22.9	25.8	26.5	29.0
Adjusted gross income.....	Bil. dol.....	181.1	267.3	446.7	532.6	581.7	595.0	706.5	796.1	927.7
Deductions, total.....	Bil. dol.....	35.3	50.7	86.2	122.3	133.9	138.5	184.4	184.1	218.0
Overpayments.....	Million.....	39.4	42.8	55.3	63.8	65.0	68.0	65.5	71.4	69.9
Tax due.....	Million.....	18.2	20.0	16.5	15.8	16.9	17.8	21.6	18.8	21.8
Statutory adjustments ⁶	Bil. dol.....	(NA)	3.1	7.7	15.1	16.3	19.3	22.4	24.8	28.6
Taxable income ⁷	Bil. dol.....	171.6	255.1	401.2	595.5	674.9	939.0	1,062.2	1,157.2	1,260.0
Percent of AGI.....	Percent ..	54.2	59.2	63.2	62.8	64.0	81.1	81.6	79.0	79.3
Income tax, total ⁸	Bil. dol.....	39.5	49.5	63.9	124.5	141.8	159.8	186.2	214.5	250.3
Percent of AGI ⁹	Percent ..	13.3	12.1	13.7	13.9	14.1	14.6	14.5	14.6	15.5
Percent of taxable income ¹⁰	Percent ..	23.0	19.4	20.9	20.9	21.2	17.6	17.7	18.5	19.6
Average income per return ⁹	\$1,000.....	6.2	7.6	8.5	14.6	15.6	17.1	15.4	15.8	17.2
Average income tax per return ⁹	Dollar.....	621	922	1,415	2,025	2,201	2,482	2,740	2,992	3,387
Income tax per capita of total population.....	Dollar.....	219	256	413	564	661	738	849	955	1,105
Percent of total population filing returns ¹¹	Percent ..	54.4	54.8	57.2	59.3	60.1	60.4	60.6	61.3	61.4
Total credits.....	Bil. dol.....	.4	.6	.4	8.1	12.7	13.6	17.1	6.8	7.2
Income tax after credits.....	Bil. dol.....	39.5	49.5	63.8	124.4	140.8	158.5	186.7	213.3	249.1
Self-employment tax.....	Bil. dol.....	.1	1.1	1.8	3.4	3.8	4.1	4.7	5.4	5.7
Total tax liability.....	Bil. dol.....	40.3	50.6	65.8	127.9	145.7	184.0	193.2	220.1	256.3
SOURCES OF INCOME (total returns)										
Salaries and wages, gross.....	Bil. dol.....	¹² 257.7	346.8	531.3	795.4	881.0	969.4	1,090.3	1,229.3	1,349.8
Percent of AGI.....	Percent ..	81.4	60.5	63.8	63.9	63.6	83.7	83.7	84.0	83.6
Interest.....	Bil. dol.....	5.0	11.2	21.8	43.4	48.6	54.6	61.2	73.9	102.0
Business or profession, net ¹³	Bil. dol.....	¹⁴ 22.1	25.2	31.0	39.4	44.5	49.5	53.5	56.6	55.1
Dividends ¹⁵	Bil. dol.....	9.5	12.9	15.7	21.9	24.5	27.0	30.2	33.5	38.8
Pensions and annuities ¹⁶	Bil. dol.....	1.6	3.6	7.9	20.9	24.6	29.2	32.7	37.3	43.3
Sale of capital assets ¹⁷	Bil. dol.....	5.1	10.0	8.7	14.1	18.6	20.8	23.2	28.4	29.7
Partnerships ¹⁸	Bil. dol.....	¹⁷ 9.2	¹⁷ 11.1	11.7	10.8	11.7	13.3	15.0	12.4	9.4
Rents ¹⁹	Bil. dol.....	2.7	2.4	2.4	3.4	3.9	3.0	3.1	1.8	.2
Farm ²⁰	Bil. dol.....	(¹⁹)	3.9	3.4	3.6	3.5	.5	3.6	2.1	-1.8
Estates and trusts ²¹	Bil. dol.....	.7	(¹⁹)	1.4	2.6	2.9	2.8	3.1	3.8	4.6
Small business corporation ²²	Bil. dol.....	(¹⁷)	(¹⁷)	1.7	2.1	1.9	2.0	2.3	2.1	.7
Royalties ²³	Bil. dol.....	.6	.8	.8	1.8	2.0	2.2	2.6	2.9	3.9
Other sources ^{24 25}	Bil. dol.....	2.2	6.1	4.2	3.5	2.5	3.5	3.9	6.1	6.8

NA Not available. ¹Through 1970, excludes returns with no adjusted income; thereafter includes returns with no adjusted income. ²1960-1970, returns with adjusted gross income only. Beginning 1975, includes returns with adjusted gross income less deficit. ³Exemptions: 1960 and 1965, \$600; 1970, \$625; 1975-1978, \$750; 1979 and 1980, \$1,000. ⁴Beginning 1975, includes returns with no adjusted income. ⁵For years 1960-1976, includes returns with standard deduction and returns with no deductions. Starting in 1977, includes returns with the zero bracket amount only. ⁶Comprises sick pay exclusion (for 1977 changed to disability exclusion), moving expense, self-employed retirement deduction and, beginning 1975, payments to an individual retirement account and forfeited interest penalty. ⁷Represents adjusted gross income minus exemptions and deductions. Beginning 1977, includes the "zero bracket" amount and therefore is not comparable to taxable income shown for earlier years.

⁸Income tax after credits. Beginning 1970, includes additional tax for tax preferences ("minimum tax"). ⁹Only taxable returns counted in computing percent or average. ¹⁰Beginning 1977, taxable income includes zero bracket amount, and therefore the percentage is not comparable to earlier years. ¹¹Joint returns counted twice in computing percent.

¹²Represents salaries and wages after sick pay exclusion and certain employee business expenses. ¹³Figures represent net income minus net loss. ¹⁴Farm, net included with business or profession, net. ¹⁵After exclusions. ¹⁶Taxable portion.

¹⁷Small business corporation included with partnerships. ¹⁸Included in other sources. ¹⁹Statutory adjustments are not included with other sources.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*, annual.

No. 433. FEDERAL INDIVIDUAL INCOME TAX RETURNS WITH ADJUSTED GROSS INCOME: 1960 TO 1980

[In thousands of returns. See headnote, table 432]

ITEM	1965	1969	1978	1974	1975	1975	1977	1978	1978	1980, prel.
Total individual returns ¹	61,028	87,596	74,280	83,340	82,229	84,670	86,835	89,772	92,894	93,902
Returns with adjusted gross income.....	60,593	67,199	73,862	82,794	81,586	84,124	86,086	89,247	92,152	93,236
Under \$5,000.....	35,008	32,620	27,890	26,221	24,258	23,389	22,694	21,712	20,321	19,492
\$5,000-\$9,999.....	20,286	23,474	22,303	20,587	19,953	19,893	19,343	19,585	19,665	18,371
\$10,000-\$14,999.....	3,642	7,715	14,106	15,670	14,984	14,551	14,299	14,242	14,433	14,303
\$15,000-\$19,999.....	786	1,762	5,538	10,071	10,354	11,368	11,405	11,409	11,365	11,098
\$20,000-\$24,999.....	324	1,394	1,909	4,945	5,598	6,650	7,767	8,553	9,021	9,159
\$25,000-\$29,999.....	441		766	2,260	2,744	3,630	4,354	5,366	6,309	6,784
\$30,000-\$49,999.....			918	2,174	2,748	3,639	4,785	6,535	8,675	11,004
\$50,000-\$99,999.....			351	701	761	948	1,141	1,471	1,890	2,568
\$100,000-\$499,999.....	23	44	75	162	162	221	272	345	438	444
\$500,000-\$999,999.....	1	1	2	3	3	4	5	7	10	12
\$1,000,000 and over.....	(z)	1	1	1	1	1	2	2	4	4
Taxable returns.....	46,061	53,701	59,317	67,335	61,491	64,421	64,381	68,688	71,695	73,906
Under \$5,000.....	22,752	19,614	13,815	11,718	7,167	6,806	4,950	5,137	4,717	4,702
\$5,000-\$9,999.....	19,999	23,011	21,873	19,789	17,338	17,135	15,875	16,301	15,449	14,411
\$10,000-\$14,999.....	3,637	7,696	14,081	15,566	14,724	14,329	14,014	13,820	14,064	13,914
\$15,000-\$19,999.....	786	1,757	5,532	10,046	10,260	11,127	11,310	11,280	11,247	10,981
\$20,000-\$24,999.....	323	1,389	1,906	4,933	5,571	6,619	7,727	8,491	8,964	9,091
\$25,000-\$29,999.....	441		766	2,254	2,734	3,612	4,333	5,352	6,276	6,759
\$30,000-\$49,999.....			916	2,165	2,734	3,620	4,760	6,495	8,646	10,954
\$50,000-\$99,999.....			350	696	776	945	1,134	1,480	1,881	2,554
\$100,000-\$499,999.....	23	44	75	161	161	221	271	344	437	543
\$500,000-\$999,999.....	1	1	2	3	3	4	5	7	10	12
\$1,000,000 and over.....	(z)	1	1	1	1	1	2	2	4	4

Z Less than 500. ¹ See footnote 1, table 432.
Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*, annual.

No. 434. AVERAGE TAX OF TAXABLE INDIVIDUAL INCOME TAX RETURNS AND PERCENT TOTAL TAX OF TAXABLE INCOME, BY ADJUSTED GROSS INCOME CLASSES: 1960 TO 1980

ADJUSTED GROSS INCOME CLASS	1960	1965	1970	1974	1975	1976	1977	1979	1979	1980, prel.
	AVERAGE TAX									
Total (dol.).....	821	922	1,415	1,836	2,025	2,201	2,482	2,740	2,992	3,367
Under \$5,000 (\$1,000) .....	.3	.2	.3	.2	.1	.2	.1	.1	.1	.2
\$5,000-\$9,999 (\$1,000).....	.8	.7	.8	.7	.6	.6	.5	.5	.5	.5
\$10,000-\$14,999 (\$1,000).....	1.7	1.4	1.5	1.4	1.3	1.3	1.2	1.2	1.2	1.2
\$15,000-\$24,999 (\$1,000).....	3.3	} 3.7	2.7	2.5	2.4	2.4	2.4	2.5	2.4	2.5
\$25,000-\$29,999 (\$1,000).....	} 8.2		4.7	4.3	4.2	4.1	4.1	4.1	3.9	3.9
\$30,000-\$49,999 (\$1,000).....			7.8	6.9	6.7	6.7	6.6	6.6	6.3	6.4
\$50,000-\$99,999 (\$1,000).....			19.4	17.5	17.2	17.2	17.1	16.7	15.9	15.6
\$100,000-\$499,999 (\$1,000).....	68.9	63.0	60.8	57.2	56.3	57.8	57.7	57.4	56.9	56.7
\$500,000-\$999,999 (\$1,000).....	312	294	304	301	296	314	310	305	300	296
\$1,000,000 and over (\$1,000).....	951	967	992	969	967	1,069	1,045	988	1,132	1,000
	PERCENT TOTAL TAX ¹ OF TAXABLE INCOME									
Total.....	23.0	19.5	29.6	21.6	21.1	21.2	² 17.6	15.3	19.5	19.9
Under \$5,000	19.9	15.3	15.6	15.4	12.6	12.5	4.4	4.2	2.3	2.9
\$5,000-\$9,999	20.4	16.3	17.2	16.9	15.3	14.3	6.6	6.6	6.0	6.1
\$10,000-\$14,999	21.4	17.6	18.4	18.0	17.0	16.1	11.8	11.3	12.3	12.3
\$15,000-\$24,999	24.2	} 22.1	20.4	19.6	18.6	18.3	15.1	15.2	15.2	15.5
\$25,000-\$29,999	} 30.8		23.1	21.9	21.2	20.9	18.1	18.1	17.5	17.7
\$30,000-\$49,999			27.0	25.0	24.4	24.4	21.9	21.7	21.0	21.2
\$50,000-\$99,999			36.1	33.6	33.3	33.6	31.5	30.9	29.9	29.9
\$100,000-\$499,999	53.7	47.7	49.8	46.1	45.7	46.7	45.1	44.5	43.9	43.9
\$500,000-\$999,999	59.0	53.7	62.5	60.0	59.1	62.2	60.5	59.1	57.4	57.0
\$1,000,000 and over	61.6	54.4	61.2	65.0	64.9	67.3	66.4	65.3	64.5	62.6

¹ Consists of income tax after credits, and beginning in 1970, minimum tax, and beginning in 1979, alternative minimum tax.
² Beginning 1977, not comparable to previous years because of change in definition of taxable income (see headnote, table 432, and footnote 2, table 435).
Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*, annual.

NO. 435. INDIVIDUAL INCOME TAX RETURNS, BY ADJUSTED GROSS INCOME CLASSES: 1965 TO 1980

(Includes Puerto Rico and Virgin Islands. Based on sample of unaudited returns as filed; see Appendix III)

ADJUSTED GROSS INCOME CLASS	TOTAL (in dol.)						PERCENT DISTRIBUTION					
	1965	1970	1975	1978	1979	1980, prel.	1965	1970	1975	1978	1979	1980, prel.
ADJUSTED GROSS INCOME ¹												
Total	430.7	634.2	947.8	1,302.4	1,455.4	1,613.7	100.0	100.0	100.0	100.0	100.0	100.0
Taxable returns	409.4	610.3	896.3	1,241.2	1,402.2	1,556.1	95.0	96.2	94.5	95.3	95.7	96.4
Under \$5,000	59.5	47.2	26.8	18.6	18.5	16.1	13.8	7.4	2.8	1.5	1.3	1.1
\$5,000-\$9,999	167.4	162.9	129.8	122.4	117.3	109.9	38.9	25.7	13.7	9.4	8.0	6.8
\$10,000-\$14,999	91.6	171.6	182.8	171.8	174.9	172.5	21.3	27.1	19.3	13.2	11.9	10.7
\$15,000-\$19,999	29.8	84.4	177.4	196.6	196.1	191.1	6.9	14.9	18.7	15.1	13.4	11.8
\$20,000-\$24,999		42.1	123.7	189.6	200.4	204.0		6.6	13.1	14.8	13.7	12.6
\$25,000-\$29,999	39.5	20.6	74.3	145.9	171.4	185.1	9.2	3.3	7.8	11.2	11.7	11.5
\$30,000-\$49,999		34.0	99.7	237.5	317.2	406.2		5.4	10.5	18.2	21.6	25.2
\$50,000-\$99,999	12.4	23.0	51.2	95.6	122.6	165.0	2.9	3.6	5.4	7.3	8.4	10.2
\$100,000-\$499,999	7.1	11.7	27.9	54.1	69.6	86.7	1.7	1.9	2.9	4.2	4.8	5.4
\$500,000-\$999,999	.9	1.2	2.2	4.4	6.5	8.3	.2	.2	.2	.3	.5	.5
\$1,000,000 and over	1.4	1.4	2.3	4.1	8.1	9.2	.3	.2	.2	.3	.6	.8
Nontaxable returns	21.3	23.9	49.5	61.2	63.1	57.6	5.0	3.8	5.2	4.7	4.3	3.6
TAXABLE INCOME ²												
Total	258.1	401.2	596.5	1,062.2	1,167.2	1,280.0	100.0	100.0	100.0	100.0	100.0	100.0
Taxable returns	254.3	400.9	590.4	1,027.3	1,127.5	1,252.0	98.7	99.8	99.1	98.7	97.4	97.9
Under \$5,000	26.3	22.9	9.4	16.6	14.3	14.5	11.1	5.7	1.6	1.6	1.2	1.1
\$5,000-\$9,999	94.7	96.6	70.3	100.5	82.2	86.0	37.1	24.1	11.8	6.5	6.0	5.7
\$10,000-\$14,999	60.8	112.2	113.0	141.8	137.7	136.7	23.8	28.0	19.0	13.3	11.9	10.7
\$15,000-\$19,999	21.7	66.8	116.8	163.2	157.2	154.3	8.5	16.6	19.6	15.3	13.6	12.1
\$20,000-\$24,999		31.0	86.7	157.0	161.4	164.5		7.7	14.6	14.8	13.9	12.9
\$25,000-\$29,999	30.9	15.6	53.8	121.4	139.0	149.9	12.2	3.9	9.0	11.4	12.0	11.7
\$30,000-\$49,999		26.4	74.7	197.0	257.8	326.4		6.6	12.5	18.5	22.3	25.7
\$50,000-\$99,999	10.2	18.4	40.1	76.8	99.7	133.2	4.0	4.6	6.7	7.4	8.6	10.4
\$100,000-\$499,999	5.8	9.1	22.3	44.4	58.7	70.0	2.3	2.3	3.7	4.2	4.9	5.5
\$500,000-\$999,999	.8	.8	1.6	3.4	5.2	6.5	.9	.2	.3	.3	.5	.5
\$1,000,000 and over	1.1	1.0	1.7	3.1	6.3	7.0	.4	.2	.3	.3	.5	.6
Nontaxable returns	7	.3	5.1	34.9	29.6	28.0	.3	1	.9	3.3	2.6	2.2
INCOME TAX AFTER CREDITS ³												
Total	49.5	63.9	124.5	186.7	214.7	249.1	(X)	(X)	(X)	100.0	100.0	100.0
Taxable returns	49.5	63.9	124.5	186.7	214.7	249.1	100.0	100.0	100.0	100.0	100.0	100.0
Under \$5,000	4.4	3.6	1.2	.6	.5	.6	8.9	4.3	1.0	.3	.2	.2
\$5,000-\$9,999	15.4	16.7	10.7	8.8	8.2	7.8	31.2	19.9	6.6	4.7	3.8	3.1
\$10,000-\$14,999	10.7	20.6	19.2	17.1	17.1	17.0	21.6	24.6	15.4	9.2	8.0	6.8
\$15,000-\$19,999	4.2	13.2	21.2	23.4	22.7	22.8	8.5	15.7	17.0	12.5	10.6	9.2
\$20,000-\$24,999		6.7	17.0	25.3	25.7	26.8		8.0	13.7	13.6	12.0	10.8
\$25,000-\$29,999	7.4	3.6	11.4	21.9	24.4	26.6	15.0	4.3	9.2	11.7	11.4	10.7
\$30,000-\$49,999		7.1	18.2	42.5	53.9	69.9		8.5	14.6	22.6	25.3	26.1
\$50,000-\$99,999	3.7	6.6	13.4	24.0	29.5	39.5	7.5	7.9	10.8	12.9	13.8	15.9
\$100,000-\$499,999	2.8	4.5	10.2	19.2	24.4	30.2	5.7	5.4	8.2	10.3	11.4	12.1
\$500,000-\$999,999	.4	.5	1.0	1.9	2.9	3.6	.8	.6	.8	1.0	1.3	1.4
\$1,000,000 and over	.5	.8	1.1	1.9	4.0	4.3	1.2	.8	.9	1.0	1.9	1.7

X Not applicable. ¹Beginning 1975, adjusted gross income less deficit. ²Represents adjusted gross income minus exemptions and deductions. Beginning 1977, includes the "zero bracket" amount and therefore is not comparable to taxable income shown for earlier years. ³Beginning 1970, includes minimum tax; beginning 1979, includes alternative minimum tax.

NO. 436. NONTAXABLE INDIVIDUAL INCOME TAX RETURNS—NUMBER OF RETURNS AND AMOUNT OF ADJUSTED GROSS INCOME: 1970 TO 1980

ADJUSTED GROSS INCOME CLASS ¹	NUMBER OF RETURNS (1,000)					ADJUSTED GROSS INCOME (mil. dol.)				
	1970	1975	1978	1979	1980, prel.	1970	1975	1978	1979	1980, prel.
Total	14,962	29,739	31,963	30,999	18,966	21,421	46,479	61,246	63,131	67,649
Under \$5,000	14,493	17,735	17,100	16,145	15,351	17,969	26,433	27,937	24,125	15,616
\$5,000-\$9,999	430	2,615	3,284	4,217	3,980	2,717	16,680	21,432	26,362	26,727
\$10,000-\$14,999	25	239	422	370	399	295	2,867	4,977	4,366	4,696
\$15,000-\$19,999	9	120	191	196	204	171	2,177	3,886	3,653	3,636
\$20,000-\$24,999	4	23	74	62	77	121	776	2,433	1,938	2,491
\$25,000 or more	1	6	12	9	15	149	539	886	847	1,109

¹Adjusted gross income less deficit.Source of tables 435 and 436: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*, annual.

J. 437. FEDERAL INDIVIDUAL INCOME TAX—EFFECTIVE (AVERAGE) AND MARGINAL TAX RATES, FOR SELECTED INCOME GROUPS: 1964 TO 1982

Where to income after exclusions. Effective rate represents tax liability divided by stated income. The marginal tax rate is the percentage of the first additional dollar of income which would be paid in income tax. Computations assume the low income allowance, standard deduction, zero bracket amount, or limited deductions equal to 10 percent of adjusted gross income, whichever is greatest. Excludes self-employment tax. See *Historical Statistics, Colonial Times to 1870*, series Y 412-438, for similar data based on net income.

ADJUSTED GROSS INCOME 1	TAX LIABILITY					EFFECTIVE RATE (percent)					MARGINAL TAX RATE (percent)				
	1964-1965	1976	1977-1978	1979-1980	1982	1964-1965	1976	1977-1978	1979-1980	1982	1964-1965	1976	1977-1978	1979	1982
CURRENT DOLLARS															
Single person, no dependent															
\$5,000	516	683	404	279	250	16.4	13.4	8.1	5.5	4.3	22	19	19	16	14
\$10,000	2,086	1,742	1,476	1,221	1,043	21.0	17.4	14.8	12.2	10.4	34	26	24	21	19
\$20,000	5,900	4,918	4,123	3,407	3,442	29.5	24.6	22.0	20.0	17.2	50	42	34	31	31
\$25,000	8,324	6,962	5,865	5,715	4,944	33.5	27.9	23.6	22.9	19.8	56	46	38	36	36
\$35,000	13,778	11,627	9,668	9,548	8,292	38.4	33.2	27.7	27.3	23.7	62	53	45	44	40
\$50,000	22,786	19,230	16,710	16,560	14,466	45.8	36.8	33.4	33.1	28.9	72	60	50	50	50
\$75,000	39,702	33,208	30,880	30,530	25,718	53.9	44.3	40.8	40.7	34.3	79	64	54	54	50
Married couple, 2 dependents															
\$5,000	420	290	300	500	500	8.4	8.8	6.0	18.0	10.0	20	15	10	10	14
\$10,000	1,372	1,114	708	448	322	13.7	11.1	7.1	4.5	9.2	22	19	17	16	22
\$20,000	3,800	3,213	2,740	2,285	2,013	18.0	15.8	13.7	12.6	10.1	30	25	25	24	26
\$25,000	5,318	4,412	4,062	3,664	3,137	21.3	17.6	16.4	15.5	12.5	38	32	28	28	28
\$35,000	8,037	7,529	7,175	7,115	5,904	25.8	21.5	20.5	20.3	18.9	47	39	39	37	33
\$50,000	15,976	13,368	12,060	12,920	10,911	32.0	26.8	26.0	24.2	21.8	56	46	48	43	39
\$75,000	29,835	25,025	24,575	24,515	21,066	39.5	33.4	32.8	32.7	28.1	65	55	55	54	49
REAL INCOME EQUIVALENT															
CONSTANT (1980) DOLLARS															
Single person, no dependents															
\$5,000	2,010	3,499	4,167	4,536	5,690	12.0	7.5	4.0	3.9	5.6	20	18.6	16	16	16
\$10,000	4,019	5,170	6,334	6,902	11,361	15.5	13.9	11.4	10.9	11.5	22	21.9	21	21	19
\$20,000	8,038	10,341	13,997	16,868	22,781	19.3	17.0	16.7	17.9	18.8	30	25.6	29	34	31
\$25,000	10,048	12,926	17,496	22,080	28,452	21.0	18.7	19.0	20.9	21.2	34	27.7	34	39	36
\$35,000	14,067	18,097	24,494	31,752	39,832	24.4	21.1	23.2	24.9	26.7	43	31.8	40	44	44
\$50,000	20,095	25,862	34,962	45,361	56,803	29.6	24.8	27.7	30.0	30.9	50	41.0	50	55	50
\$75,000	30,143	38,779	52,487	68,041	85,355	36.7	30.2	34.4	37.5	35.8	62	51.2	62	63	60
Married couple, 2 dependents															
\$5,000	2,010	2,595	4,167	4,536	5,690	8.1	5.6	4.2	4.4	6.8	20	18.6	10	10	14
\$10,000	4,019	5,170	6,334	6,902	11,361	12.2	11.4	10.2	10.5	11.3	22	19.5	21	24	22
\$20,000	8,038	10,341	13,997	16,868	22,781	17.7	15.3	12.1	12.8	14.1	30	25.6	28	28	26
\$25,000	10,048	12,926	17,496	22,080	28,452	18.1	16.3	17.7	17.4	18.8	36	28.6	36	37	36
\$35,000	14,067	18,097	24,494	31,752	39,832	19.0	16.9	20.5	22.8	23.9	43	32.8	46	44	44
\$50,000	20,095	25,862	34,962	45,361	56,803	23.6	23.3	29.8	29.7	30.1	50	43.0	53	54	49
\$75,000	30,143	38,779	52,487	68,041	85,355	29.6	23.3	29.8	29.4	31.2	65	55	54	54	49

— Represents zero. ¹See footnote, table 432. ²Includes tax surcharge. ³1981 tax liability and tax rates are 98.75 percent of the 1980 rates. ⁴Refundable earned income credit. ⁵Amount of adjusted gross income equivalent to adjusted gross income in 1980 dollars was calculated by using the NIPA personal consumption expenditure deflator (1972=100). The values of the deflators are: 1980, 71.8; 1979, 82.5; 1976, 125.3; 1975, 148.1; 1978, 162.3; 1980, 178.9, and 1982, 203.8 (est.).

Sources: U.S. Dept. of the Treasury, unpublished data.

NO. 433. FEDERAL INDIVIDUAL INCOME TAX RETURNS AND TAXES 1970 TO 1980—STATES AND OTHER AREAS: 1980

[1970 data differ somewhat from those in other tables for individual returns with income because of a distinct weighting system for State data]

YEAR, DIVISION, AND STATE	Number of returns (1,000)	Adjusted gross income ¹ (mil. dol.)	Total income tax ² (mil. dol.)	Income tax per capita (dol.)	YEAR, DIVISION, AND STATE	Number of returns (1,000)	Adjusted gross income ¹ (mil. dol.)	Total income tax ² (mil. dol.)	Income tax per capita (dol.)
1970.....	74,278	831,828	83,880	412	S.A.—Con.				
1975.....	82,229	847,785	124,526	585	Va.....	2,227	38,794	5,942	1,111
1979.....	92,894	1,486,395	214,495	987	W. Va.....	674	10,896	1,868	855
1980, prel.....	93,902	1,613,731	290,341	1,116	N.C.....	2,339	34,490	4,721	804
M.E.....	5,486	93,633	14,946	1,210	S.C.....	1,184	17,340	2,263	726
Maine.....	461	8,381	840	745	Ga.....	2,131	33,037	4,657	852
N.H.....	412	8,752	1,019	1,108	Fla.....	4,159	67,126	10,852	1,114
Vt.....	210	8,042	411	893	E.S.C.....	5,398	78,964	11,963	774
Mass.....	2,638	43,124	6,716	1,171	Ky.....	1,308	19,889	2,880	781
R.I.....	407	6,397	980	1,013	Tenn.....	1,762	26,597	3,892	848
Conn.....	1,438	27,967	5,002	1,810	Ala.....	1,397	21,479	2,993	789
M.A.....	16,367	273,809	43,175	1,174	Miss.....	961	11,989	1,806	838
N.Y.....	7,157	129,526	20,139	1,147	W.S.C.....	9,418	181,898	28,927	1,134
N.J.....	3,355	82,910	10,389	1,411	Ark.....	812	11,273	1,516	863
Pa.....	4,845	81,173	12,647	1,086	La.....	1,676	28,505	4,364	1,030
E.N.C.....	17,161	303,264	44,192	1,167	Okla.....	1,166	19,966	3,142	1,036
Ohio.....	4,481	78,445	12,047	1,116	Tex.....	5,845	103,954	17,915	1,259
Ind.....	2,202	37,210	5,862	1,088	Mt.....	4,761	76,818	11,329	1,014
Ill.....	4,834	90,055	15,221	1,333	Mont.....	331	4,896	697	889
Mich.....	3,665	66,797	10,418	1,125	Idaho.....	359	5,462	706	747
Wis.....	1,999	32,767	4,644	987	Wyo.....	210	3,949	679	1,442
W.N.C.....	7,110	116,888	17,425	1,380	Colo.....	1,297	22,812	3,545	1,227
Minn.....	1,738	29,683	4,373	1,073	N. Mex.....	516	7,784	1,093	841
Iowa.....	1,169	19,847	2,921	1,885	Ariz.....	1,113	16,296	2,597	965
Mo.....	1,978	32,166	4,909	996	Utah.....	539	8,750	1,109	769
N. Dak.....	271	3,980	562	859	Nev.....	394	6,786	1,103	1,360
S. Dak.....	278	3,733	507	735	Pac.....	13,672	252,270	38,617	1,216
Nebr.....	682	10,474	1,500	995	Wash.....	1,789	32,732	5,410	1,310
Kans.....	996	16,963	2,653	1,123	Orag.....	1,129	18,535	2,661	1,011
S.A.....	16,162	246,396	37,302	1,007	Calif.....	10,347	189,585	28,732	1,212
Del.....	254	4,828	745	1,250	Alaska.....	183	4,097	770	1,825
Md.....	1,876	34,500	5,397	1,278	Hawaii.....	424	7,321	1,044	1,082
D.C.....	308	5,584	967	1,516	Other ³	267	7,205	898	(NA)

NA Not available. ¹ Less deficit. ² Includes additional tax for tax preferences. ³ Returns with addresses outside the United States.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*, annual.

NO. 438. FEDERAL INDIVIDUAL INCOME TAX RETURNS WITH ITEMIZED DEDUCTIONS, BY ADJUSTED GROSS INCOME CLASSES: 1980

[See headnote, table 432]

ADJUSTED GROSS INCOME CLASS	Returns with itemized deductions (1,000)	Adjusted gross income (bil. dol.)	Taxable income (bil. dol.)	ITEMIZED DEDUCTIONS							
				Total itemized deductions ¹ (bil. dol.)	Percent of—		Taxes (bil.)	Interest paid (bil. dol.)		Contributions (bil. dol.)	Medical and dental expenses (bil. dol.)
					Adjusted gross income	Taxable income		Total	Home mortgage		
Total.....	26,998	927.7	711.2	213.8	22.8	38.7	66.4	91.2	36.3	26.0	16.0
Taxable returns.....	27,799	914.9	(NA)	207.1	22.8	(NA)	67.8	90.5	36.2	26.1	12.6
Under \$10,000.....	1,046			3.1			1.6	1.1	.7	.4	.8
\$10,000–\$24,999.....	10,438			64.7			15.1	24.4	17.0	5.5	5.8
\$25,000–\$49,999.....	13,348			97.8			33.1	42.3	29.1	10.4	4.6
\$50,000–\$99,999.....	2,287	(NA)	(NA)	31.1	(NA)	(NA)	11.6	12.0	7.3	4.1	1.1
\$100,000–\$199,999.....	426			11.0			3.3	3.8	1.8	1.9	.3
\$200,000 and over.....	115			9.6			3.2	2.7	.5	2.8	.1
Non-taxable returns.....	1,199	12.8	(NA)	16.9	66.2	(NA)	1.6	4.9	3.1	.7	2.6

NA Not available. ¹ Includes others not shown separately.

Source: U.S. Internal Revenue Service, *Statistics of Income, 1980, Individual Income Tax Returns*.

NO. 440. FEDERAL INDIVIDUAL INCOME TAX RETURNS—ADJUSTED GROSS INCOME, BY SOURCE OF INCOME AND INCOME CLASS: 1980

[In millions of dollars, except percent. Minus sign (-) denotes that net loss was greater than net income. See footnote, table 432]

ITEM	Total income ¹	ADJUSTED GROSS INCOME CLASSES FOR TAXABLE RETURNS						
		Total ²	Under \$10,000 ³	\$10,000-\$24,999	\$25,000-\$49,999	\$50,000-\$99,999	\$100,000-\$199,999	\$200,000 and over
Number of returns (1,000)	85,802	75,908	19,113	33,987	17,713	2,554	442	117
SOURCE OF INCOME								
Adjusted gross income	1,613,732	1,556,062	126,001	567,522	501,273	105,038	58,423	45,626
Salaries, gross	1,349,843	1,280,027	107,197	494,349	517,961	117,138	34,845	16,536
Percent of gross income	83.6	82.9	83.8	82.7	87.6	71.0	59.8	40.6
Interest	102,009	95,173	11,212	32,306	28,417	13,795	5,222	4,222
Business profession, net	55,129	54,058	2,337	13,844	18,377	12,970	4,202	2,329
Dividends	38,781	37,448	1,728	5,832	8,234	8,234	5,394	6,228
Pensions and annuities ⁴	43,340	40,598	6,159	18,771	11,829	2,888	527	212
Sales of capital assets, ⁵ net	29,736	26,061	1,292	3,928	5,106	5,365	3,753	8,639
Partnership, net	8,429	12,166	-726	2,039	3,243	3,610	2,714	1,288
Farm, net	1,793	2,028	-75	300	980	952	182	-293
Rents and royalties, net	4,105	6,365	368	741	442	1,311	1,112	1,392
Other sources, ⁶ net	-20,413	-6,649	-1,468	-4,988	-3,318	-7,225	492	1,273
PERCENT DISTRIBUTION								
Income tax returns	100.0	78.7	20.4	36.2	18.9	2.7	.5	1
Adjusted gross income	100.0	96.4	8.0	36.2	30.6	10.2	3.6	2.9
Salaries, gross	100.0	95.8	7.9	36.8	38.4	8.7	2.6	1.4
Interest	100.0	93.3	11.0	31.7	27.9	13.5	5.1	4.1
Business profession, net	100.0	98.1	4.2	25.1	33.3	23.6	7.6	4.2
Dividends	100.0	96.6	4.8	14.5	21.2	21.2	13.9	21.2
Pensions and annuities ⁴	100.0	93.2	14.2	43.3	27.3	6.7	1.2	.5
Sales of capital assets, ⁵ net	100.0	94.4	4.3	13.2	17.1	18.0	12.6	29.1
Partnership, net	100.0	129.0	-7.7	21.8	34.4	38.3	28.6	13.1
Farm, net	100.0	113.0	-4.2	16.7	54.7	53.1	9.0	16.3
Rents and royalties, net	100.0	130.7	9.0	18.1	10.8	31.9	27.1	32.9

¹Includes returns with no adjusted gross income. ²Includes a small number of taxable returns with no adjusted gross income. ³Taxable portion. ⁴Includes net sales of property other than capital assets (\$75 mil. in 1980). ⁵Includes statutory adjustments.

Source: U.S. Internal Revenue Service, *Statistics of Income, 1980, Individual Income Tax Returns*.

NO. 441. FEDERAL INDIVIDUAL INCOME AND EMPLOYMENT TAX RECEIPTS—STATES: 1979 TO 1981

[For years ending Sept. 30. A State's receipts do not necessarily indicate its tax burden since, in many instances, taxes are collected in one State from residents of another]

DIVISION AND STATE	TAX RECEIPTS (mil. dol.)			PERCENT OF PERSONAL INCOME ¹			DIVISION AND STATE	TAX RECEIPTS (mil. dol.)			PERCENT OF PERSONAL INCOME ¹		
	1979	1980	1981	1979	1980	1981		1979	1980	1981	1979	1980	1981
Total ¹	364,396	415,678	485,726	18.8	18.4	19.5	S.A.—Con.						
N.E.	16,908	24,028	31,884	18.0	18.3	22.1	Va.	5,838	6,712	7,883	13.0	12.8	13.3
Maine	989	1,100	1,316	12.2	11.8	13.0	W. Va.	1,525	1,708	1,888	10.8	10.8	11.2
N.H.	1,042	1,209	1,491	14.0	13.6	15.2	N.C.	5,933	6,884	7,792	14.4	14.3	14.7
Vt.	441	491	590	12.3	11.7	12.8	S.C.	2,561	2,962	3,447	12.6	12.5	13.1
Mass.	9,065	10,789	12,970	17.5	17.7	19.5	Ga.	5,725	6,810	8,102	14.5	14.7	15.7
R.I.	1,487	1,852	1,924	18.5	17.7	18.7	Fla.	10,884	13,282	16,411	14.3	14.1	15.3
Conn.	6,904	8,777	13,371	21.5	23.0	31.9	E.C.	12,979	14,713	15,824	13.1	13.0	12.8
S.A.	73,334	84,269	95,086	21.9	21.8	22.3	Ky.	3,312	3,731	4,099	12.9	12.6	12.9
N.Y.	36,976	45,235	52,178	24.1	24.0	25.1	Tenn.	4,891	5,395	5,347	14.6	14.6	13.1
N.J.	13,659	15,490	16,314	19.0	18.3	17.6	Ala.	3,466	3,868	4,483	13.1	12.8	13.5
Pa.	20,897	23,534	26,576	20.4	20.2	21.0	Miss.	1,508	1,719	1,985	9.9	10.0	10.6
E.M.C.	83,008	90,186	102,512	22.0	21.3	23.0	W.S.C.	32,731	38,260	47,388	17.4	16.8	18.2
Ohio	21,535	25,528	25,806	22.0	21.2	22.8	Ark.	1,877	1,892	2,189	10.9	11.1	11.6
Ind.	8,273	9,164	10,532	18.1	18.1	19.6	La.	4,557	5,583	6,818	14.7	14.8	16.0
Ill.	25,589	29,206	33,812	23.1	23.7	25.1	Okl.	3,742	5,087	6,708	15.5	17.7	20.3
Mich.	20,815	21,802	23,613	24.1	22.3	22.9	Tex.	22,755	25,708	31,892	19.3	17.9	19.0
Wis.	6,784	7,888	8,649	16.8	16.8	17.7	Mt.	14,868	17,382	20,828	16.4	16.1	17.1
W.M.C.	27,897	32,019	36,494	18.4	18.4	19.9	Mont.	728	818	930	11.7	11.4	11.6
Minn.	8,261	9,851	11,009	22.9	23.4	24.2	Idaho	1,137	1,297	1,523	16.3	16.1	17.3
Iowa	3,354	3,722	4,105	13.3	13.3	13.5	Wyo.	529	653	775	11.9	12.0	12.6
Mo.	9,315	10,626	12,048	23.1	23.4	23.9	Colo.	5,911	6,913	8,481	23.2	22.6	24.7
N. Dak.	673	747	942	12.4	12.7	12.4	N. Mex.	1,095	1,272	1,478	12.0	11.9	12.4
S. Dak.	589	654	734	11.4	11.8	11.8	Ariz.	2,817	3,342	3,861	13.4	13.2	13.6
Nebr.	2,472	2,791	3,199	18.3	18.8	19.0	Utah	1,387	1,601	1,872	13.9	13.6	14.2
Kans.	3,233	3,828	4,457	14.9	15.8	16.6	Nev.	1,254	1,487	1,708	16.6	16.3	16.7
S.A.	44,981	52,284	61,389	18.6	18.0	18.1	Pac.	51,801	61,087	69,636	17.1	17.0	17.6
Del.	1,555	1,792	1,583	28.4	27.9	23.1	Wash.	8,387	7,410	8,507	16.7	16.3	17.5
Md. and D.C.	10,980	12,178	14,285	23.5	22.4	24.0	Oreg.	3,869	3,898	4,881	17.3	15.9	18.1
							Calif.	39,805	47,531	53,585	17.3	17.4	17.7
							Alaska	737	824	1,047	16.1	15.2	17.1
							Hawaii	1,221	1,423	1,805	14.1	13.9	14.1

¹See table 704 for base data. ²Includes Puerto Rico, international operations, and unallocated receipts and credits.

Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner*.

NO. 442. CORPORATION INCOME TAX RETURNS—SUMMARY: 1960 TO 1979

[Estimates based on samples; see Appendix III. All data based on returns for periods ending between July 1 of year shown and June 30 of following year, as filed. All corporations are required to file returns except those specifically exempt, such as fraternal, civic, and charitable organizations not operating for profit. See source for changes in law affecting comparability of historical data. Corporate data based on income tax returns appear in Section 18. See also *Historical Statistics, Colonial Times to 1970*, series Y 381-392.]

ITEM	Unit	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Number of returns	1,000	1,166	1,480	1,747	1,981	2,043	2,100	2,159	2,329	2,470	2,632
Active corporations	1,000	1,141	1,424	1,665	1,905	1,966	2,024	2,082	2,242	2,377	2,557
With net income	1,000	670	915	1,008	1,203	1,207	1,226	1,274	1,425	1,524	1,586
Without net income	1,000	470	509	657	702	759	797	809	817	853	971
Inactive corporations	1,000	47	66	82	76	77	76	77	87	93	75
Total receipts ¹	Bil. dol.	649	1,195	1,751	2,558	3,090	3,189	3,635	4,128	4,715	5,569
Total deductions	Bil. dol.	605	1,120	1,683	2,435	2,942	3,053	3,449	3,909	4,467	5,316
Net income	Bil. dol.	50	81	84	136	171	189	210	245	275	322
Net income less deficit ²	Bil. dol.	44	74	68	120	146	143	165	219	247	285
Income subject to tax	Bil. dol.	42	71	72	116	144	147	183	213	240	279
Income tax, total	Bil. dol.	23	32	33	52	66	66	83	96	108	120
Foreign tax credit	Bil. dol.	1	3	5	10	21	20	24	26	26	37
Investment credit	Bil. dol.	(x)	2	1	4	4	6	9	11	13	15
Tax after credits ³	Bil. dol.	22	27	28	39	41	40	50	57	64	68

X Not applicable. ¹ Consists of business receipts, taxable and nontaxable interest, rents, royalties, net gain from capital assets (as defined by law) and other property, dividends, and other taxable income. Includes nontaxable interest. ² Net income (less deficit) is a tax concept and therefore excludes wholly tax-exempt interest; beginning 1965, includes constructive taxable income from related foreign corporations. ³ See footnote 4, table 443. ⁴ Tax liability is after deduction for foreign tax credit. Beginning 1965, data are after investment credit; beginning 1973, after work incentive (WIN) credit; beginning 1976, after U.S. possessions tax credit; and beginning 1977, after jobs credit. Beginning 1965, includes tax from recomputing prior year investment credit; 1970 includes tax surcharge; 1970-1975, includes additional tax for tax preferences; beginning 1973, includes tax from recomputing prior-year work incentive (WIN) credit; and beginning 1976 includes tax credit for outlying areas.

NO. 443. CORPORATION INCOME TAX RETURNS—SELECTED ITEMS, BY ASSET-SIZE CLASS.
1970 TO 1979

[See headnote, table 442. See also *Historical Statistics, Colonial Times to 1970*, series V 106, 129, 136, 137, and 182-196.]

ASSET SIZE CLASS	Number of returns ¹ (1,000)	Total receipts (bil. dol.)	Income subject to tax (bil. dol.)	TAX ² (bil. dol.)		PERCENT DISTRIBUTION		
				Before credits	After credits	Num- ber of returns	Receipts	Tax after credits
1970: Total	1,665	1,780.7	72.4	33.3	27.9	100.0	100.0	100.0
Under \$500,000 ³	1,467	321.6	7.7	2.4	2.3	88.1	18.4	6.2
\$500,000-\$999,999	93	117.6	3.0	1.2	1.2	5.6	6.7	4.3
\$1,000,000-\$4,999,999	74	214.2	7.0	3.2	3.1	4.4	12.2	11.1
\$5,000,000-\$9,999,999	13	77.6	2.9	1.4	1.4	.8	4.4	5.0
\$10,000,000-\$49,999,999	14	158.6	6.7	3.2	3.0	.8	9.1	10.8
\$50,000,000-\$99,999,999	2	73.4	3.1	1.5	1.4	1	4.2	5.0
\$100,000,000 and over	3	787.2	42.0	20.5	15.4	.2	45.0	55.2
1975: Total	2,024	3,196.8	146.8	68.1	39.7	100.0	100.0	100.0
Under \$500,000 ³	1,760	434.1	10.1	2.6	2.3	87.0	13.6	5.8
\$500,000-\$999,999	123	161.9	4.7	1.6	1.5	6.1	5.7	3.8
\$1,000,000-\$4,999,999	101	364.7	12.0	5.1	4.7	5.0	12.0	11.8
\$5,000,000-\$9,999,999	15	131.8	5.1	2.3	2.2	.7	4.1	5.6
\$10,000,000-\$49,999,999	16	261.9	11.8	5.5	5.0	.9	8.6	12.6
\$50,000,000-\$99,999,999	3	140.5	5.4	2.6	2.2	1	4.4	5.8
\$100,000,000 and over	4	1,643.6	97.3	46.4	21.6	.2	51.4	54.2
1976: Total	2,377	4,714.8	236.8	107.9	64.4	100.0	100.0	100.0
Under \$500,000 ³	2,022	575.2	15.7	4.1	2.6	85.1	12.2	3.9
\$500,000-\$999,999	161	253.2	7.2	2.4	1.7	6.8	5.4	2.6
\$1,000,000-\$4,999,999	143	606.4	18.8	7.9	6.1	6.0	12.9	9.5
\$5,000,000-\$9,999,999	20	225.4	6.3	3.6	3.1	.8	4.8	4.8
\$10,000,000-\$49,999,999	22	397.4	18.1	8.3	6.8	.9	8.4	10.6
\$50,000,000-\$99,999,999	4	185.3	8.4	4.0	3.3	.2	3.9	5.1
\$100,000,000 and over	5	2,471.6	163.2	77.4	41.0	.2	52.4	63.7
1979: Total	2,567	5,566.7	276.4	120.0	64.8	100.0	100.0	100.0
Under \$500,000 ³	2,164	601.8	17.1	4.0	2.8	84.8	11.8	4.2
\$500,000-\$999,999	176	262.0	7.8	2.3	1.6	7.0	5.0	2.7
\$1,000,000-\$4,999,999	160	701.5	20.9	6.1	6.7	6.3	12.5	10.2
\$5,000,000-\$9,999,999	21	244.9	6.5	3.6	3.1	.8	4.4	4.7
\$10,000,000-\$49,999,999	22	455.1	19.2	8.5	7.1	.9	8.1	10.8
\$50,000,000-\$99,999,999	4	211.2	9.0	4.0	3.4	.2	3.8	5.2
\$100,000,000 and over	6	3,042.2	196.8	69.3	41.0	.2	54.3	62.2

¹ Active corporations. ² Before (after) deduction of foreign tax credit, investment credit; beginning 1975, work incentive (WIN) credit. Includes tax from recomputing prior-year investment credit and, beginning 1970, additional tax for tax preferences. Beginning 1975, includes tax from recomputing prior year work incentive (WIN) credit. ³ Includes corporations with zero assets. ⁴ Excludes tax preference items upon which additional tax for tax preferences is based.

Source of tables 442 and 443. U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Returns*, annual.

NO. 444. PUBLIC DEBT OF THE FEDERAL GOVERNMENT: 1940 TO 1981

[Through 1976, as of June 30 except as noted; beginning 1977, as of Sept. 30. Total public debt is restricted to borrowing by the Treasury and the value of savings bonds at current redemption value. See table 414 for "gross Federal debt." For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series Y 451, 453, and 454.]

YEAR	GROSS DEBT			INTEREST PAID		YEAR	GROSS DEBT			INTEREST PAID	
	Total ¹ (bil. dol.)	Average annual percent change ²	Per capita ³ (dol.)	Total (bil. dol.)	Percent of Federal outlays ⁴		Total ¹ (bil. dol.)	Average annual percent change ²	Per capita ³ (dol.)	Total (bil. dol.)	Percent of Federal outlays ⁴
1940.....	43.0	8.4	325	1.0	11.5	1974.....	474.2	3.7	2,236	29.3	10.9
1945.....	256.7	43.0	1,849	3.6	3.7	1975.....	533.2	12.4	2,496	32.7	10.1
1950.....	258.1	- 1	1,898	5.7	14.5	1976.....	620.4	16.4	2,884	37.1	10.1
1955.....	272.8	1.3	1,951	6.4	9.3	1977.....	634.7	(x)	2,951	8.1	8.6
1960.....	284.1	.9	1,872	9.2	10.0	1977.....	696.8	10.1	3,216	41.9	10.4
1965.....	313.8	2.0	1,919	11.3	9.5	1978.....	771.5	10.4	3,522	46.7	10.6
1970.....	370.1	3.3	1,907	19.3	9.8	1979.....	826.5	7.1	3,740	59.6	12.1
1971.....	397.3	7.4	1,919	21.0	9.9	1980.....	907.7	9.9	4,083	74.9	12.9
1972.....	428.4	7.3	2,042	21.8	9.4	1981.....	997.9	9.0	4,346	98.0	14.4
1973.....	457.3	7.2	2,174	24.2	9.8						

X Not applicable. ¹Adjusted to exclude nonmarketable issues to the International Monetary Fund and other international institutions for 1950, 1955, 1960, 1965, and 1970-1974. ²From preceding year shown; for 1940, change from 1935. ³Based on estimated July 1 population; prior to 1960, excludes Alaska and Hawaii. ⁴Calculated on total expenditures not reduced by interfund transactions representing interest and certain other payments to Treasury through 1950. Beginning 1955, outlays, net of applicable receipts. ⁵As of Sept. 30.

Source: U.S. Dept. of the Treasury, *Statistical Appendix to the Annual Report of the Secretary of the Treasury on the State of the Finances through fiscal 1980*; thereafter, *Monthly Statement of the Public Debt of the United States*, and *Final Monthly Treasury Statement of Receipts and Outlays of the U.S. Government*.

NO. 445. DISTRIBUTION OF FEDERAL SECURITIES BY CLASS OF INVESTOR AND TYPE OF ISSUE:
1970 TO 1981

[In billions of dollars. As of June 30, except beginning 1977, as of September 30. The Export-Import Bank was moved within the budget effective October 1, 1976. Adjustments are made to include totals for the period it was outside the budget (1970-76). Also adjustments are made to reflect certain Export-Import Bank borrowing now classified as agency debt. These transactions were previously reported as off-budget negative outlays.]

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Federal securities outstanding, total.....	363	437	466	466	544	631	706	780	834	914	1,004	
Interest-bearing public debt securities outstanding.....	360	425	456	473	532	619	696	767	819	906	996	
Held by U.S. Government accounts.....	95	111	123	138	145	150	155	166	186	196	208	
Held by Federal Reserve banks (public issues).....	58	71	75	80	85	94	105	115	115	121	124	
Held by private investors.....	216	243	256	255	302	376	437	484	518	589	664	

¹Includes a nonmarketable Federal Reserve special certificate for \$2,500.

Source: U.S. Department of the Treasury, *Treasury Bulletin*, monthly.

NO. 446. FEDERAL GOVERNMENT INTEREST-BEARING PUBLIC DEBT: 1960 TO 1981

[In billions of dollars. As of June 30 except, beginning 1977, as of Sept. 30. See also *Historical Statistics, Colonial Times to 1970*, series Y 487 and Y 500-504.]

DEBT INSTRUMENT	1960	1965	1970	1975	1977	1978	1979	1980	1981	PERCENT OF TOTAL			
										1975	1978	1980	1981
Total.....	283.2	313.1	368.0	533.1	687.8	767.0	818.0	908.4	996.5	100.0	100.0	100.0	100.0
Computed interest rate.....	3.30	3.86	5.55	6.35	6.42	7.13	8.06	9.03	11.5	(x)	(x)	(x)	(x)
Marketable ¹	183.8	208.7	232.6	315.6	443.5	485.2	506.7	594.5	683.2	59.3	61.9	65.8	68.6
Bills.....	33.4	59.7	78.2	128.6	156.1	160.9	161.4	199.8	223.4	24.2	19.7	22.0	22.4
Notes.....	51.5	52.5	60.5	150.2	241.7	267.9	274.2	310.9	363.6	26.2	33.5	34.3	36.5
Treasury bonds ²	81.2	102.5	83.0	36.8	46.7	56.4	71.1	83.6	96.2	6.9	6.7	9.2	9.6
Nonmarketable.....	99.4	104.5	136.4	216.5	254.1	281.8	312.3	311.9	313.3	40.7	38.1	34.4	31.4
U.S. savings bonds.....	47.5	50.0	51.3	65.4	75.4	79.8	80.4	72.7	68.0	12.3	9.8	8.0	6.8
Treasury bonds, other ³	7.0	5.8	8.8	26.9	36.6	48.7	55.5	46.3	44.3	5.1	6.8	5.4	4.4
Govt. account series ⁴	44.9	48.7	76.3	124.2	140.1	153.3	176.4	189.8	201.1	23.3	21.5	20.9	20.2
Marketable debt, by maturity:													
Within 1 year.....	70.5	87.6	106.5	163.9	217.9	226.4	246.7	278.5	319.0	30.8	30.1	30.5	32.0
1-5 years.....	72.8	56.2	89.6	101.9	148.4	186.5	157.3	195.8	218.3	19.2	19.2	21.6	21.9
5-10 years.....	20.2	39.2	15.9	26.8	45.9	49.3	45.5	53.4	61.7	5.0	5.8	5.9	6.2
10-20 years.....	12.6	8.5	10.5	14.5	13.0	15.6	26.2	35.5	41.4	2.7	3.2	3.9	4.1
20 years and over.....	7.7	17.2	11.0	8.4	18.3	25.4	30.9	33.3	42.9	1.6	3.8	3.7	4.3
Average length, yr.-mo.....	4-4	5-4	3-8	3-0	3-2	3-6	3-7	3-9	4-0	(x)	(x)	(x)	(x)

X Not applicable. ¹For 1980, includes postal savings, certificates, and Panama Canal bonds, not shown separately.

²Bank-eligible bonds. ³Comprises Treasury bonds, investment series (all years); Treasury bonds (various); certificates of indebtedness (various); certificates and notes; depositary bonds; U.S. retirement plan bonds, beginning 1965; and U.S. savings notes, beginning 1970. ⁴Prior to July 1975, known as U.S. Treasury special issues.

Source: U.S. Dept. of the Treasury, *Daily Statement of the U.S. Treasury and Monthly Statement of the Public Debt of the United States*, in *Statistical Appendix to the Annual Report of the Secretary of the Treasury on the State of the Finances through 1980*, and in *Treasury Bulletin*, monthly.

No. 447. INTEREST-BEARING GOVERNMENT SECURITIES OUTSTANDING:

1960 TO 1981

(In billions of dollars, except percent. As of June 30 except, beginning 1977, as of Sept. 30. Par values, except U.S. savings bonds series, E, F, J, and U.S. savings notes, which are included at current redemption values. Data for 1960 not strictly comparable with later years.)

TYPE OF SECURITY	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	368	420	521	651	686	758	864	1,059	1,131	1,242	1,357	
Tax exempt ¹	48	97	139	183	201	213	234	258	283	305	329	356
Percent of total	13.0	23.1	26.7	28.1	29.3	28.2	27.1	26.7	26.7	27.0	26.5	26.2
Taxable ²	245	274	306	366	370	419	490	568	623	650	723	801
Government account series ³	45	49	76	102	115	124	131	140	153	178	180	201
By issuer												
U.S. Treasury	263	313	366	456	473	532	619	698	767	819	806	898
Government agencies ⁴	8	9	13	11	12	11	11	10	9	7	7	8
State and local govt. ⁵	68	97	139	183	201	213	234	258	283	305	329	356

¹Source: Board of Governors, Federal Reserve System, unpublished data. ²Interest is subject to both normal and surtax rates of Federal income tax. ³Prior to July 1, 1974, known as U.S. Treasury special issues. ⁴Excludes securities issued by Federal home loan banks and Federal land banks. Beginning 1970, also excludes securities issued by Federal National Mortgage Association, Federal intermediate credit banks, and banks for cooperatives. ⁵Wholly tax-exempt. Includes industrial pollution control bonds.

Source: Except as noted, U.S. Dept. of the Treasury, *Treasury Bulletin*, monthly, and *Statistical Appendix to the Annual Report of the Secretary of the Treasury on the State of the Finances*.

No. 448. ESTIMATED OWNERSHIP OF PUBLIC DEBT SECURITIES BY PRIVATE INVESTORS:

1960 TO 1981

(Par values in billions of dollars. As of June, except beginning 1977, as of September)

OWNERSHIP	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Total privately held	304.5	213.6	317.2	303.3	378.4	438.8	496.3	534.0	589.2	686.4
Commercial banks ¹	55.3	58.2	52.6	69.0	92.5	101.0	95.3	92.3	109.7	112.2
Nonbank investors	149.2	155.4	164.7	234.1	283.8	337.8	382.0	431.7	479.5	583.2
Individuals ²	66.7	70.7	81.6	88.8	95.2	103.9	109.4	113.2	123.0	140.3
Insurance companies	12.0	10.7	7.2	7.1	10.6	14.5	15.1	14.8	19.2	20.7
Mutual savings banks	8.6	5.6	3.2	3.5	5.4	8.1	5.2	4.7	5.1	5.8
Corporations ³	19.5	15.3	8.5	13.8	24.7	23.9	21.3	23.7	25.9	37.8
State and local governments	16.8	24.1	29.0	31.7	39.3	53.5	66.0	68.9	77.0	86.2
Foreign and international ⁴	10.1	12.2	14.0	66.0	69.8	95.5	121.0	125.2	126.4	135.5
Other investors ⁵	12.5	16.6	21.0	25.2	37.8	40.7	51.1	61.3	102.9	127.2
Percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Commercial banks ¹	27.0	27.2	24.2	22.8	24.6	23.0	19.7	17.6	18.6	16.9
Nonbank investors	73.0	72.8	75.8	77.2	75.4	77.0	80.3	82.4	81.4	83.1
Individuals ²	34.1	33.1	37.7	28.8	25.6	23.7	22.4	21.6	20.9	21.1
Insurance companies	5.9	5.0	3.3	2.3	2.8	3.3	3.1	2.8	3.3	3.1
Mutual savings banks	2.2	2.6	1.5	1.2	1.4	1.4	1.1	1.0	.9	.8
Corporations ³	6.5	7.2	3.0	4.6	6.6	5.4	4.4	4.5	4.4	5.7
State and local governments	9.2	11.9	13.4	10.5	10.4	12.2	14.1	13.1	13.1	12.9
Foreign and international ⁴	4.9	5.7	6.4	21.8	18.5	21.8	24.8	23.9	21.4	20.4
Other investors ⁵	6.1	7.9	9.7	8.3	10.0	9.8	10.5	15.5	17.5	19.1

¹Consists of commercial banks, trust companies, and stock savings banks in the United States and in territories and island possessions. Figures exclude securities held in trust departments. ²Includes partnerships and personal trust accounts.

³Exclusive of banks and insurance companies. ⁴Consists of the investment of foreign balances and international accounts in the United States. Holdings have been adjusted to exclude issues to the International Monetary Fund and other international lending organizations to reflect the unified budget concept. ⁵Consists of savings and loan associations, nonprofit institutions, corporate pension trust funds and dealers and brokers. Also included are certain government deposit accounts, government-sponsored agencies, and all other investors not included above.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, monthly.

No. 449. U.S. SAVINGS BONDS: 1960 TO 1981

(In billions of dollars, except percent. See *Historical Statistics, Colonial Times to 1970*, series Y 500, for similar but not exactly comparable data.)

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Amounts outstanding ¹	47.2	80.3	51.8	83.3	67.5	71.9	76.6	80.5	80.0	72.7	68.0
Funds from sales	4.4	4.5	4.7	6.9	7.0	7.6	8.0	8.0	7.0	4.8	3.4
Accrued discounts	1.2	1.5	1.0	3.0	3.4	3.6	3.8	4.2	4.3	4.2	4.2
Redemptions ²	6.7	5.4	6.3	6.8	6.3	6.8	7.1	6.2	12.3	16.7	18.3
Percent of total outstanding	14.2	10.7	12.2	10.7	9.3	9.5	9.3	10.2	15.4	23.1	18.1

¹Interest-bearing debt only for amounts end of period or end of year.

²Matured and unmatured bonds.

Source: U.S. Dept. of the Treasury. Monthly data published currently in *Treasury Bulletin*.

No. 450. FEDERAL CIVILIAN EMPLOYMENT AND ANNUAL PAYROLLS, BY BRANCH: 1955 TO 1981

[Includes employees in U.S. territories (Commonwealth, Trust Territory, Condominium, outlying areas, and Disputed Island) and in foreign countries. Figures represent employees in active-duty status, including intermittent employees. Annual figures are for fiscal year and are averages of monthly (as of last day) figures. Excludes Central Intelligence Agency and National Security Agency. See *Historical Statistics, Colonial Times to 1970*, series Y 308-317, for data as of June 30]

BRANCH OF GOVERNMENT	UNIT	1955	1960	1965	1970	1975	1976	1979	1980	1981
Employment, total ¹	1,000	2,402	² 2,438	2,538	² 2,538	2,882	2,875	2,887	² 2,887	2,910
Percent of U.S. employed ³	Percent	3.9	3.7	3.6	3.7	3.4	3.0	2.9	3.0	2.9
Executive ¹	1,000	2,376	² 2,403	2,507	² 2,591	2,834	2,822	2,844	² 2,933	2,855
Rate per 1,000 population ⁴	Rate	14.3	13.1	12.6	14.2	13.2	12.7	12.7	12.9	12.5
Legislative	1,000	22	23	25	30	37	40	40	40	40
Judicial	1,000	4	5	6	7	10	13	13	14	15
Payrolls, total ¹	ML dol	10,296	² 13,343	18,020	² 28,882	40,888	48,921	63,886	² 66,812	63,792
Percent of total Fed. outlays	Percent	15.0	14.4	15.2	14.6	12.6	11.1	10.9	10.1	9.7
Executive ¹	ML dol	10,146	² 13,052	17,746	² 28,117	39,844	48,888	52,513	² 58,841	62,510
Legislative	ML dol	122	154	216	353	589	771	817	883	922
Judicial	ML dol	28	36	58	92	155	211	280	288	360

¹ Includes Postal Service Christmas help. ² Includes 38,417 temporary census workers in 1960; 33,000 in 1970; and 4,975 for 1980. ³ Civilian only. See table 625. ⁴ Resident population as of July 1

No. 451. FEDERAL CIVILIAN EMPLOYMENT—SUMMARY: 1960 TO 1981

[In thousands. Partially estimated. As of Dec. 31. Excludes U.S. Territories and foreign countries, Central Intelligence Agency, Christmas help of the U.S. Postal Service, and National Security Agency]

CHARACTERISTIC OF EMPLOYMENT	UNITED STATES								WASHINGTON, D.C., SWSA ¹				
	1960	1965	1970	1975	1978	1979	1980	1981	1965	1975	1978	1980	1981
Paid employment	2,213	2,403	2,645	2,741	2,752	2,763	2,772	2,722	275	318	348	388	251
Male	1,068	1,813	1,891	1,896	1,848	1,826	1,790	1,649	165	180	205	202	184
Female	545	590	714	845	904	937	982	1,073	110	136	143	184	157
Full-time	2,084	2,257	2,516	2,498	2,479	2,489	2,504	2,473	288	308	333	342	331
Other	129	136	129	245	273	274	268	249	7	8	15	24	20
Competitive service ²	2,041	2,201	2,383	1,714	1,748	1,695	1,692	1,662	231	282	257	268	247
Career	1,876	1,788	1,991	1,300	1,380	1,344	(NA)	(NA)	173	198	191	(NA)	(NA)
Career-conditional	251	298	290	354	303	293	(NA)	(NA)	49	53	55	(NA)	(NA)
Temporary ³	114	115	112	60	55	58	70	80	9	11	11	11	7
Excepted service ^{2,4}	172	202	252	1,027	1,005	1,068	1,080	1,060	44	54	91	107	103
Permanent	100	112	164	863	852	897	917	926	32	38	71	70	72
Other	72	90	88	184	153	171	183	134	12	16	20	37	31
White-collar	1,839	1,860	2,113	2,256	2,284	2,300	2,314	2,289	237	278	314	334	321
Blue-collar	574	553	532	486	468	463	458	453	36	38	35	32	30

NA Not available. ¹ See footnote 3, table 453. ² In 1971, under Postal Reorganization Act of 1970, U.S. Postal Service employees were changed from competitive service to excepted service. ³ Includes "indefinite." ⁴ Excepted from competitive requirements of Civil Service Act.

No. 452. ACCESSIONS TO AND SEPARATIONS FROM PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT: 1970 TO 1982

[In thousands, except rate. For years ending June 30 through 1978; thereafter as of Sept. 30. Includes accessions and separations of part-time and intermittent employees]

ITEM	UNITED STATES							WASHINGTON, D.C., SWSA ¹		
	1970	1975	1979	1978	1980	1981	1982, Jan.- Mar.	1980	1981	1982, Jan.- Mar.
Accessions, total	500.7	601.2	651.3	663.9	690.0	547.3	93.2	94.1	55.3	7.8
Monthly rate ²	1.7	1.9	2.0	1.9	2.9	1.7	1.2	2.3	1.4	.8
Separations, total	641.1	588.9	632.4	665.0	685.3	578.1	107.8	80.9	67.4	12.6
Monthly rate ²	2.0	1.8	1.9	4.3	2.8	1.8	1.3	2.2	1.7	1.3
Cut ³	311.5	213.2	223.2	243.3	219.4	214.4	34.1	31.5	28.8	4.1
Reduction in force ⁴	17.5	10.4	50.0	50.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Discharge ^{4,5}	19.7	17.2	19.2	19.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other ^{4,5}	282.3	348.1	340.1	342.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹ See footnote 3, table 453. ² Per 100 employees. ³ Represents resignation, transfer to another Federal agency, and abandonment of position. ⁴ Partially estimated. ⁵ Represents separation required by an agency for disqualification or inefficiency, and removal for misconduct, delinquency, or other serious cause. ⁶ Represents termination of appointment, and separation for extended leave without pay, military leave, retirement, death, legal incompetency, and disability not entitled to retirement and displacement.

Source of tables 450-452: U.S. Office of Personnel Management, *Annual Report; Monthly Release of Federal Civilian Work Force Statistics*; and unpublished data.

**NO. 453. PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT—STATES AND OTHER AREAS.
1960 TO 1960**

[As of December 31. Excludes members and employees of Congress, Central Intelligence Agency, temporary Christmas help of the U.S. Postal Service, and National Security Agency]

STATE OR OTHER AREA	TOTAL EMPLOYMENT ¹ (1,000)						PERCENT OF U.S.			EMPLOYMENT IN SELECTED AGENCIES, 1960 ¹ (1,000)			
	1960	1965	1970	1975	1980	1985	1970	1975	1980	Dept. of Defense	Postal Service	Veterans Admin	Dept. of HHS ²
Total	2,373	2,576	2,875	2,970	2,880	2,883	(x)	(x)	(x)	973.1	667.3	237.7	162.5
U.S.	2,213	2,403	2,665	2,738	2,726	2,759	100.0	100.0	100.0	888.4	665.9	235.5	161.6
D.C. area ³	236	275	318	335	342	346	11.9	12.2	12.5	78.4	18.1	6.6	36.5
50 States ⁴	1,977	2,128	2,348	2,403	2,384	2,413	88.1	87.8	87.5	810.0	647.8	228.9	125.1
Ala.	60.9	59.5	54.3	58.5	60.2	61.3	2.0	2.1	2.2	24.9	7.5	4.6	3.5
Alaska	12.6	13.5	14.5	15.1	15.6	16.5	.8	.8	.8	4.4	1.4	.1	1.7
Ariz.	19.8	22.7	27.5	33.8	35.4	36.1	1.1	1.2	1.3	9.7	6.5	3.1	3.2
Ark.	13.1	15.1	16.6	19.7	18.5	19.8	.8	.7	.7	4.7	5.0	3.5	1.8
Calif.	239.5	265.1	303.5	297.8	292.9	296.2	11.4	10.9	10.8	126.5	73.9	23.7	11.9
Colo.	33.9	37.7	42.3	46.7	49.0	50.3	1.6	1.8	1.8	13.3	9.3	2.8	1.5
Conn.	14.8	16.4	20.4	21.0	19.9	20.1	.9	.8	.7	4.5	9.7	2.6	.5
Del.	3.4	3.7	4.7	5.2	4.8	4.8	.2	.2	.2	1.8	1.5	.8	.1
Fla.	48.0	57.2	69.3	78.4	80.2	82.7	2.6	2.9	3.0	29.2	24.5	9.4	2.5
Ga.	55.5	64.9	73.8	75.0	76.8	77.0	2.8	2.7	2.8	33.8	13.2	5.2	5.2
Hawaii	22.1	23.5	26.3	25.3	25.0	24.8	1.0	.9	.9	19.3	2.1	.2	.2
Idaho	6.2	7.4	8.2	9.8	10.8	11.2	.3	.4	.4	1.1	2.1	.6	.2
Ill.	98.9	104.3	110.7	106.8	102.0	102.2	4.2	3.9	3.7	20.8	41.4	12.0	6.6
Ind.	31.7	35.1	44.4	40.8	40.9	41.7	1.7	1.5	1.5	13.2	14.1	3.9	1.0
Iowa	15.8	16.7	18.1	19.2	19.0	18.9	.7	.7	.7	1.4	9.3	3.1	.5
Kans.	21.1	19.7	22.3	23.1	22.9	22.8	.8	.8	.8	6.0	7.4	3.2	.4
Ky.	27.6	29.5	34.7	35.9	34.0	34.5	1.3	1.3	1.3	12.4	7.7	3.4	.9
La.	22.9	25.2	27.6	30.6	32.2	33.3	1.1	1.1	1.2	8.2	9.1	3.9	2.3
Maine	17.3	15.1	15.1	12.1	9.0	9.0	.8	.4	.3	2.2	3.5	1.3	.3
Md.⁴	45.3	51.8	62.0	64.7	62.1	62.4	2.3	2.4	2.3	21.8	6.0	3.0	23.0
Mass.	62.2	60.9	63.5	58.4	56.4	57.0	2.4	2.1	2.1	11.9	21.3	7.9	2.8
Mich.	42.4	47.3	53.4	54.6	54.0	54.1	2.0	2.0	2.0	11.8	23.3	6.3	2.1
Minn.	24.6	26.9	29.3	30.3	30.0	30.3	1.1	1.1	1.1	3.0	13.6	4.9	.9
Miss.	15.7	17.6	20.3	24.1	27.8	28.2	.8	.9	1.0	11.0	4.7	2.9	.7
Mo.	50.0	56.2	65.0	68.4	64.9	66.1	2.4	2.4	2.4	19.4	17.4	6.1	4.6
Mont.	9.4	9.8	10.3	12.2	12.4	12.8	.4	.4	.5	1.3	2.2	.7	.9
Nebr.	15.4	14.9	15.1	16.1	15.4	15.4	.6	.6	.6	3.7	5.2	2.1	.3
NeV.	5.8	7.4	8.1	8.8	9.4	9.5	.3	.3	.3	2.3	2.1	.8	.3
N.H.	3.6	4.4	5.5	10.2	14.7	15.0	.2	.4	.6	9.9	2.6	.8	.1
N.J.	53.8	58.3	65.9	71.0	68.7	69.7	2.5	2.6	2.5	26.9	27.3	4.7	1.8
N. Mex.	22.8	24.3	25.1	28.9	26.8	27.6	.9	1.0	1.0	9.3	2.7	1.6	2.9
N.Y.	179.8	173.1	177.8	172.3	157.8	156.3	6.7	6.3	6.7	19.4	72.2	21.1	10.5
N.C.	28.5	31.4	37.3	42.3	41.6	41.9	1.4	1.5	1.5	13.4	12.0	4.9	2.2
N. Dak.	5.9	6.9	9.1	9.1	8.3	8.7	.3	.3	.3	1.8	2.3	.6	.4
Ohio	66.8	93.5	96.9	93.6	88.4	88.4	3.6	3.4	3.2	31.7	30.1	9.0	3.0
Ola.	42.1	46.9	52.8	47.7	45.5	45.7	2.0	1.7	1.7	23.3	7.8	2.5	2.2
Oreg.	20.0	22.0	24.1	25.6	27.8	28.8	.9	.9	1.0	3.3	6.7	2.6	.7
Pa.	129.1	139.3	137.7	132.3	126.4	126.4	5.2	4.8	4.7	61.5	36.4	11.6	7.4
R.I.	12.3	13.2	14.8	10.1	9.0	9.1	.8	.4	.3	4.1	2.7	1.2	.2
S.C.	22.5	25.8	29.3	30.7	31.3	31.6	1.1	1.1	1.1	18.7	5.6	2.9	.7
S. Dak.	9.0	9.1	9.3	10.8	9.8	10.2	.3	.4	.4	1.3	2.2	1.9	.9
Tenn.	34.1	40.7	44.8	55.4	59.9	71.8	1.7	2.0	2.6	7.8	12.0	6.4	1.2
Tex.	112.6	126.7	144.7	149.8	148.3	149.2	5.4	5.5	5.4	67.8	34.6	14.3	4.4
Utah	26.4	32.6	38.3	35.3	34.5	34.8	1.4	1.3	1.3	20.9	3.1	1.5	.2
Vt.	3.1	3.2	3.7	4.4	4.3	4.4	.2	.2	.2	.5	1.7	.9	.1
Va.⁴	68.9	70.7	74.0	78.0	79.9	79.2	2.8	2.9	2.9	52.5	9.8	5.3	1.2
Wash.	45.6	46.3	52.6	57.8	60.8	63.0	2.0	2.1	2.3	26.5	11.3	4.2	2.8
W. Va.	10.5	11.6	13.3	15.8	15.8	15.9	.5	.8	.6	1.8	4.6	2.9	.7
Wis.	20.4	22.3	25.5	26.8	26.4	27.2	1.0	1.0	1.0	3.0	12.1	6.3	1.2
Wyo.	4.7	5.0	5.2	6.1	6.5	6.6	.2	.2	.3	.9	1.2	.9	.1
Outside U.S.	159.7	167.1	209.9	131.6	124.4	124.3	(0)	(x)	(0)	64.7	1.4	2.2	.9
Territories	32.2	39.8	36.9	33.0	14.4	14.0	(0)	(x)	(x)	8.4	1.4	2.2	.9
Foreign	127.5	133.3	173.0	98.6	110.2	110.3	(x)	(x)	(x)	76.3	-	(z)	(z)

- Represents zero X Not applicable Z Less than 50 ¹Partially estimated. ²Health and Human Services.

³Washington, D.C. Standard Metropolitan Statistical Area includes District of Columbia, Alexandria and Falls Church cities, Arlington and Fairfax Counties, Va., and Montgomery and Prince Georges Counties, Md., beginning 1965, Fairfax City, Va., beginning July 1967, Loudoun and Prince William Counties, Va., beginning July 1973, Charles County, Md., and beginning July 1975, Manassas and Manassas Park, Va. These areas are excluded from data for the 50 States.

Source: U.S. Office of Personnel Management, *Federal Civilian Employment in the United States by Geographic Area*, annual.

**NO. 454. PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT, BY AGENCY, ALL AREAS:
1965 TO 1982**

[As of June 30 through 1975; thereafter, as of Sept. 30, except as noted. See headnote, table 450. See also *Historical Statistics, Colonial Times to 1970*, series Y 308-317]

AGENCY	1965	1976	1975	1978	1980	1981	1982 ¹
All agencies	*2,537,483	2,921,908	2,886,344	2,875,872	2,875,986	2,865,382	2,855,506
Percent Dept. of Defense	40.9	40.9	38.0	33.4	33.4	34.4	35.7
Percent Postal Service	23.6	24.9	24.1	23.0	23.0	23.2	23.2
Legislative branch	25,947	30,715	28,531	30,727	30,710	28,518	30,880
Congress	9,296	11,815	17,317	*18,900	*19,086	*18,980	*19,469
United States Senate	3,474	4,362	5,144	7,148	7,195	7,147	7,052
U.S. House of Representatives	5,822	7,453	11,173	11,758	11,888	11,823	12,401
Architect of the Capitol	1,519	1,831	2,061	2,331	2,168	2,037	2,046
General Accounting Office	4,274	4,631	5,513	5,310	5,488	5,279	5,287
Government Printing Office	7,418	8,557	8,549	7,089	8,787	8,408	8,216
Library of Congress	3,386	3,848	4,849	5,430	5,527	5,240	5,183
All other	55	233	442	857	884	872	885
Judicial branch	5,804	8,887	10,388	13,489	18,178	15,881	16,880
United States Courts	(NA)	5,884	10,122	13,187	14,847	15,311	
Supreme Court	(NA)	223	277	308	331	340	332
Executive branch	2,486,641	2,884,907	2,848,014	2,822,852	2,820,978	2,806,125	2,808,846
Executive Office of the President	2,849	4,742	1,818	1,818	1,885	1,563	1,613
White House Office	333	311	825	408	408	384	381
Office of Management and Budget	524	633	673	618	616	577	658
Council of Economic Advisors	48	59	40	23	35	34	38
Council on Environmental Quality ²	(0)	32	69	48	49	18	12
National Security Council	38	75	89	74	89	67	83
All other	1,956	3,632	422	848	711	496	483
Executive departments:							
Agriculture	113,017	116,012	120,988	127,808	128,139	128,585	114,361
Commerce	33,688	*57,674	36,228	54,101	*48,563	39,689	34,302
Defense	1,033,775	1,193,784	1,041,829	980,286	880,116	984,183	1,018,086
Department of the Army	368,726	443,389	378,937	348,894	348,534	354,380	365,301
Department of the Navy	333,271	376,340	319,719	303,472	302,486	315,290	329,375
Department of the Air Force	291,500	306,323	268,486	234,249	233,132	235,014	241,977
Other Defense Activities	42,278	67,762	74,707	75,871	75,952	79,519	81,445
Education ³	(x)	(x)	(x)	(x)	7,384	6,488	5,783
Energy ⁴	(x)	(x)	(x)	20,540	21,557	19,567	18,641
Health and Human Services ⁵	87,318	108,044	147,125	160,852	155,662	155,866	147,830
Housing and Urban Development ⁶	13,777	15,190	17,161	17,451	18,984	15,617	14,921
Interior	70,711	73,381	80,198	77,647	77,357	75,899	73,825
Justice	33,222	39,257	51,541	55,265	58,327	55,173	54,722
Labor	9,527	10,961	14,834	22,859	23,400	21,243	18,975
State	39,552	39,753	30,376	29,782	23,487	23,775	23,795
Agency for Int'l. Development	15,098	14,974	6,591	6,188	(*)	(*)	(*)
Transportation	*45,421	65,985	75,036	73,546	72,381	59,456	60,948
Treasury	68,761	92,521	121,546	124,883	124,863	122,002	126,421
Independent agencies:							
ACTION	1,104	1,317	1,864		1,837	1,845	641
American Battle Monuments Commission	439	404	399	379	386	377	383
Arms Control and Disarmament Agency	175	177	190	228	221	187	183
AEC/ERDA ^{7,19}	7,329	7,347	8,262	(x)	(x)	(x)	(x)
Board of Governors, Federal Reserve System	867	1,016	1,480	1,458	1,498	1,481	1,488
Canal Zone Government ¹¹	3,028	3,318	3,299	2,924	(x)	(x)	(x)
Civil Aeronautics Board	846	882	728	748	734	848	588
Commission on Civil Rights	109	153	275	304	304	279	262
Community Services Administration ¹⁴	(x)	(x)	1,112	1,077	1,067	1,047	(x)
Consumer Product Safety Comm. ¹⁵	(x)	(x)	969	928	921	820	838
Environmental Protection Agency	(x)	(0)	10,772	13,543	14,715	12,754	12,403
Equal Empl. Opportunity Commission	19	860	2,183	3,830	3,515	3,413	3,245
Export-Import Bank U.S.	308	358		308	365	366	351
Farm Credit Administration	235	235	223	267	271	262	288
Federal Communications Commission	1,541	1,837	2,137	2,248	2,244	2,089	2,007
Federal Deposit Insurance Corporation	1,544	2,478	3,103	3,512	3,520	3,357	3,261
Federal Emergency Mgmt. Agency	(x)	(0)	(x)	2,392	3,427	2,367	2,285
Federal Energy Administration ¹⁶	(x)	(0)	3,245	(x)	(x)	(x)	(x)
Federal Home Loan Bank Board	1,300	1,273	1,452	1,490	1,470	1,536	1,572
Federal Labor Relations Authority	(0)	(0)	(0)		349	394	298
Federal Maritime Commission	251	239	314		325	300	296
Federal Mediation and Conciliation Service	422	450	523	521	503	479	378
Federal Power Commission ¹⁷	1,183	1,132	1,322	(x)	(x)	(x)	(x)
Federal Trade Commission	1,157	1,330	1,681	1,880	1,846	1,888	1,828
General Services Administration	36,524	37,845	39,561	37,758	37,664	34,237	31,484
Int'l. Communications Agency ¹¹	11,628	10,262	8,809	8,245	8,138	7,849	7,795
International Trade Commission ¹⁸	298	242	427	372	424	434	435
Interstate Commerce Commission	2,427	1,755	2,115		1,886	1,712	1,577
Merit System Protection Board	(x)	(x)	(x)	318	436	475	475
National Aeronautics and Space Administration	34,048	32,548	28,447	23,814	23,714	23,039	22,881

See footnotes at end of table.

**NO. 454. PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT, BY AGENCY, ALL AREAS:
1965 TO 1982—Continued**

[See headnote, page 266]

AGENCY	1965	1979	1975	1978	1980	1981	1982 ¹
Independent agencies—Con.							
National Credit Union Administration ¹⁹	(x)	419	570	650	726	707	704
National Endowment for the Arts ²⁰	(x)	103	557	300	362	305	292
National Endowment for the Humanities ²⁰	(x)	103	557	280	293	268	259
National Labor Relations Board.....	2,252	2,144	2,485	3,029	2,936	2,935	2,766
National Mediation Board.....	135	126	103	67	68	61	60
National Science Foundation.....	1,116	1,211	1,424	1,396	1,394	1,386	1,404
National Transportation Safety Board.....	(x)	(x)	291	380	384	361	314
Nuclear Regulatory Commission ¹⁹	(x)	(x)	2,247	3,024	3,283	3,545	3,601
Office of Personnel Management ²¹	3,789	5,508	8,157	8,078	8,280	7,635	6,850
Panama Canal Commission.....	11,936	12,571	11,689	10,040	8,700	8,474	8,869
Peace Corps.....	(x)	(x)	(x)	(x)	(x)	(x)	1,011
Pension Benefit Guaranty Corporation.....	(x)	(x)	208	438	463	453	458
Railroad Retirement Board.....	1,767	1,734	1,961	1,820	1,795	1,634	1,566
Renegotiation Board ²²	164	236	198	(x)	(x)	(x)	(x)
Securities and Exchange Commission.....	1,420	1,454	2,002	2,054	2,056	1,957	1,851
Selective Service System.....	7,587	8,395	2,257	73	97	280	250
Small Business Administration.....	3,751	4,269	4,796	5,912	5,804	5,088	5,024
Smithsonian Institution.....	2,334	2,641	3,746	4,621	4,403	4,359	4,187
Soldiers' and Airmen's Home.....	1,134	1,126	1,041	1,007	994	979	949
Tennessee Valley Authority.....	16,797	22,244	28,423	49,941	51,714	50,102	45,218
U.S. International Development Coopera- tion Agency.....	(²³)	(²³)	(²³)	(²³)	6,152	5,835	5,672
U.S. Postal Service ²⁴	595,512	726,472	699,174	661,800	660,014	663,100	663,876
Veterans Administration.....	167,059	168,719	213,143	226,084	226,285	232,417	233,218
All other.....	709	579	1,682	2,153	2,052	1,780	1,679

NA Not available. X Not applicable. ¹As of March. Includes 25,038 employees exempted from personnel ceilings in Youth Program and Worker Trainee Opportunities Program. ²Includes 33,460 appointments under Youth Opportunity Campaign. ³Includes 13 in 1979, 13 in 1980, 12 in 1981, and 16 in 1982 of Commission on Security and Cooperation in Europe. ⁴Agency established in 1969. ⁵Includes 24,278 enumerators in 1970 census, and 4,975 enumerators in the 1980 census. ⁶Dept. of Education established Sept. 1979; formerly included with Health and Human Services (previously HEW). ⁷Dept. of Energy established Oct. 1, 1977; comprises ERDA, Federal Energy Admin., Federal Power Comm., and the fuel elements of the Dept. of Interior. ⁸Includes Housing and Home Finance Agency. ⁹Transferred from Dept. of State to U.S. International Development Cooperation Agency. ¹⁰Data represent Federal Aviation Admin. and St. Lawrence Seaway Development Corp., both of which were transferred to Dept. of Transportation in Apr. 1967. ¹¹Formerly Peace Corps; became an independent agency in 1971; Peace Corps re-established Dec. 29, 1981. ¹²In Jan. 1975, Atomic Energy Commission was divided into Energy Research and Development Admin. and Nuclear Regulatory Commission. ¹³U.S. jurisdiction over Panama Canal Zone terminated Oct. 1979. ¹⁴Established in 1974 as successor to Office of Economic Opportunity; terminated as of Sept. 30, 1981. ¹⁵Established Oct. 1972. ¹⁶Established June 28, 1974. ¹⁷In Mar. 1978 United States Information Agency became International Communications Agency. ¹⁸Formerly Tariff Commission. ¹⁹Agency established in 1970. ²⁰Established as the National Foundation on the Arts and Humanities in 1965; divided in Sept. 1978. ²¹Formerly Civil Service Commission. ²²Agency terminated as of March 31, 1979. ²³Included in State Dept. prior to 1980. ²⁴Post Office, an executive department through 1970, reorganized and became U.S. Postal Service, an independent agency, as of July 1, 1971.

Source: U.S. Office of Personnel Management, *Annual Report and Monthly Release of Federal Civilian Work Force Statistics*.

**NO. 455. WHITE-COLLAR FULL-TIME CIVILIAN WORKERS IN THE FEDERAL GOVERNMENT, BY MAJOR
OCCUPATION GROUP AND SEX: 1980 AND 1981**

[As of October 31. Includes U.S. outlying areas and foreign countries, but excludes foreign nationals overseas]

MAJOR OCCUPATION GROUP	1980		1981 ¹		MAJOR OCCUPATION GROUP	1980		1981 ¹	
	Total (1,000)	Per- cent male	Total (1,000)	Per- cent male		Total (1,000)	Per- cent male	Total (1,000)	Per- cent male
Total.....	1,965.0	61.4	1,512.8	54.4	Biological sciences.....	52.0	86.2	58.7	85.7
Professional.....	326.6	76.1	330.4	75.8	Investigation.....	49.0	89.9	49.9	88.9
Administrative.....	433.3	73.9	400.6	71.4	Personnel management and industrial relations.....	48.5	39.9	47.2	38.1
Technical.....	359.2	56.6	346.6	55.6	Transportation.....	44.9	60.6	34.6	75.1
Clerical.....	618.4	49.2	392.5	14.0	Physical sciences.....	43.8	87.6	43.8	86.8
Other ²	47.6	90.6	42.7	91.2	Education.....	29.0	56.5	28.3	56.8
General admin., clerical, and office services.....	448.7	31.1	429.7	30.4	Information and arts.....	21.2	61.7	21.3	59.8
Postal.....	451.5	82.0	(¹)	(¹)	Quality assurance inspec- tion and grading.....	18.7	91.5	16.8	90.4
Engineering and architec- ture.....	153.8	96.4	154.2	95.8	Math. and statistics.....	15.0	68.6	14.6	68.5
Accounting and budget.....	125.2	46.5	123.3	44.6	Equipment, facilities, and service.....	14.8	94.9	15.1	93.8
Medical, hospital, dental, and public health.....	132.1	35.1	134.8	35.0	Library and archives.....	9.8	35.9	9.8	34.4
Business and industry.....	75.9	62.0	80.3	58.4	Other.....	63.8	88.4	58.8	88.3
Legal and kindred.....	71.0	42.0	71.8	41.0	Average salary, total.....	\$21.5	(x)	\$23.1	(x)
Social science, psychology, and welfare.....	80.6	61.4	60.6	80.4	Professional.....	\$30.9	(x)	\$31.9	(x)
Supply.....	56.3	50.3	57.4	46.5	Administrative.....	\$28.3	(x)	\$29.5	(x)
					Technical.....	\$18.2	(x)	\$18.8	(x)
					Clerical.....	\$15.8	(x)	\$13.8	(x)

X Not applicable. ¹Excludes U.S. Postal Service. ²Includes unspecified.

Source: U.S. Office of Personnel Management, *Occupations of Federal White-Collar Workers*, annual.

No. 456. PAID CIVILIAN EMPLOYMENT IN FULL-TIME POSITIONS IN THE FEDERAL GOVERNMENT, ALL AREAS: 1960 TO 1981

[As of June 30 through 1970; as of March 31 thereafter. Excludes employees of Congress and Federal courts, maritime seamen of Dept. of Commerce, and small number for whom rates were not reported. See text, p. — for explanation of General Schedule and Wage system. See also *Historical Statistics, Colonial Times to 1970*, series Y 318-331]

COMPENSATION AUTHORITY	EMPLOYEES (1,000)						AVERAGE PAY (dol.)					
	1965	1966	1970	1975	1980	1981	1960	1965	1970	1975	1980	1981
Total	2,237	2,398	2,806	2,882	3,493	2,475	5,273	6,868	9,234	13,529	17,758	21,115
General schedule.....	973	1,112	1,287	1,349	1,402	1,395	5,705	7,707	11,065	14,483	17,299	21,833
Wage system.....	667	621	674	528	456	446	4,935	5,687	6,978	11,197	17,844	19,557
Postal pay system.....	483	534	673	568	528	506	4,854	6,219	8,120	13,329	17,799	19,089
Other.....	114	131	172	139	113	127	5,344	7,032	8,741	13,951	20,344	28,777

Source: U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service*, annual.

No. 457. FULL-TIME WHITE-COLLAR CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT—TOTAL AND WOMEN, BY GRADE LEVELS: 1970 TO 1981

[As of October 31]

SEX AND GRADE ¹	Unit	1976	1974	1975	1976	1977	1978	1976	1980	1981
Total employment.....	1,000.....	1,982	1,957	1,978	1,981	1,978	1,909	1,975	1,985	² 1,513
Women.....	1,000.....	957	982	997	711	721	737	747	767	² 690
Percent of total.....	Percent.....	33.1	34.8	35.3	35.9	36.3	35.9	37.7	38.6	² 45.6
General Schedule and Equivalent Pay System.....	1,000.....	1,259	1,404	1,428	1,456	1,469	1,483	1,465	1,473	1,481
Women ³	1,000.....	507	586	601	621	632	645	648	664	679
Percent of total.....	Percent.....	40.3	41.7	42.1	42.7	43.0	43.5	44.1	45.1	45.9
Grades 1-6 (\$8,342-\$18,630).....	1,000.....	521	586	585	587	587	584	563	581	583
Women.....	1,000.....	378	418	419	424	424	425	415	416	417
Percent of total.....	Percent.....	72.2	71.1	71.6	72.2	72.2	72.8	73.8	74.1	74.1
Grades 7-10 (\$15,922-\$27,884).....	1,000.....	302	333	344	352	354	357	355	357	359
Women.....	1,000.....	101	123	132	142	147	153	157	165	171
Percent of total.....	Percent.....	33.4	36.9	38.4	40.3	41.5	42.9	44.4	46.3	47.6
Grades 11-12 (\$23,586-\$36,723).....	1,000.....	264	286	297	309	316	326	331	335	343
Women.....	1,000.....	25	36	40	44	48	54	58	64	71
Percent of total.....	Percent.....	9.5	12.6	13.5	14.2	15.2	16.6	17.5	19.3	20.8
Grades 13-15 (\$33,586-\$50,112).....	1,000.....	164	190	196	201	205	209	213	217	215
Women, percent of total.....	Percent.....	3.0	4.7	5.1	5.5	5.9	6.2	7.0	8.2	9.2
Grades 16-18 (\$50,112) ⁴	1,000.....	8	7	7	7	7	7	4	3	1
Women, percent of total.....	Percent.....	1.4	2.4	2.7	2.9	3.6	4.2	5.0	4.4	6.4
Postal Pay System.....	1,000.....	618	527	519	496	488	490	487	483	(⁵)
Women.....	1,000.....	102	86	86	81	81	63	91	93	(⁵)
Percent of total.....	Percent.....	16.5	16.3	16.5	16.3	16.8	16.9	18.6	19.2	(⁵)
Other pay systems.....	1,000.....	105	26	28	27	21	22	25	29	32
Women.....	1,000.....	48	10	10	9	8	9	10	10	11
Percent of total.....	Percent.....	45.7	38.5	35.4	33.3	39.7	40.9	38.4	35.5	33.3

¹ Pay ranges shown for General Schedule grades are as of Oct. 1, 1981, and apply only to the 1981 data. ² Excludes U.S. Postal Service. ³ Includes women in Grades 16-18 not shown separately. ⁴ Beginning 1979, change in number reflects shift of senior level employees to Senior Executive Service.

Source: U.S. Office of Personnel Management, *Occupations of Federal White-Collar Workers*, annual.

No. 458. SALARIES OF SELECTED EXECUTIVE AND LEGISLATIVE OFFICIALS IN THE FEDERAL GOVERNMENT: 1907 TO 1983

YEAR ¹	President	Vice President	Cabinet officers	Congressmen ²	YEAR ¹	President	Vice President	Cabinet officers	Congressmen ²
1907.....	³ \$50,000	\$12,000	\$12,000	\$7,500	1985.....	(⁴)	(⁴)	(⁴)	\$30,000
1909.....	75,000	(⁴)	(⁴)	(⁴)	1989.....	⁵ \$200,000	⁵ \$62,500	\$60,000	42,500
1925.....	(⁴)	15,000	⁵ 15,000	⁵ 10,000	1975.....	(⁴)	⁵ \$65,600	63,000	44,600
1946.....	(⁴)	20,000	(⁴)	⁵ 15,000	1976.....	(⁴)	⁵ \$66,600	⁵ 66,000	⁵ 46,600
1949.....	⁷ 100,000	30,000	22,500	(⁴)	1977-1978.....	(⁴)	⁵ 75,000	68,000	57,600
1955.....	(⁴)	35,000	(⁴)	22,500	1979-1980.....	(⁴)	¹⁰ 79,100	¹⁰ 69,600	¹⁰ 60,700
1956.....	(⁴)	(⁴)	25,000	(⁴)	1980-1983.....	(⁴)	¹⁰ 79,100	¹⁰ 69,600	¹⁰ 60,700
1984.....	(⁴)	43,000	35,000	(⁴)					

¹ When salary change became effective. ² Representatives and senators. ³ Compensation enacted in 1873. ⁴ No change from prior year shown. ⁵ Legislation reduced amounts by 15, 10, and 5 percent, successively, during 1932-35. Full salary restored Apr. 1, 1935. ⁶ Includes \$2,500 expense allowance that was tax free until 1953. Allowance discontinued Mar. 1, 1956. For income tax, members may deduct up to \$3,000 a year for living expenses. ⁷ Plus \$50,000 for official expenses. ⁸ Plus \$10,000 expense allowance. ⁹ Pursuant to Legislative Branch Appropriation Act, 1977, salaries paid were limited to the rates in effect on Sept. 30, 1976. ¹⁰ Pursuant to Legislative Branch Appropriation Act, 1978, salaries paid are limited to the rates in effect for 1978.

Source: U.S. Office of Personnel Management, *Annual Report*.

No. 450. FULL-TIME CIVILIAN BLUE-COLLAR EMPLOYMENT BY SELECTED MAJOR OCCUPATION GROUP: 1960 TO 1981

[Covers full-time civilian blue-collar employment as of October 31 in all Federal departments and agencies except members and staff of Congress, the Congressional Budget Office, Copyright Royalty Tribunal, Office of Technology Assessment, most of the Judicial Branch, and the Board of Governors of the Federal Reserve System. The Central Intelligence and National Security agencies are exempt by law from reporting personnel data to Office of Personnel Management. Excludes foreign nationals employed overseas; beginning 1980 excludes the U.S. Postal Service]

MAJOR OCCUPATION GROUP	1960	1970	1980	1981	MAJOR OCCUPATION GROUP	1960	1970	1980	1981
Total	635,207	574,828	452,834	452,069	Miscellaneous occupations	-	725	4,832	5,009
Electronic equip. install. and maintenance	22,836	29,898	23,896	23,865	Industrial equipment maintenance	16,183	19,098	19,249	19,928
Electrical installation and maintenance	32,324	28,723	25,533	24,453	Industrial equipment operation	37,340	28,365	18,375	18,081
Instrument work	6,223	7,727	6,029	6,108	Transportation/mobile equip. operations	48,257	45,463	28,836	28,627
Machine tool work	31,936	21,751	17,763	17,991	Transportation/mobile equip. maintenance	24,184	29,215	23,485	23,041
General services and support work	90,776	60,654	39,374	37,720	Armament work	5,161	6,491	5,156	5,311
Metal processing	15,262	11,190	8,952	9,166	Warehousing and stock handling	50,799	46,597	37,654	39,762
Metal work	23,217	21,547	24,150	25,579	Packing and processing	10,323	8,518	8,380	8,761
Painting and paperhanging	13,865	11,202	10,095	10,207	Food preparation and serving	27,858	29,703	23,745	22,680
Plumbing and pipefitting	17,707	15,901	19,097	18,640	Engine overhaul	11,367	8,155	5,237	5,538
Printing	14,869	14,091	10,345	8,301	Aircraft overhaul	21,343	18,473	16,599	17,200
Woodwork	21,929	17,861	13,891	12,707	Other	78,926	76,912	44,156	45,999
General maintenance and operation	12,520	16,670	17,905	17,415					

- Represents zero.
Source: U.S. Office of Personnel Management, *Occupations of Federal Blue-Collar Workers*, annual.

No. 460. MINORITY GROUP FULL-TIME EMPLOYMENT IN THE FEDERAL GOVERNMENT, ALL AGENCIES, BY PAY SYSTEM: 1979 AND 1980

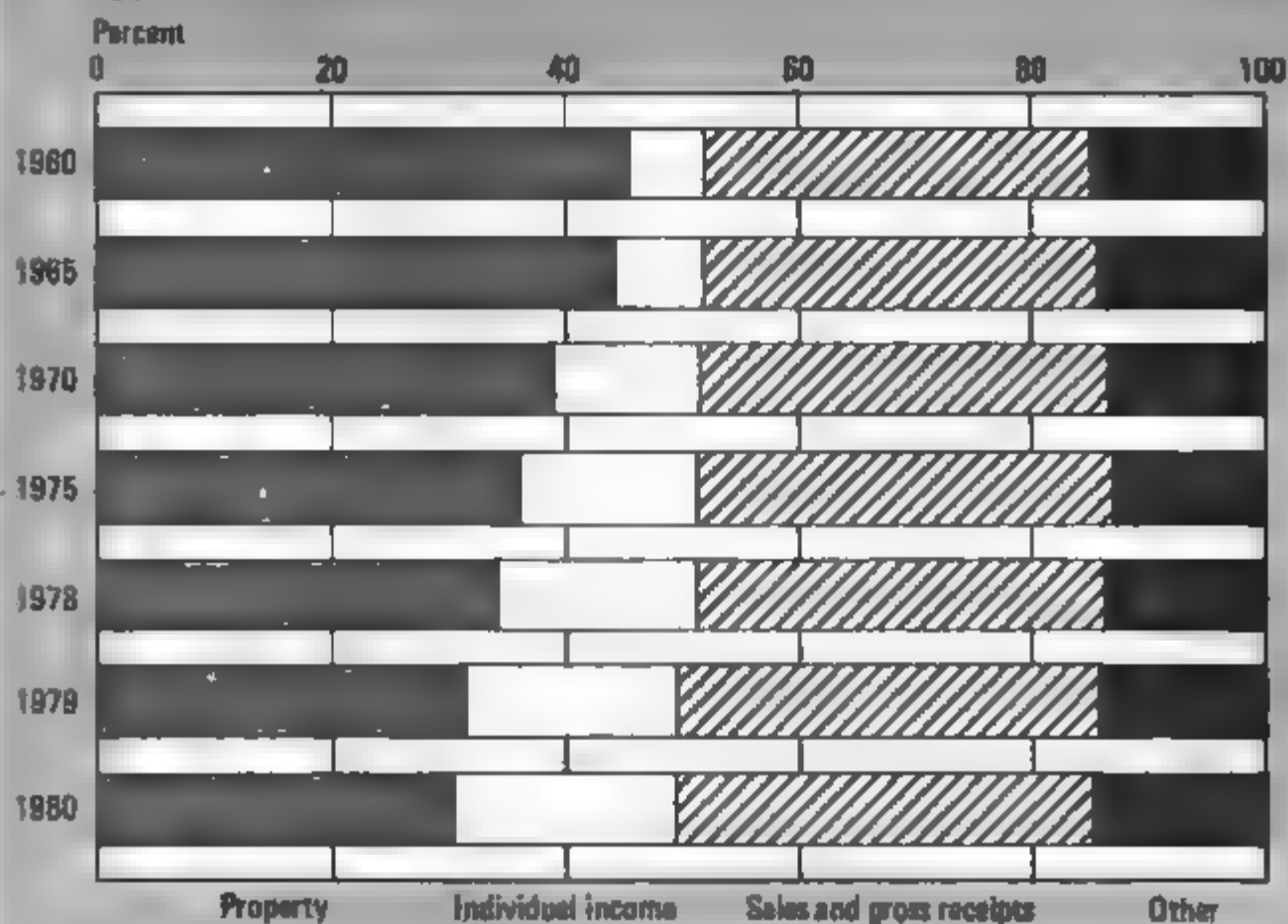
[As of Nov. 30. Excludes Hawaii, Guam, Puerto Rico, and foreign nationals abroad]

PAY SYSTEM	1979					1980				
	Total employees (1,000)	Minority groups				Total employees (1,000)	Minority groups			
		Total (1,000) ¹	Per-cent of total	Black (1,000)	His-panic (1,000)		Total (1,000) ¹	Per-cent of total	Black (1,000)	His-panic (1,000)
All pay systems, total	2,419.0	553.2	22.9	402.4	95.1	2,438.9	574.0	23.5	414.3	100.4
General schedule and similar ²	1,430.9	284.3	19.9	196.5	47.6	1,455.5	302.6	20.8	211.3	51.9
GS 1-4 (\$7,960-\$14,248)	272.8	87.4	32.0	64.2	12.4	273.9	90.2	32.9	65.8	13.4
GS 5-8 (\$12,266-\$21,875)	436.9	110.1	25.2	82.9	17.0	445.0	116.8	26.2	87.9	18.2
GS 9-12 (\$18,585-\$35,033)	511.4	70.9	13.9	43.4	14.9	521.0	77.4	14.9	47.2	16.6
GS 13-15 (\$32,048-\$57,912)	209.8	15.9	7.6	9.1	3.2	215.6	18.3	8.5	10.5	3.7
Executive, total	8.9	.5	5.6	.4	(Z)	8.4	.6	7.1	.4	(Z)
Wage systems	442.6	131.7	29.8	92.2	28.0	440.9	131.1	29.7	91.4	27.7
WG—Regular nonsupervi-sory	322.1	105.6	32.8	72.7	23.6	320.0	104.8	32.8	71.9	23.3
WL—Regular leader	11.5	3.6	31.3	2.5	.8	11.5	3.7	32.2	2.5	.8
WS—Regular supervisory	37.8	8.6	22.8	5.8	2.0	37.5	8.7	23.2	5.9	2.0
Other wage systems	71.2	13.9	19.5	11.2	1.6	71.9	13.9	19.3	11.1	1.6
U.S. Postal Service	516.4	133.6	25.9	108.0	18.9	512.6	136.5	26.6	109.2	20.2
Level 1-5	369.1	95.1	25.8	77.0	13.9	364.5	96.3	26.4	77.1	14.7
Level 6-12	85.7	28.1	32.8	22.7	3.7	85.4	26.8	33.7	23.0	3.8
Level 13 and above	61.6	10.4	16.9	8.3	1.4	62.7	11.4	18.2	9.0	1.7
Other pay systems	20.3	3.0	14.8	2.2	.5	21.4	3.2	15.0	2.0	.5

Z Fewer than 50. ¹ Includes American Indians and Orientals. ² Pay rates as of Oct. 1980 for general schedule. Each grade (except Executive) includes several salary steps. Range is from lowest to highest step of grades shown.
Source: U.S. Office of Personnel Management, *Equal Employment Opportunity Statistics*, annual.

Figure 10.1

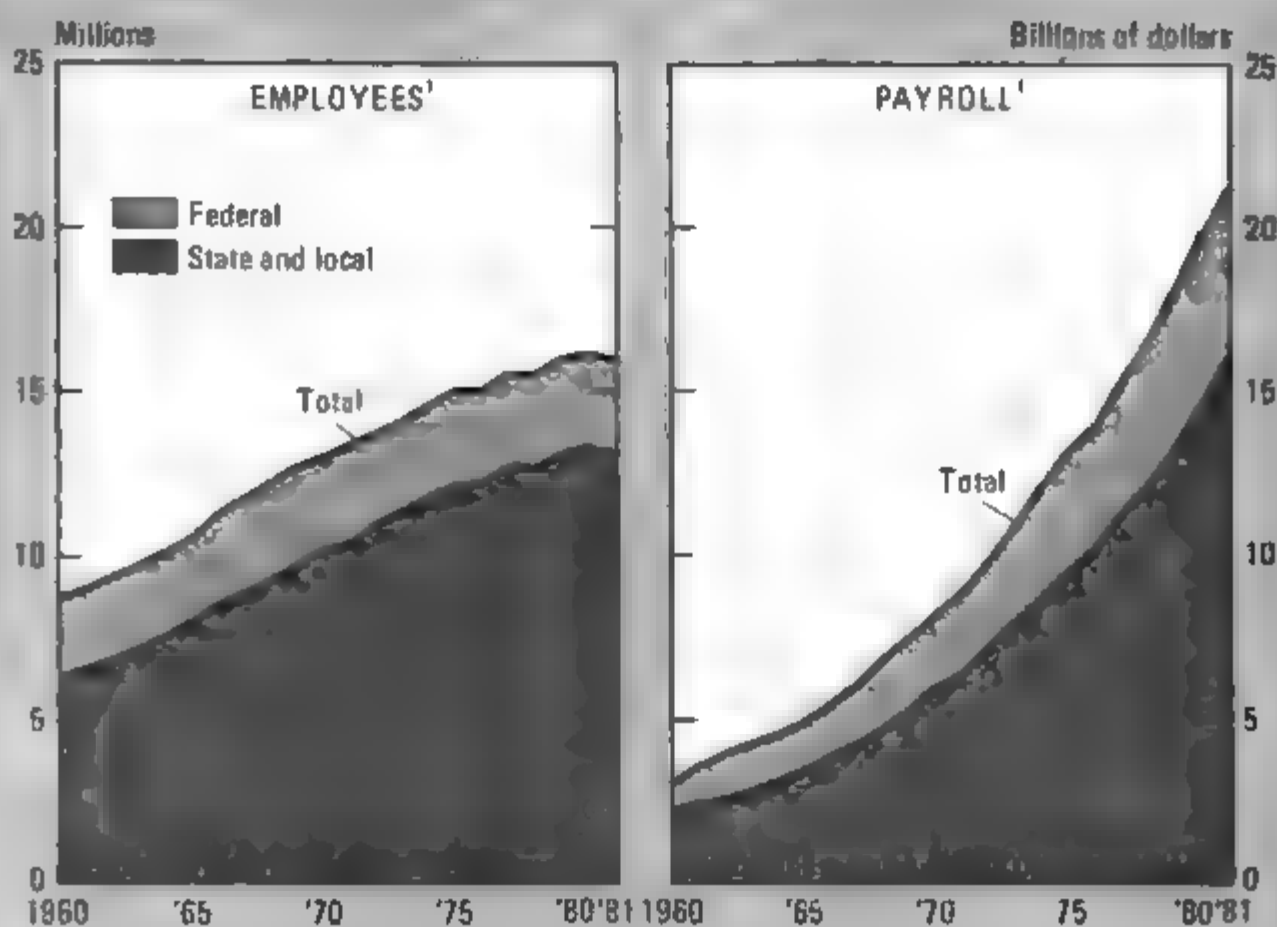
State and Local Government Taxes—Percent Distribution, by Type: 1960 to 1980



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 473.

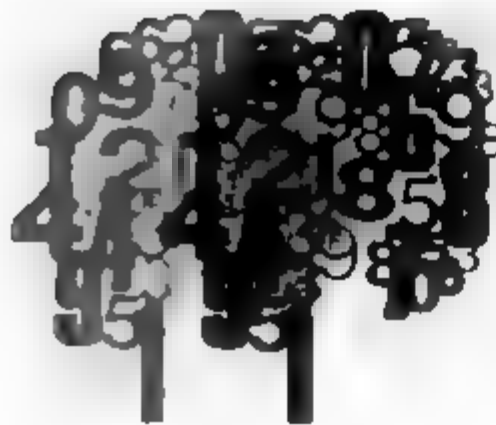
Figure 10.2

Governmental Employment and Payroll: 1960 to 1981



'For October

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 500.



Section 10

State and Local Government Finances and Employment

This section presents data on revenues, expenditures, debt, gross assessed value of property, and government employment within State and local governments. Nationwide statistics relating to State and local governments, their numbers, finances, and employment, are compiled primarily by the Bureau of the Census through a program of censuses and surveys. Every fifth year (for years ending in "2" and "7") the Bureau conducts a Census of Governments involving collection of data for all governmental units in the United States. In addition, the Bureau conducts annual surveys which cover all the State governments and a sample of local governments.

Publications issued annually by the Bureau of the Census include a report on governmental finances which presents figures for the Federal Government, nationwide totals for State and local governments, by type, and State-local data by States. Also issued annually are a series of publications on State, city, county, and school finances, and on city, county, and other public employment. Financial data are published in the GF publication series, employment data in the GE series. There are also a series of quarterly reports covering tax revenue, and finances of major public employee retirement systems, as well as a series (GSS) of special studies. *Recurrent Publications on Governments* describes the publication program.

Basic information for Census Bureau statistics on governments is obtained mainly by mail canvases from State and local officials; however, financial data for each of the State governments and for many of the large local governments are compiled from their official records and reports by Census Bureau personnel. Financial data on the Federal Government are obtained by the Bureau from the Office of Management and Budget and are published in the *Budget* (see page 243).

Governmental units.—The governmental structure of the United States includes, in addition to the Federal Government and the States, thousands of local governments—counties, municipalities, townships, school districts, and numerous kinds of "special districts." As shown by table 461, more than 82,600 local governments were identified by the 1982 Census of Governments. As defined by the census, governmental units include all agencies or bodies having an organized existence, governmental character, and substantial autonomy. While most of these governments can impose taxes, many of the special districts—such as independent public housing authorities, the New York Port Authority, and numerous local irrigation, power, and other types of districts—are financed from rentals, charges for services, benefit assessments, grants from other governments, toll charges, and other nontax sources. The count of governments excludes semi-autonomous agencies through which States, cities, and counties sometimes provide for certain functions—for example, "dependent" school systems, State institutions of higher education, and certain other "authorities" and special agencies which are under the administrative or fiscal control of an established governmental unit.

Finances.—Unless otherwise stated, financial data relate to fiscal years. Most States end their fiscal year June 30. This was also the practice of the Federal Government until 1976 when its fiscal year, by an act of Congress, was revised to extend from Oct. 1 to Sept. 30. A three-month quarter (July 1 to Sept. 30, 1976) bridged the transition. Beginning 1983, local government figures are for fiscal years which close at various dates during the 12 months ended June 30 of the year specified; figures for 1982 and earlier years are for fiscal years ended during the calendar year.

Nationwide government finance statistics must be classified and presented in terms of uniform concepts and categories, rather than according to the highly diverse terminology, organization, and fund structure utilized by individual governments. Accordingly, financial statistics which appear here for the Federal Government and for individual States have been standardized and may not agree directly with figures appearing in the original sources.

Statistics on governmental finances distinguish among general government, utilities, liquor stores, and insurance trusts. *General government* comprises all activities except utilities, liquor stores, and insurance trusts. Utilities include local government water supply, electric light and power, gas supply, and transit systems. Liquor stores are operated by 17 States and by local governments in

four States. Insurance trusts relate to employee retirement, unemployment compensation, and other social insurance systems administered by State and local governments.

Data for cities relate only to municipal corporations and their dependent agencies, and do not include amounts for other local governments overlying city areas. Therefore, expenditure figures for "education" do not include spending by the separate school districts which administer public schools within most municipal areas. Variations in the assignment of governmental responsibility for public assistance, health, hospitals, public housing, and other functions to a lesser degree also have an important effect upon reported amounts of city expenditure, revenue, and debt. Therefore, any intercity comparisons based upon these figures should be made with caution, and with due recognition of variations that exist among urban areas in the relative role of the municipal corporation.

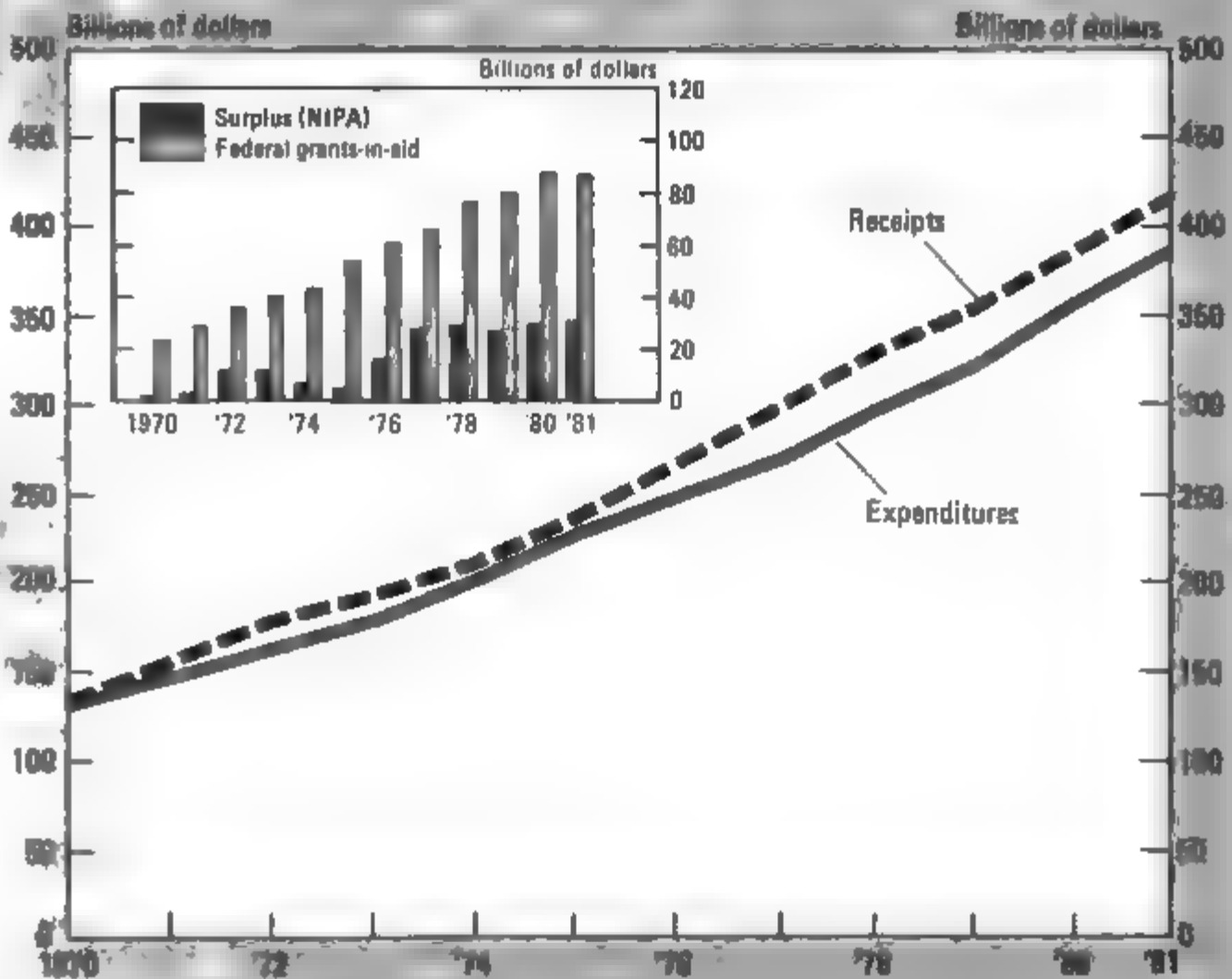
Employment and payrolls.—These data are based mainly on mail canvassing of State and local governments. Payroll includes all salaries, wages, and individual fee payments for the month specified, and employment relates to all persons on governmental payrolls during a pay period of the month covered—including paid officials, temporary help, and (unless otherwise specified) part-time as well as full-time personnel. Figures shown for individual governments cover major dependent agencies such as institutions of higher education, as well as the basic central departments and agencies of the government.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

Figure 10.3

State and Local Government Finances: 1970 to 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 474

No. 461. NUMBER OF GOVERNMENTAL UNITS, BY LEVEL OF GOVERNMENT: 1942 TO 1982

[See text, p. 271]

LEVEL OF GOVERNMENT	1942	1962	1967	1962	1967	1972	1977	1982
Total	106,116	116,743	102,326	91,237	81,296	76,269	78,913	82,666
U.S. Government	1	1	1	1	1	1	1	1
States	48	46	46	50	50	50	50	50
Local governments	155,067	116,694	102,279	91,186	81,246	75,218	78,862	82,617
Counties	3,060	3,049	3,047	3,043	3,049	3,044	3,042	3,041
Municipalities	18,220	16,778	17,183	16,000	16,048	16,517	16,662	16,063
Townships and towns	18,919	17,202	17,196	17,142	17,105	16,991	16,822	16,748
School districts	106,579	67,346	50,446	34,676	21,762	15,761	15,174	15,032
Special districts	8,299	12,319	14,406	16,323	21,264	23,665	25,962	26,733

Source: U.S. Bureau of the Census, *Census of Governments: 1967, 1972, and 1977*, vol. 1, *Governmental Organization and 1967 Preliminary Report No. 1*, GC 82 (P)-1.

No. 462. ALL GOVERNMENTS—REVENUE, EXPENDITURE, AND DEBT: 1950 TO 1980

[Prior to 1950, excludes Alaska and Hawaii. Excludes intergovernmental revenue and expenditure. Local government amounts are estimates subject to sampling variation; see Appendix III and source. See also *Historical Statistics, Colonial Times to 1970*, series Y 505-637 and Y 655-646]

ITEM AND YEAR	All governments (bil. dol.)	FEDERAL ¹		STATE AND LOCAL (bil. dol.)			ANNUAL PERCENT CHANGE ²			PER CAPITA ³ (dollars)		
		Total (bil. dol.)	Per- cent of total	Total	State	Local	Federal	State	Local	Total	Federal	State and local
Revenue												
1950	67	44	65.3	23	11	12	9.3	6.7	9.9	440	267	153
1955	106	72	67.8	34	17	18	12.9	7.8	8.8	644	435	209
1960	153	100	65.2	53	26	27	8.8	9.4	8.8	851	554	296
1965	203	126	62.1	77	39	38	4.8	8.1	7.0	1,045	649	396
1970	334	206	61.6	126	69	60	3.0	12.3	9.3	1,642	1,011	631
1973	432	254	58.8	176	97	81	12.7	16.1	8.2	2,056	1,211	845
1974	484	288	59.5	196	106	90	13.6	10.9	8.6	2,269	1,367	927
1975	519	302	58.2	217	119	98	5.0	10.7	10.6	2,436	1,418	1,018
1976	571	324	56.6	246	139	109	7.0	16.7	11.1	2,651	1,507	1,154
1977	656	363	55.1	275	156	120	18.1	12.0	10.2	3,039	1,786	1,272
1978	732	430	58.7	302	172	130	12.3	10.1	9.1	3,356	1,971	1,385
1979	829	506	60.3	330	190	140	16.3	10.7	7.2	3,768	2,270	1,498
1980	932	564	60.5	369	213	156	12.8	12.0	11.5	4,116	2,489	1,627
Expenditure												
1950	70	42	60.3	26	11	17	11.1	17.3	12.9	484	290	184
1955	111	70	63.5	40	14	26	10.8	5.8	8.8	670	426	244
1960	151	90	59.7	61	22	39	5.2	9.0	8.4	841	502	339
1965	206	119	57.9	87	31	55	5.7	7.3	7.3	1,061	614	447
1970	333	185	55.5	148	56	92	4.5	12.3	10.7	1,638	910	728
1973	437	231	53.0	205	78	127	9.4	7.8	8.0	2,061	1,103	978
1974	478	253	52.8	226	86	139	9.2	10.5	9.5	2,263	1,195	1,069
1975	560	292	52.1	268	107	161	15.5	24.0	15.7	2,626	1,370	1,256
1976	625	322	51.5	303	123	180	10.3	15.1	11.6	2,912	1,500	1,417
1977	682	359	52.8	323	129	194	11.5	4.6	8.0	3,154	1,661	1,494
1978	745	400	53.7	345	137	208	11.5	6.0	7.4	3,416	1,836	1,584
1979	832	452	54.3	380	149	232	13.0	8.9	11.0	3,782	2,054	1,728
1980	959	526	54.8	432	173	259	16.4	16.6	11.8	4,232	2,324	1,909
Debt outstanding:⁴												
1950	281	257	91.4	24	5	19	.6	19.9	12.1	1,656	1,687	159
1955	319	274	86.1	44	11	33	1.3	16.2	11.9	1,928	1,880	266
1960	356	286	80.4	70	19	51	.9	10.6	9.2	1,879	1,691	369
1965	417	317	76.1	100	27	72	2.1	7.8	7.1	2,150	1,697	513
1970	514	371	72.1	144	42	102	4.6	9.2	7.0	2,531	1,825	706
1973	657	486	71.3	186	59	129	7.1	9.0	7.0	3,130	2,232	898
1974	693	486	70.2	207	65	141	3.6	10.0	9.5	3,279	2,300	977
1975	764	544	71.1	220	72	148	11.9	10.5	4.6	3,591	2,553	1,038
1976	872	631	72.4	241	85	156	16.0	17.6	5.4	4,061	2,941	1,121
1977	969	709	73.2	260	90	169	12.3	6.3	8.8	4,477	3,278	1,200
1978	1,081	780	73.5	280	105	176	10.0	13.7	5.0	4,865	3,579	1,286
1979	1,136	834	73.3	304	112	192	6.9	8.9	8.2	5,170	3,788	1,382
1980	1,250	914	73.1	336	122	214	9.6	9.1	11.1	5,518	4,037	1,481

¹Data adjusted to system for reporting State and local data and therefore differ from figures in section 6 tables. ²Represents average for period of intervals shown; for 1950, change from 1948. For explanation, see Guide to Tabular Presentation. Minus sign (-) denotes decrease. ³All years except 1970 and 1980 based on estimated population as of July 1, 1970 and 1980 based on resident population enumerated as of Apr. 1. Includes Armed Forces abroad through 1956; thereafter, resident population. Excludes intergovernmental amounts. ⁴As of end of fiscal year.

Source: U.S. Bureau of the Census, *Census of Governments: 1977*, vol. 4, No. 5, *Compendium of Government Finances*, and vol. 6, No. 4, *Historical Statistics on Governmental Finances and Employment*; and *Governmental Finances*, series GF No. 5, annual.

No. 463. ALL GOVERNMENTS—SUMMARY OF FINANCES: 1960 TO 1980

[In billions of dollars, except as indicated. Federal data adjusted to system for reporting State and local data. Local government amounts are estimates subject to sampling variation; see Appendix III. "N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series Y 522-530 and Y 534-566]

ITEM	1965	1970	1975	1977	1978	1979	1980		
							Total	Per capita ¹ (dol.)	Per cent distribution
Revenue, total ²	153.1	333.8	519.3	657.5	731.7	829.4	932.2	4,116	100.0
Revenue from own sources:									
Federal.....	99.8	205.6	302.3	383.5	429.7	499.6	563.7	2,489	60.5
Percent of total.....	65.2	61.6	58.2	58.3	58.7	60.2	60.5	(x)	(x)
State and local.....	53.3	128.2	217.0	275.4	302.0	329.8	368.5	1,627	39.4
State.....	26.1	68.7	119.2	155.8	171.6	189.9	212.6	939	22.8
Local.....	27.2	59.6	97.8	119.6	130.5	139.9	155.9	688	16.7
General revenue ³	130.6	272.5	402.9	506.3	565.6	640.5	716.6	3,164	76.9
Taxes ⁴	113.1	232.9	331.4	419.8	488.2	524.4	574.2	2,535	61.6
Individual income.....	43.2	101.2	143.8	186.0	214.2	254.8	288.1	1,263	30.7
Corporation income.....	22.7	36.6	47.3	64.1	70.7	77.8	77.9	344	8.4
Sales and gross receipts.....	24.5	48.6	70.9	83.8	93.0	101.0	112.0	494	12.0
Property.....	16.4	34.1	51.5	62.5	66.4	64.9	68.5	302	7.3
Charges and miscellaneous.....	17.5	39.6	71.4	86.5	97.4	116.1	142.4	829	15.3
Utilities and liquor stores.....	4.9	8.6	13.3	17.5	20.0	22.6	25.6	113	2.7
Insurance trusts ⁵	17.6	52.7	103.1	133.7	146.1	166.2	190.0	839	20.4
OASDHI ⁶ (Federal Social Security).....	10.7	38.5	75.6	92.5	104.5	120.5	139.4	615	15.0
Employee retirement.....	2.9	8.2	14.9	20.1	22.2	25.3	29.1	128	3.1
Unemployment compensation.....	2.5	3.2	8.3	15.6	13.4	13.1	13.7	60	1.5
Expenditures, total ²	151.3	333.0	560.1	682.5	746.4	832.4	958.7	4,232	100.0
Direct expenditure:									
Federal.....	90.3	184.9	291.9	359.3	460.1	452.0	526.3	2,324	54.9
Percent of total.....	59.7	55.5	52.1	52.7	53.7	54.3	54.9	(x)	(x)
State and local.....	61.0	148.1	268.2	323.2	345.3	380.4	432.3	1,909	45.1
State.....	22.2	56.2	106.9	128.8	138.5	146.7	173.3	765	18.1
Local.....	38.8	91.9	161.3	194.4	206.8	231.7	259.0	1,143	27.0
Current operation.....	81.7	197.0	305.2	368.0	402.2	446.9	517.0	2,283	53.9
Capital outlay.....	31.9	47.5	86.6	75.2	81.1	93.2	99.4	439	10.4
Construction.....	15.8	28.4	43.0	43.8	44.7	51.7	58.4	258	6.1
Equipment ⁷	14.4	15.9	18.8	31.4	36.4	41.4	41.0	181	4.3
Land and existing buildings ⁸	1.7	3.2	4.8						
Assistance and subsidies.....	10.4	20.8	44.0	46.8	54.0	57.2	64.0	283	6.7
Interest on debt.....	9.7	19.2	35.1	46.4	53.4	84.2	78.9	346	8.2
Insurance benefits and repayments.....	17.6	48.5	109.2	144.1	154.8	170.9	199.4	880	20.6
Exhibit: Personal services.....	47.1	110.5	163.7	194.0	211.6	227.5	250.9	1,108	26.2
General expenditure ²	128.6	275.0	433.6	514.0	564.3	630.7	723.1	3,192	75.4
National defense and international relations.....	40.9	84.3	93.9	105.6	114.6	128.5	149.5	660	15.6
Military services only.....	41.3	76.6	86.6	97.8	105.8	118.3	137.5	625	14.3
Postal service.....	3.7	7.7	12.7	14.8	15.3	16.6	18.2	60	1.9
Education.....	19.4	55.8	95.0	110.6	118.8	129.4	143.8	635	15.0
State institutions of higher education.....	2.9	11.0	17.7	26.0	28.4	30.1	33.9	150	3.5
Local schools.....	15.2	37.5	61.5	71.5	76.7	83.4	92.9	410	9.7
Other education.....	1.3	7.3	15.8	13.1	13.7	16.0	17.0	75	1.8
Highways.....	9.6	16.7	22.8	23.3	24.9	29.0	33.7	149	3.5
Public welfare.....	4.5	17.5	39.4	49.4	54.2	59.1	64.8	286	6.8
Categorical public assistance ⁹	3.0	6.9	14.1	16.2	18.1	17.7	19.6	86	2.0
Other public assistance ⁷.....	.3	.6	1.8	1.3	2.4	1.3	1.3	6	.1
Other public welfare ⁸	1.1	10.0	23.5	31.9	33.7	40.1	43.8	194	4.6
Hospitals.....	4.2	9.7	17.4	21.3	22.8	25.7	29.2	129	3.0
Health.....	1.0	3.9	7.5	9.3	10.2	11.4	14.1	62	1.5
Police.....	2.0	4.9	9.6	11.8	12.9	13.9	15.2	67	1.6
Local fire protection.....	1.0	2.0	3.5	4.4	4.8	5.1	5.7	25	.6
Sanitation.....	1.7	3.4	7.5	9.4	9.9	11.8	13.2	58	1.4
Natural resources.....	7.1	11.5	18.1	22.4	26.3	30.3	35.2	155	3.7
Stabilization of farm prices and income.....	3.4	4.3	2.4	2.2	3.6	3.7	6.0	27	.6
Parks and recreation.....	.8	1.9	3.5	5.7	6.7	7.4	8.2	38	.9
Housing and urban renewal.....	1.1	3.2	5.9	5.6	6.0	8.0	12.1	54	1.3
Veterans services, n.e.c.....	3.6	5.5	8.6	10.2	10.8	11.6	12.5	55	1.3
Financial administration and general control.....	2.9	6.3	11.9	14.6	16.7	18.7	20.7	92	2.2
Interest on general debt.....	9.3	18.4	33.8	44.5	51.3	61.8	76.0	336	7.9
Air and water transport and terminals.....	2.0	4.0	5.2	5.7	6.1	7.0	8.4	37	.9
Other and unallocable.....	5.6	18.2	37.0	45.6	51.8	55.2	62.4	276	6.5
Utility and liquor stores.....	5.1	9.4	17.3	24.2	26.3	30.8	36.2	180	3.8
Insurance trusts ⁵	17.6	48.5	109.2	144.1	154.8	170.9	199.4	880	20.8
OASDHI ⁶ (Federal Social Security).....	10.8	35.8	78.6	103.2	115.0	129.2	149.5	679	15.6
Employee retirement.....	2.2	6.4	14.6	19.2	21.6	24.8	29.1	131	3.0
Unemployment compensation.....	2.6	2.8	12.4	14.9	10.9	9.0	12.3	58	1.3

X Not applicable. ¹See footnote 3, table 462. ²Excludes duplicative transactions between levels of government. ³Includes other items, not shown separately. ⁴Old-age, survivors, disability, and health insurance. ⁵"Equipment" and "land and existing buildings" were consolidated into a single expenditure category beginning 1977. ⁶Old-age assistance, aid to families with dependent children, aid to the blind, and aid to the disabled. ⁷Cash assistance for general relief wholly financed from State and local sources. ⁸Vendor payments under various public welfare programs, including the medicaid program.

Source: U.S. Bureau of the Census, *Census of Governments: 1977*, vol. 6, No. 4, *Historical Statistics on Governmental Finances and Employment*; and *Governmental Finances*, series GF No. 5, annual.

No. 464. ALL GOVERNMENTS—REVENUE, BY SOURCE AND LEVEL: 1970 TO 1980

[In billions of dollars. Local government amounts are estimates subject to sampling variation; see source and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 567-564 and Y 652-665]

SOURCE OF REVENUE	1970		1975		1976		1978		1980	
	Fed- eral	State and local	Fed- eral	State and local	Fed- eral	State and local	Fed- eral	State and local	Fed- eral	State and local
Total revenue	206.6	¹ 150.1	303.5	¹ 264.0	431.3	¹ 371.6	500.9	¹ 404.9	565.5	¹ 451.5
General revenue	163.6	¹ 130.8	223.0	¹ 228.2	320.8	¹ 316.0	373.8	¹ 343.3	419.1	¹ 382.3
Intergovernmental	(x)	21.9	1.2	47.1	1.6	69.6	1.3	75.2	1.8	83.0
From Federal government	(x)	21.9	(x)	47.1	(x)	69.6	(x)	75.2	(x)	83.0
From State governments	(x)	(¹)	1.2	(¹)	1.6	(¹)	1.3	(¹)	1.8	(¹)
From local governments	(x)	(¹)	(x)	(¹)	(x)	(¹)	(x)	(¹)	(x)	(¹)
From own sources	163.6	108.9	221.7	181.1	319.2	246.4	372.4	268.1	417.3	299.3
Taxes ²	146.1	86.8	190.0	141.5	274.5	193.6	318.9	205.5	350.8	223.5
Property	(x)	34.1	(x)	51.5	(x)	86.4	(x)	64.9	(x)	68.5
Individual income	90.4	10.8	122.4	21.5	181.0	33.2	217.8	36.9	244.1	42.1
Corporation income	32.8	3.7	40.6	6.6	60.0	10.7	65.7	12.1	64.6	13.3
Sales and gross receipts ²	18.3	30.3	21.1	49.8	25.5	67.6	26.7	74.2	32.0	79.9
General	(x)	16.1	(x)	29.1	(x)	41.5	(x)	46.8	(x)	51.3
Selective ²	18.3	14.2	21.1	20.7	25.5	26.1	28.7	27.7	32.0	28.6
Motor fuel	3.8	6.3	4.5	8.3	5.1	9.6	5.2	10.1	4.9	9.8
Alcoholic beverages	4.7	1.5	5.3	2.1	5.6	2.4	5.6	2.5	5.7	2.6
Tobacco products	2.1	2.4	2.3	3.4	2.5	3.8	2.5	3.8	2.4	3.9
Public utilities	1.7	1.5	2.9	3.1	2.9	4.7	2.8	5.2	2.9	5.9
Death and gift tax	3.6	1.0	4.6	1.4	5.3	1.8	5.4	2.0	6.4	2.0
Charges and miscellaneous ²	17.5	22.1	31.8	39.7	44.7	52.7	53.5	62.6	66.6	75.8
Education	(z)	5.8	(z)	9.1	.1	11.4	.1	12.4	.1	13.8
Postal service	6.2	(x)	9.6	(x)	13.5	(x)	15.4	(x)	18.4	(x)
Hospitals	(z)	3.1	(z)	6.0	(z)	9.2	.1	11.0	.1	12.7
Natural resources ²	2.3	.6	3.0	.8	6.2	1.5	7.5	1.7	9.9	1.9
Sewerage and sanitation	(x)	1.2	(x)	2.5	(x)	3.6	(x)	4.2	(x)	4.9
Utility and liquor stores	(x)	8.6	(x)	13.3	(x)	20.0	(x)	22.6	(x)	25.6
Insurance trusts	42.0	10.7	80.5	22.5	110.5	35.6	127.2	39.0	146.4	43.7

X Not applicable. Z Less than \$50 million. ¹Aggregates exclude duplicative transactions between State and local governments; see source. ²Includes other amounts not shown separately. ³Includes parks and recreation.

Source: U.S. Bureau of the Census, *Census of Governments: 1977*, vol. 6, No. 4, *Historical Statistics on State and Local Government Finances and Employment*, and *Governmental Finances*, series GF No. 5, annual.

No. 465. ALL GOVERNMENTS—GENERAL EXPENDITURE, BY FUNCTION AND LEVEL: 1970 TO 1980

[In billions of dollars. Local government amounts are estimates subject to sampling variation; see source and Appendix III. Aggregates exclude duplicative transactions between levels of government. See also *Historical Statistics, Colonial Times to 1970*, series Y 605-631 and Y 682-704]

FUNCTION	1970		1975		1976		1978		1980	
	Fed- eral	State and local	Fed- eral	State and local	Fed- eral	State and local	Fed- eral	State and local	Fed- eral	State and local
Total, all functions	166.9	¹ 131.3	253.5	¹ 230.7	348.0	¹ 297.0	389.6	¹ 327.8	446.6	¹ 389.3
Direct general	143.7	131.3	203.9	229.7	268.8	295.5	304.7	326.0	355.8	367.3
Intergovernmental	23.3	(x)	49.6	¹ 1.0	79.2	¹ 1.5	85.2	¹ 1.8	90.8	¹ 2.0
National defense and international relations	84.3	(x)	93.9	(x)	114.8	(x)	128.5	(x)	149.5	(x)
Postal service	7.7	(x)	12.7	(x)	15.3	(x)	16.6	(x)	18.2	(x)
Education	8.9	52.7	18.1	87.9	19.6	110.8	21.4	119.4	23.5	133.2
Highways	4.9	16.4	5.1	22.5	6.5	24.6	7.7	28.4	9.9	33.3
Public welfare	10.4	14.7	26.6	28.2	36.6	39.2	42.2	40.4	47.7	45.6
Health and hospitals	4.9	9.7	8.0	18.8	10.6	25.0	11.9	28.2	14.6	32.2
Natural resources ²	9.0	2.7	14.7	4.2	23.7	4.2	27.1	4.7	31.4	5.5
Housing and urban renewal	2.7	2.1	5.1	3.5	5.3	3.7	9.6	4.7	12.2	6.1
Space research and technology	3.7	(x)	3.3	(x)	4.0	(x)	4.2	(x)	4.9	(x)
Air transportation	1.2	1.0	2.0	1.4	2.9	1.6	2.9	1.9	3.2	2.5
Social insurance administration	1.7	.8	2.7	1.5	3.7	1.8	3.9	1.8	4.4	2.0
Interest on general debt	14.0	4.4	25.0	8.6	39.3	12.0	48.8	13.0	61.3	14.7
Other and combined	13.6	26.8	38.3	53.9	65.7	74.2	85.1	83.4	66.0	92.3

X Not applicable. ¹Excludes duplicative transactions between State and local governments. ²State contributions to Federal government. ³Excludes parks and recreation.

Source: U.S. Bureau of the Census, *Census of Governments: 1977*, vol. 6, No. 4, *Historical Statistics on State and Local Government Finances and Employment*, and *Governmental Finances*, series GF No. 5, annual.

No. 468. ALL GOVERNMENTS—REVENUE AND EXPENDITURE, BY LEVEL OF GOVERNMENT: 1980

[Local government amounts are estimates subject to sampling variation; see source and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 505-837 and Y 852-848]

SOURCE OF REVENUE AND TYPE OF EXPENDITURE	All governments (mil. dol.)	Federal (mil. dol.)	State (mil. dol.)	Local (mil. dol.)	PERCENT		PER CAPITA ¹ (dol.)	
					Federal	State and local ²	Federal	State and local ²
Revenue	2 932,199	584,477	278,962	1 068,760	100.0	100.0	2,497	1,994
Intergovernmental revenue	(³)	1,787	64,326	102,425	.3	18.4	8	267
Revenue from own sources	932,199	583,690	212,636	155,873	99.7	81.6	2,489	1,827
General revenue from own sources	716,629	417,336	169,266	130,027	74.0	66.3	1,843	1,321
Percent of total revenue	78.9	74.0	61.1	50.3	(x)	(x)	(x)	(x)
Taxes ⁴	574,244	350,781	137,075	86,387	62.0	49.5	1,549	987
Property	68,499	(x)	2,892	65,607	(x)	15.2	(x)	302
Individual income	268,149	244,069	37,089	4,990	43.2	9.3	1,076	186
Corporation income	77,921	64,600	13,321	(⁵)	11.4	3.0	285	59
Sales and gross receipts	111,961	32,034	67,855	12,072	5.7	17.7	141	353
Customs duties	7,436	7,436	(x)	(x)	1.3	(x)	33	(x)
General sales and gross receipts	51,328	(x)	43,168	8,160	(x)	11.4	(x)	227
Selective sales and gross receipts ⁶	53,197	24,598	24,687	3,912	4.3	6.3	108	126
Motor fuel	14,709	4,887	9,722	100	.9	2.2	22	43
Alcoholic beverages	6,327	5,685	2,478	164	1.0	.6	25	12
Tobacco products	6,320	2,446	3,736	136	.4	.9	11	17
Public utilities	8,755	2,867	3,359	2,529	.5	1.3	13	26
Motor vehicle and operators' licenses	5,713	(x)	5,325	388	(x)	1.3	(x)	25
Death and gift	8,424	8,389	2,035	(x)	1.1	.5	28	9
Charges and misc. general revenue ⁷	142,385	68,556	32,180	43,649	11.8	19.8	294	336
Current charges ⁸	80,132	36,759	16,545	27,828	6.3	9.8	158	196
National defense and international relations	4,820	4,820	(x)	(x)	.9	(x)	21	(x)
Postal service	16,401	16,401	(x)	(x)	2.9	(x)	72	(x)
Education ⁹	13,844	88	9,267	4,490	(x)	3.0	(x)	61
School lunch sales	2,013	(x)	8	2,007	(x)	.4	(x)	9
Higher education	10,497	88	9,096	1,313	(x)	2.3	(x)	46
Natural resources	10,630	9,904	480	246	1.6	.2	44	3
Hospitals	12,825	92	3,497	9,236	(x)	2.8	(x)	66
Sewerage and sanitation	4,873	(x)	4	4,870	(x)	1.1	(x)	22
Parks and recreation	1,216	42	284	891	(x)	.3	(x)	5
Housing and urban renewal	2,162	852	102	1,208	.2	.3	4	6
Air transportation	1,844	18	190	1,636	(x)	.4	(x)	8
Water transport and terminals	1,256	437	249	572	1	.2	2	4
Special assessments	1,288	(x)	33	1,255	(x)	.3	(x)	6
Sale of property	926	409	87	430	1	1	2	2
Interest earnings	26,616	11,591	8,859	6,166	2.0	3.8	51	75
Utility revenue	22,359	(x)	1,904	21,055	(x)	5.0	(x)	99
Liquor stores revenue	3,201	(x)	2,766	435	(x)	.7	(x)	14
Insurance trust revenue	190,010	146,354	39,301	4,355	25.9	10.0	646	193
Expenditure	2 968,657	617,188	267,812	1 083,777	100.0	100.0	2,725	1,916
Intergovernmental expenditure	(³)	90,836	84,504	1,757	14.7	4	401	6
General revenue sharing	(³)	6,835	(x)	(x)	1.1	(x)	30	(x)
Direct expenditure	958,657	526,330	173,307	259,019	85.3	96.6	2,324	1,909
General expenditure	723,084	355,754	143,718	223,621	57.6	64.6	1,671	1,622
Percent of total expenditure	75.4	57.6	58.7	65.8	(x)	(x)	(x)	(x)
Utility expenditure	33,599	(x)	2,401	31,198	(x)	7.7	(x)	148
Liquor stores expenditure	2,591	(x)	2,207	384	(x)	.6	(x)	11
Insurance trust expenditure	199,373	170,578	24,981	3,815	27.6	6.6	753	127
By character and object								
Current operation	517,011	209,200	108,131	199,680	33.9	70.9	924	1,359
Capital outlay	99,386	36,492	23,325	39,569	5.9	14.5	161	278
Construction	58,410	6,918	19,736	31,756	1.1	11.9	31	227
Equip. land and existing structures	40,978	29,574	3,589	7,815	4.8	2.6	130	51
Assistance and subsidies	63,998	48,776	9,818	5,404	7.9	3.5	215	67
Interest on debt	78,990	61,288	7,053	10,652	8.9	4.1	271	78
Insurance benefits and repayments	199,373	170,578	24,981	3,815	27.6	6.6	753	127
Expenditure for salaries and wages	250,888	88,890	46,793	115,103	14.1	37.8	364	724

X Not applicable Z Less than .05 percent or \$.50. ¹Based on enumerated resident population as of April 1, 1980. ²Aggregates exclude duplicative transactions between levels of government; see source. ³Includes amounts not shown separately. ⁴Minor amount included in individual income tax. ⁵Includes pay and allowances of military personnel.

Source: U.S. Bureau of the Census, *Governmental Finances in 1979-80*, series GF 80, No. 6.

NO. 467. ALL GOVERNMENTS—TAX REVENUE, BY SOURCE AND LEVEL: 1960 TO 1980

(Local government amounts are estimates subject to sampling variation; see source and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 507-512, Y 568-579, Y 657-662, Y 716-727, and Y 802-806)

SOURCE AND YEAR	ALL GOVERNMENT		FEDERAL ¹		STATE AND LOCAL		ANNUAL PERCENT CHANGE ²			PER CAPITA ³ (dollars)	
	Total (mil. dol.)	Per- cent of total	Total (mil. dol.)	Per- cent of all govt.	State (mil. dol.)	Local (mil. dol.)	Fed- eral	State	Local	Fed- eral	State and local
Total											
1960	113,120	100.0	77,003	68.1	18,038	18,081	6.0	9.2	8.8	428	201
1965	144,863	100.0	93,710	64.8	26,128	25,116	4.0	7.7	6.8	483	264
1970	232,877	100.0	146,082	62.7	47,982	36,833	9.3	12.9	9.1	719	427
1974	314,786	100.0	184,112	58.5	74,207	56,467	8.0	11.5	9.8	871	618
1975	331,435	100.0	189,970	57.3	80,155	61,310	3.2	8.0	8.5	882	664
1976	368,227	100.0	201,414	54.7	89,256	67,557	8.0	11.4	10.2	938	731
1977	419,721	100.0	243,842	58.1	101,085	74,794	21.1	13.3	10.7	1,127	813
1978	468,181	100.0	274,519	58.6	113,281	80,381	12.6	12.0	7.5	1,259	888
1979	524,446	100.0	318,932	60.8	124,908	80,806	16.1	10.3	3	1,449	934
1980	574,244	100.0	350,781	61.1	137,075	88,367	10.0	9.8	7.2	1,549	987
Individual income:											
1960	43,178	38.2	40,715	94.3	2,208	*254	7.2	15.1	12.2	226	14
1965	52,882	36.5	48,792	92.3	3,857	*433	3.7	10.6	11.3	252	21
1970	101,224	43.5	90,412	89.3	9,183	*1,830	13.1	20.2	30.4	445	53
1974	138,443	43.9	118,952	85.9	17,078	*2,413	7.1	16.8	10.3	583	92
1975	143,840	43.4	122,386	85.1	18,819	*2,635	2.9	10.2	9.2	674	101
1976	156,178	43.8	131,803	84.3	21,448	*3,127	7.5	14.0	18.7	813	114
1977	186,970	44.3	156,725	84.3	25,493	*3,752	19.1	18.9	20.0	724	136
1978	214,184	45.7	180,988	84.5	29,105	*4,071	15.5	14.2	8.5	830	152
1979	254,773	48.6	217,841	85.5	32,822	*4,309	20.4	12.1	5.8	990	188
1980	286,149	49.8	244,069	85.3	37,089	*4,990	12.0	13.7	15.8	1,078	188
Corporation income:											
1960	22,674	20.0	21,494	94.8	1,180	(*)	3.8	9.9	(*)	119	7
1965	27,390	18.9	25,461	93.0	1,829	(*)	3.4	10.3	(*)	131	10
1970	36,567	15.7	32,829	89.8	3,738	(*)	5.2	14.2	(*)	162	18
1974	44,835	14.1	33,620	86.5	8,015	(*)	8	12.8	(*)	183	28
1975	47,263	14.3	40,821	85.9	8,842	(*)	5.2	10.4	(*)	191	31
1976	48,882	13.6	41,409	85.1	7,273	(*)	1.9	9.5	(*)	193	34
1977	64,066	15.3	54,892	85.7	9,174	(*)	32.8	26.1	(*)	254	42
1978	70,690	16.1	59,952	84.8	10,738	(*)	9.2	17.0	(*)	275	49
1979	77,806	14.8	65,877	84.4	12,128	(*)	9.5	12.9	(*)	298	55
1980	77,921	13.6	64,800	82.9	13,321	(*)	-1.6	9.8	(*)	285	59
Sales and gross receipts:											
1960	24,452	21.6	12,803	51.5	10,510	1,339	5.8	8.9	11.4	70	86
1965	32,904	22.7	15,786	48.0	15,059	2,059	4.8	7.5	9.0	81	88
1970	48,619	20.9	18,297	37.8	27,254	3,068	3.0	12.8	7.9	90	149
1974	68,832	21.1	20,534	30.8	40,558	5,542	2.9	10.5	15.9	97	218
1975	70,905	21.4	21,980	29.7	43,348	6,488	2.7	8.9	16.7	99	234
1976	78,266	21.3	21,718	28.5	47,391	7,156	3.0	9.3	10.6	101	254
1977	83,775	20.0	23,180	27.7	52,382	8,232	6.7	10.5	15.0	107	280
1978	93,049	19.9	25,453	27.4	58,270	9,328	9.8	11.3	13.3	117	310
1979	100,961	19.3	26,714	26.5	63,688	10,579	4.9	9.3	13.4	121	337
1980	111,961	19.5	32,034	28.6	67,855	12,072	19.9	8.5	14.1	141	353
Property:											
1960	16,405	14.5	(x)	(x)	807	15,798	(x)	8.1	8.9	(x)	91
1965	22,983	15.8	(x)	(x)	786	21,817	(x)	4.8	8.7	(x)	117
1970	34,054	14.6	(x)	(x)	1,092	32,963	(x)	7.4	8.6	(x)	166
1974	47,706	15.1	(x)	(x)	1,301	46,404	(x)	4.5	8.9	(x)	226
1975	51,491	15.5	(x)	(x)	1,451	50,040	(x)	11.5	7.7	(x)	242
1976	57,001	15.9	(x)	(x)	2,118	54,884	(x)	46.0	9.7	(x)	286
1977	62,535	14.9	(x)	(x)	2,280	60,275	(x)	8.7	9.8	(x)	289
1978	66,422	14.1	(x)	(x)	2,384	64,058	(x)	4.8	8.3	(x)	306
1979	84,944	12.4	(x)	(x)	2,480	82,453	(x)	8.3	-2.5	(x)	296
1980	88,499	11.9	(x)	(x)	2,892	86,607	(x)	16.1	5.0	(x)	302
Other taxes:											
1960	8,411	5.7	2,181	34.2	3,530	882	9.3	7.2	1.8	12	23
1965	9,191	6.3	3,670	39.9	4,715	807	10.9	8.0	3.1	19	26
1970	12,413	5.3	4,544	36.6	6,895	1,173	4.4	7.3	7.8	22	39
1974	17,370	5.5	6,006	34.6	9,267	2,108	7.2	8.4	15.8	28	54
1975	17,936	5.4	5,873	32.7	9,997	2,188	2.2	8.9	2.8	28	57
1976	20,101	5.6	6,884	33.3	11,026	2,380	13.8	11.4	10.3	31	63
1977	23,375	5.6	8,045	38.7	11,796	2,634	36.3	7.0	8.0	42	86
1978	23,636	5.1	8,126	34.1	12,784	2,925	-10.2	8.4	16.4	37	72
1979	25,984	5.0	8,700	33.5	13,999	3,264	7.1	8.5	11.6	40	78
1980	29,714	5.2	10,079	33.9	15,817	3,718	15.8	13.7	13.9	44	87

X Not applicable. ¹ Corporation income taxes include excess profits tax, normal tax, and surtax. ² For explanation, see Guide to Tabular Presentation. Represents average for period of intervals shown here; for 1980, change from 1955. Minus sign (-) denotes decrease. ³ See footnote 3, table 462. ⁴ Corporation included with individual income. ⁵ Federal taxes include customs. ⁶ Includes licenses.

Source: U.S. Bureau of the Census, *Census of Governments: 1977*, vol. 6, No. 4, *Historical Statistics on Governmental Finance and Employment*, and *Governmental Finance*, series GF No. 5, annual.

No. 468. ALL GOVERNMENTS—EXPENDITURE FOR CAPITAL OUTLAY: 1960 TO 1980

[In millions of dollars. Local government data are estimates subject to sampling variation; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 823-824, Y 869-864, Y 873-874, Y 740-741, and Y 787-788]

YEAR AND FUNCTION	TOTAL CAPITAL OUTLAY					CONSTRUCTION EXPENDITURE ONLY				
	All governments	Federal	State and local			All governments	Federal	State and local		
			Total	State	Local			Total	State	Local
1960	31,946	16,842	15,104	6,807	8,297	15,832	3,480	12,352	5,509	6,843
1965	33,744	13,209	20,535	9,175	11,360	20,885	4,472	16,413	7,508	8,905
1970	47,519	17,869	29,650	13,295	16,355	26,402	4,150	24,252	11,185	13,067
1974	57,280	19,168	38,084	15,417	22,667	35,851	5,109	30,542	12,855	17,687
1975	56,822	21,798	44,824	17,307	27,517	42,981	5,805	36,356	14,443	21,913
1976	71,631	26,100	45,531	18,009	26,522	45,223	6,824	38,299	15,265	23,034
1977	75,160	30,008	45,154	18,964	26,190	43,783	7,429	36,334	13,803	22,531
1978	81,058	36,289	44,769	18,064	26,705	44,720	8,521	36,199	13,290	22,909
1979	93,156	39,980	53,196	19,124	34,072	51,734	8,408	43,326	16,930	27,396
1980, total	98,366	38,482	62,884	23,325	39,559	58,410	8,918	51,482	18,736	31,746
National defense ¹	28,161	28,161	(x)	(x)	(x)	2,038	2,038	(x)	(x)	(x)
Space research ²	239	239	(x)	(x)	(x)	138	138	(x)	(x)	(x)
Education	10,834	87	10,787	3,182	7,555	7,480	80	7,380	2,127	5,253
Higher education	2,972	(x)	2,972	2,458	516	1,883	(x)	1,883	1,525	358
Local schools	7,362	(x)	7,362	323	7,039	5,186	(x)	5,186	293	4,893
Other	500	87	403	401	1	391	80	311	308	1
Highways	18,266	132	18,133	14,708	4,427	17,327	128	17,199	13,526	3,673
Natural resources	5,066	4,046	1,052	527	525	3,206	2,488	740	282	458
Health and hospitals	3,116	878	2,443	1,212	1,231	2,238	384	1,874	988	886
Sewerage	8,272	(x)	8,272	343	8,028	5,967	(x)	5,967	242	5,724
Parks and recreation	2,320	297	2,023	488	1,535	1,634	274	1,360	256	1,106
Housing, urban renewal	2,565	317	2,248	55	2,190	1,786	(x)	1,786	67	1,708
Air transportation	1,542	151	1,391	235	1,157	1,268	38	1,250	220	1,031
Water transport ³	1,626	1,003	623	189	434	1,831	984	547	168	381
Utilities	9,933	(x)	9,933	718	9,216	8,631	(x)	8,631	688	7,942
All other	8,413	1,378	7,037	1,787	5,251	5,188	408	4,778	1,216	3,562

X Not applicable.

¹ Includes international relations and U.S. service schools.

² Includes technology.

³ Includes terminals.

Source: U.S. Bureau of the Census, *Census of Governments: 1977*, vol. 4, No. 5, *Compendium of Government Finances*; vol. 6, No. 4, *Historical Statistics on Government Finances and Employment*; and *Governmental Finances*, series GF No. 5, annual.

No. 469. ALL GOVERNMENTS—GROSS AND NET STOCK OF GOVERNMENT-OWNED FIXED CAPITAL AND GROSS CAPITAL FORMATION IN CURRENT AND CONSTANT (1972) DOLLARS: 1960 TO 1981

[In millions of dollars]

ITEM	1960	1965	1970	1975	1979	1977	1978	1979	1980	1981
CURRENT DOLLARS										
All governments:										
Gross stock	500.6	861.2	1,005.4	1,700.9	1,814.6	2,019.8	2,019.8	2,581.1	2,881.8	3,266.4
Equipment	198.1	187.4	223.7	317.1	343.7	385.3	422.0	474.1	558.8	690.2
Structures	301.5	463.8	781.8	1,383.7	1,470.8	1,634.5	1,597.7	2,117.0	2,404.8	2,728.2
Net stock	308.0	404.2	628.8	1,057.8	1,121.0	1,236.0	1,380.1	1,577.7	1,793.6	2,093.2
Equipment	74.9	89.3	115.9	185.6	179.0	189.3	218.9	249.8	298.8	342.1
Structures	233.1	314.9	513.0	872.2	941.8	1,046.7	1,161.3	1,327.8	1,494.7	1,681.1
Gross fixed capital formation	25.8	33.5	41.6	62.6	62.7	83.4	77.9	87.7	98.5	96.7
Depreciation	17.0	19.6	26.2	44.6	47.7	52.1	57.7	66.6	75.7	82.7
Net fixed capital formation	8.8	14.0	15.4	17.7	15.0	11.3	20.2	21.2	20.8	14.0
State and local governments:										
Gross stock	275.9	378.6	637.8	1,181.3	1,226.5	1,376.1	1,563.5	1,801.5	2,045.7	2,338.8
Equipment	16.8	20.6	34.7	68.8	77.2	88.8	88.6	114.3	130.4	154.8
Structures	259.3	357.8	603.1	1,092.6	1,159.2	1,287.3	1,464.9	1,687.2	1,915.3	2,184.2
Net stock	178.3	247.7	427.6	788.2	810.4	894.4	1,011.1	1,152.5	1,296.8	1,488.6
Equipment	9.3	10.9	20.6	41.7	48.4	51.4	57.6	65.8	73.8	85.8
Structures	167.0	236.8	407.0	746.5	761.9	843.0	953.7	1,086.7	1,222.9	1,402.8
Gross fixed capital formation	13.1	19.8	27.8	41.3	38.4	35.3	34.7	47.3	52.1	50.2
Depreciation	5.9	7.8	12.6	24.6	25.9	26.2	26.0	37.4	42.5	45.2
Net fixed capital formation	7.2	11.8	15.0	16.7	12.5	10.2	12.7	9.9	9.6	5.0
CONSTANT (1972) DOLLARS										
State and local governments:										
Gross stock	445.0	554.7	688.2	822.9	843.6	882.3	882.6	901.3	920.3	935.4
Net stock	294.7	383.5	488.2	543.2	553.0	580.2	588.8	576.1	582.8	588.1
Gross fixed capital formation	21.2	29.0	31.8	30.1	27.9	25.7	26.8	24.8	24.6	22.4

Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1965-78*, and *Survey of Current Business*, August 1982.

NO. 470. DEPENDENCY OF STATE AND LOCAL GOVERNMENTS ON OUTSIDE AID: 1960 TO 1981

(In billions of dollars, except percent. Fiscal years ending June 30)

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981, est.
Federal aid to States	8.4	9.9	19.3	36.1	42.0	45.9	50.2	54.5	61.9	64.0
Percent of State general revenue from own sources	31.0	32.3	33.5	37.3	38.1	37.8	37.0	36.1	36.6	34.2
Direct Federal aid to local governments	.8	1.2	2.6	10.9	13.6	16.6	18.4	20.6	21.1	22.0
Percent of local general revenue from own sources	2.6	3.6	5.1	12.6	14.6	16.3	17.5	17.6	16.3	15.0
State aid to local governments ¹	8.5	14.0	26.9	61.1	58.2	60.3	64.7	74.2	61.3	64.0
Percent of local general revenue from own sources	41.6	43.3	52.4	60.5	60.3	59.0	58.4	63.3	62.5	64.2

¹Includes indirect Federal aid passed through States. Such aid in 1981 is estimated to be approximately \$20 billion.Source: Advisory Commission on Intergovernmental Relations, Washington, D.C., *Significant Features of Fiscal Federalism*, annual; and unpublished data.

NO. 471. FEDERAL AID TO STATE AND LOCAL GOVERNMENTS: 1965 TO 1982

(In millions of dollars, except percent. Through 1975, for years ending June 30; beginning 1977, ending Sept. 30. Includes trust funds. See *Historical Statistics, Colonial Times to 1970*, series Y 638-651, for related data.)

TYPE OF AID, FUNCTION, AND MAJOR PROGRAM	1965	1970	1975	1977	1978	1979	1980	1981	1982, est.
Grant-in-aid shared revenue	10,304	24,014	48,834	68,414	77,688	82,868	91,472	94,762	91,220
National defense	33	37	74	96	80	94	83	75	82
International affairs and finance	4	5	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Natural resources and environment	182	429	2,438	4,186	3,888	4,630	5,382	4,944	5,110
Environmental Protection Agency	75	194	2,026	3,724	3,380	3,962	4,603	4,161	4,291
Energy	9	25	43	74	180	183	489	617	679
Agriculture	517	603	404	371	426	456	569	629	666
Transportation ²	4,100	4,538	5,884	6,298	8,637	10,438	13,087	13,482	12,534
Airports	71	83	292	335	562	556	580	488	475
Highways	4,018	4,334	4,702	5,027	6,110	7,329	9,209	9,107	8,171
Railroads	-	-	(2)	22	25	52	54	51	59
Urban mass transit	11	105	689	1,616	1,972	2,408	3,129	3,771	3,678
Commerce and housing credit	(2)	(2)	8	8	13	12	3	4	5
Community and regional development ³	844	1,780	2,842	4,496	7,078	8,641	8,486	6,124	5,933
Appalachian development	-	184	308	246	257	287	335	329	229
Community development block grants	(x)	(x)	38	2,089	2,484	3,161	3,902	4,012	4,006
Urban renewal	280	1,054	1,374	886	392	298	214	156	-
Education, employment, training, social services ⁴	1,050	6,380	12,133	15,753	20,557	22,249	21,862	21,146	17,310
Elementary and secondary education ⁵	61	1,470	2,278	2,340	2,601	3,114	3,538	3,514	(0)
Compensatory education for the disadvantaged ⁶	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	2,984
Special programs and populations ⁷	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	583
Bilingual education ⁸	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	136
Federally affected areas impact aid	341	622	577	719	708	858	822	683	551
Vocational and adult education	132	285	652	682	691	769	854	723	1,111
Library and learning resources	26	105	210	180	209	255	261	247	87
Work incentives	-	61	304	348	353	372	383	368	295
Human development—social services	29	380	803	950	1,119	1,278	1,548	1,863	2,912
Employment and training assistance	23	421	2,504	2,940	4,251	5,397	6,191	5,826	3,268
Temporary employment assistance	(x)	(x)	319	2,340	4,789	3,285	1,786	852	55
Social services—grants to States	-	574	2,047	2,534	2,809	3,091	2,763	2,646	2,168
Health ⁹	624	3,850	8,810	12,104	12,725	14,377	15,758	18,895	20,122
Alcohol, drug abuse, and mental health	8	60	590	471	606	594	679	654	684
Medicaid ¹⁰	272	2,727	6,840	9,876	10,680	12,407	13,957	16,633	17,823
Income security ¹¹	3,506	5,819	9,385	12,683	13,782	14,740	16,495	21,341	21,718
Public assistance ¹²	2,787	4,142	5,121	6,351	6,618	6,584	7,273	8,482	8,070
Food stamps—administration	32	559	136	271	298	324	412	489	774
Child nutrition and special milk programs ¹³	263	379	1,565	2,775	2,526	2,862	3,368	3,359	2,813
Housing assistance ¹⁴	206	436	1,326	1,814	2,412	2,773	3,434	4,034	4,775
Veterans benefits and services	6	18	32	78	78	86	90	74	66
Administration of justice	-	42	725	713	572	517	530	333	257
General government	13	49	100	123	164	202	180	208	190
General purpose fiscal assistance	214	430	6,971	9,438	9,523	8,233	8,478	6,710	6,319
General revenue sharing	(x)	(x)	6,130	6,758	6,823	6,848	6,829	5,137	4,570
Percent distribution ¹⁵	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Natural resources and environment	1.7	1.6	4.9	6.1	5.0	5.5	5.9	5.2	5.6
Energy	.1	1	1	1	.2	.2	.6	.7	.7
Agriculture	4.7	2.5	.8	.5	.6	.6	.8	.9	.9
Transportation	37.6	18.9	11.7	12.1	11.3	12.6	14.3	14.2	13.7
Community and regional development	5.9	7.4	5.7	6.6	9.1	8.0	7.1	6.5	6.5
Education, employment, training, social services	9.8	26.8	24.3	23.0	26.4	26.9	23.9	22.3	19.0
Health	5.7	16.0	17.7	17.7	16.3	17.4	17.2	19.9	22.1
Income security	32.2	24.2	18.8	18.5	17.7	17.6	20.2	22.5	23.6
Administration of justice	-	.7	1.5	1.0	.7	.6	.8	.4	.3
General purpose fiscal assistance	2.0	1.8	14.0	13.8	12.2	8.9	9.3	7.1	6.9

- Represents zero. X Not applicable. Z Less than \$500,000.

¹Funds for this function now provided to a private institution. ²Includes items not shown separately. ³The 1983 Budget proposes dismantlement of the Dept. of Education (DED), effective Oct. 1, 1982. Budget data for elementary and secondary education previously performed by DED are included in the Foundation for Education Assistance under compensatory education for the disadvantaged, special programs and populations, and bilingual education. ⁴Includes grants for payments to individuals.Source: U.S. Office of Management and Budget, *The Budget of the United States*, Special Analyses, and unpublished documents. "Federal Grants-in-Aid to State and Local Governments," March 1982 edition.

**NO. 472. FEDERAL AID TO STATE AND LOCAL GOVERNMENTS—SELECTED PROGRAMS, TOTAL, 1970
TO 1981, AND BY STATES AND OTHER AREAS, 1981**

(In millions of dollars, except per capita. Through 1979, for years ending June 30; beginning 1977, ending Sept. 30)

YEAR AND STATE OR OTHER AREA	Total Federal aid ¹	Federal aid per capita ² (dol.)	HHS ³		DEPARTMENT OF—		OE, ⁴ ele- mentary and second- ary educa- tion	EPA, ⁵ waste treat- ment facilities con- struction	HUD ⁶		ETA, CETA ⁷ pro- gram
			Public assistan- ce, total ⁸	Medi- coid	Trease- ury, general revenue sharing	Trans- porta- tion, highway fund			Low- rent public housing	Com- munity devel- opment block grants	
1970, total	24,194	110	7,445	(X)	(X)	4,300	1,466.5	(NA)	434.5	(X)	420.1
1975, total	49,723	228	14,008	6,640	6,130	4,573	2,276.2	1,937.6	1,326.4	36.1	2,504.2
1976, total	50,108	342	16,659	6,568	6,238	6,462	2,130.2	2,426.6	1,559.2	962.8	2,674.1
1977, total	66,437	305	18,750	9,600	6,758	6,006	2,339.1	3,529.6	1,884.3	2,068.8	2,939.7
1978, total	77,901	345	20,094	10,668	6,823	5,749	2,801.3	3,186.8	2,835.1	2,484.3	4,250.9
1979, total	82,853	367	22,094	12,411	6,848	6,762	3,114.0	3,756.1	2,773.0	3,161.2	5,308.0
1980, total	91,365	396	24,249	13,957	6,829	6,806	3,591.4	4,343.0	3,434.4	3,901.6	6,202.1
1981, total ⁹	94,806	(NA)	11,310	16,833	5,134	5,681	3,330.8	3,681.2	5,832.2	4,042.4	5,934.3
U.S.	93,297	407	11,197	17,362	5,134	5,625	3,267.9	3,633.6	4,918.1	3,906.8	5,741.8
Ala.	1,493	381	105	223	62	225	251	44.6	63.1	61.8	118.5
Alaska	448	1,087	30	26	16	114	21.1	15.4	20.5	5.6	15.5
Ariz.	864	309	66	(X)	63	136	17.9	47.5	46.6	35.1	51.4
Ark.	687	366	62	229	60	103	22.2	25.5	34.8	38.6	61.4
Calif.	10,008	414	2,037	2,084	670	548	323.6	296.7	457.6	368.6	620.3
Colo.	1,022	345	66	130	59	108	22.4	39.9	44.0	36.1	51.1
Conn.	1,180	377	158	215	64	90	6.8	61.8	66.0	59.9	66.6
Del.	314	524	60	31	16	40	6.6	17.0	18.9	10.0	20.2
D.C.	1,417	2,246	28	63	21	22	149.6	17.3	52.9	29.8	30.7
Fla.	2,898	282	282	329	182	354	136.2	105.6	145.4	128.3	221.4
Ga.	2,169	389	202	400	116	238	13.8	79.0	112.3	85.5	113.0
Hawaii	443	452	66	71	24	51	11.5	14.8	25.0	18.2	20.2
Idaho	361	377	27	40	20	56	3.6	24.4	13.8	7.2	24.4
Ill.	4,610	402	554	819	254	386	194.0	297.9	261.5	228.8	295.9
Ind.	1,729	316	155	287	100	158	35.8	113.2	137.7	67.4	171.9
Iowa	881	331	118	186	65	130	19.9	47.9	31.4	47.7	62.3
Kans.	774	325	62	129	47	127	7.3	39.6	31.8	33.1	33.4
Ky.	1,433	391	152	286	66	163	16.3	48.0	75.7	62.3	103.1
La.	1,730	401	182	317	105	157	139.0	43.1	60.5	77.7	114.9
Maine	539	473	58	118	30	41	10.1	27.0	31.4	17.8	34.7
Md.	1,890	443	176	269	100	267	16.4	105.4	110.7	83.0	110.6
Mass.	2,899	600	359	643	163	174	49.4	78.0	213.1	117.0	135.6
Mich.	4,106	448	766	706	219	227	164.9	206.0	113.1	217.9	344.9
Minn.	1,774	433	219	404	104	183	25.7	78.9	101.8	74.7	78.1
Miss.	1,096	434	82	223	70	73	36.1	40.1	36.5	41.1	66.4
Mo.	1,663	337	191	257	83	193	24.1	65.6	66.5	66.9	114.6
Mont.	449	566	27	49	20	125	6.0	10.4	19.1	11.3	16.0
Nebr.	517	326	52	65	36	75	14.7	20.6	26.6	23.6	21.8
Nev.	351	415	19	39	14	97	6.2	15.6	16.5	7.6	14.7
N.H.	306	327	26	63	17	34	6.6	32.1	20.5	11.5	12.9
N.J.	2,891	390	442	450	171	134	137.3	189.3	235.8	124.6	219.0
N. Mex.	716	539	50	72	32	82	22.0	17.7	32.7	18.7	36.3
N.Y.	10,374	689	1,185	3,236	549	432	296.6	301.2	727.1	458.4	554.8
N.C.	1,809	321	197	362	126	200	27.1	56.3	100.0	67.1	117.9
N. Dak.	318	483	20	41	14	65	3.8	12.8	20.0	9.0	9.6
Ohio	3,725	346	532	561	207	270	172.8	193.6	217.9	191.4	280.8
Ola.	1,043	337	112	234	59	93	19.9	34.7	59.0	34.5	46.7
Oreg.	1,175	443	106	125	60	153	11.9	35.4	44.2	30.0	75.7
Pa.	4,887	412	960	681	260	407	163.1	161.4	246.1	251.4	363.8
R.I.	482	506	58	110	23	39	9.4	19.1	46.2	16.9	29.8
S.C.	1,009	319	102	211	71	81	6.0	44.1	41.9	36.4	67.4
S. Dak.	356	518	24	47	18	62	6.1	18.1	25.6	9.7	10.4
Tenn.	1,810	414	133	345	97	210	132.6	68.7	94.6	63.1	119.9
Tex.	4,146	261	268	714	247	564	297.0	125.6	197.6	216.4	246.3
Utah	583	391	59	73	34	133	6.0	21.9	9.9	16.2	21.2
Vt.	279	541	37	56	16	33	3.7	12.9	12.4	5.4	10.4
Va.	1,862	343	181	267	107	255	132.6	133.4	94.1	68.9	107.2
Wash.	1,771	420	201	225	76	306	49.3	76.1	56.4	56.4	120.9
W. Va.	641	482	59	109	47	213	13.5	49.6	31.5	31.8	61.9
Wisc.	2,299	485	327	567	119	136	212.1	63.6	63.5	69.6	68.8
Wyo.	321	652	11	10	11	66	2.2	10.6	4.4	4.5	5.3
Puerto Rico	1,352	(NA)	106	30	-	26	52.1	44.8	96.2	115.1	180.0
Virgin Islands	154	(NA)	4	1	-	-	5.6	(Z)	12.8	2.2	5.3
Other ¹⁰	276	(NA)	3	2	-	(Z)	15.8	2.7	6.1	1.6	7.9

- Represents zero. NA, Not available. X, Not applicable. Z, Less than \$500,000. ¹Includes amounts not shown separately. ²Per capita for U.S. only; excludes funds paid to, and population residing in, Puerto Rico, Virgin Islands, and "Other areas." Based on Bureau of the Census estimated resident population as of July 1 including Armed Forces stationed in area through 1979 and 1981, 1980 enumerated as of April 1980. ³Department of Health and Human Services (effective May 4, 1980). ⁴Includes child support enforcement, maintenance assistance, social services, and State and local training not shown separately. ⁵Office of Education (became the Department of Education in spring 1980). Because of slight differences in accounting, data in some years will not agree with that shown in table 471. ⁶Environmental Protection Agency. ⁷Department of Housing and Urban Development. ⁸Employment and Training Administration, Comprehensive Employment and Training Act. ⁹For some categories, total includes a small amount of funds not distributed by State or other area. ¹⁰American Samoa, Guam, and Trust Territory of the Pacific Islands.

Source: U.S. Dept. of the Treasury, *Federal Aid to States*, annual.

No. 473. STATE AND LOCAL GOVERNMENTS—SUMMARY OF FINANCES: 1960 TO 1980

(In millions of dollars, except percent. Local government amounts are estimates subject to sampling variations; see Appendix III and source. See also *Historical Statistics, Colonial Times to 1970*, series Y 652-709.)

SOURCE OF REVENUE AND TYPE OF EXPENDITURE	1960	1965	1970	1975	1977	1978	1979	1980	
								Total	Per-cent
Revenues	60,277	67,777	150,106	264,019	337,670	371,907	484,834	461,537	100.0
From Federal Government	6,974	11,029	21,967	47,034	62,444	69,992	78,164	63,029	18.4
Public welfare	2,070	3,098	7,574	14,357	18,686	20,176	22,487	24,921	5.5
Highways	2,805	3,997	4,808	5,320	6,461	6,401	7,147	6,980	2.0
Education	850	1,677	5,844	9,078	10,347	11,446	12,300	14,435	3.2
Employment security administration	326	413	884	1,525	1,833	1,887	1,836	2,056	4
Revenue sharing	(x)	00	(x)	6,245	6,614	6,610	6,851	6,844	1.5
Other and unallocable	724	1,844	3,167	10,509	16,298	22,873	24,444	25,793	5.7
From State and local sources	53,302	76,748	128,148	216,979	275,226	302,014	329,770	398,508	81.8
General, net intergovernmental	43,530	62,971	106,098	181,137	222,712	246,368	268,115	290,293	66.3
Taxes	36,117	51,243	86,795	141,485	175,938	193,842	205,514	223,463	49.5
Property	16,405	22,583	34,054	51,491	62,527	66,422	64,944	68,499	15.2
Sales and gross receipts	11,848	17,116	30,322	49,615	60,641	67,596	74,247	79,927	17.7
Individual income	2,463	4,090	10,812	21,454	29,248	33,176	36,932	42,060	9.3
Corporation income	1,180	1,929	3,738	6,642	9,174	10,736	12,128	13,321	3.0
Other	4,220	5,621	7,868	12,063	14,348	15,709	17,264	19,636	4.3
Charges and miscellaneous	7,414	11,729	22,103	39,666	46,776	52,726	62,600	75,830	16.6
Utility and liquor stores	4,877	6,355	6,814	13,335	17,541	20,011	22,829	25,580	5.7
Water supply system	1,529	2,004	2,687	4,142	4,895	5,512	6,250	6,798	1.5
Electric power system	1,307	1,833	2,365	4,669	7,142	8,875	9,939	11,387	2.5
Transit system	581	776	1,135	1,411	1,991	2,056	2,245	2,397	.5
Gas supply system	199	295	401	625	862	1,009	1,297	1,809	4
Liquor stores	1,264	1,447	2,006	2,468	2,560	2,769	2,898	3,201	7
Insurance trust revenue ¹	4,866	7,422	10,736	22,507	35,172	35,635	39,027	43,656	9.7
Employee retirement	2,099	3,423	6,493	12,354	17,169	19,025	21,823	25,441	5.6
Unemployment compensation	2,323	3,244	3,101	8,155	15,296	13,158	12,941	13,529	3.0
Direct expenditures	60,969	66,666	148,062	266,241	322,168	345,313	390,374	432,326	100.0
By function:									
Direct general expenditure ¹	51,876	74,878	131,332	229,747	272,829	295,510	326,024	367,340	85.0
Education ¹	18,719	26,563	52,718	87,858	102,780	110,758	119,448	133,211	30.6
Higher education	3,202	5,863	12,924	21,702	25,972	26,391	30,059	33,819	7.8
Local schools	15,166	21,098	37,461	61,486	71,548	78,703	83,386	92,930	21.5
Highways	9,428	12,221	16,427	22,526	23,068	24,809	26,440	33,311	7.7
Public welfare	4,404	6,315	14,679	27,181	34,529	37,879	40,418	45,552	10.5
Health	559	836	1,806	4,414	5,497	6,303	7,179	8,387	1.9
Hospitals	3,236	4,525	7,863	14,432	17,542	18,648	21,039	23,787	5.5
Police protection	1,867	2,549	4,484	8,526	10,445	11,306	12,207	13,494	3.1
Fire protection	995	1,306	2,024	3,522	4,412	4,802	5,147	5,719	1.3
Natural resources	1,189	1,861	2,732	4,223	4,049	4,225	4,708	5,509	1.3
Sanitation and sewerage	1,727	2,360	3,413	7,436	9,426	9,889	11,787	13,214	3.1
Housing and urban renewal	898	1,250	2,139	3,460	3,387	3,699	4,724	6,062	1.4
Parks and recreation	770	1,104	1,888	3,462	4,916	5,270	5,868	6,520	1.5
Financial administration	2,113	1,267	2,030	3,594	4,489	5,292	6,071	6,719	1.5
General control	1,670	1,508	2,652	5,046	6,258	7,001	7,742	8,697	2.0
Interest on general debt ¹	1,670	2,499	4,374	8,782	11,234	11,963	12,987	14,747	3.4
Utility and liquor stores ²	5,088	7,058	9,447	17,295	24,191	26,277	30,846	36,191	8.4
Water supply system	1,881	2,505	3,211	5,440	6,381	6,866	8,009	9,226	2.1
Electric power system	1,244	1,963	2,486	5,280	9,313	10,587	12,665	15,016	3.5
Transit system	750	1,127	1,753	3,977	5,598	5,573	6,486	7,841	1.8
Gas supply system	191	272	370	580	803	915	1,231	1,715	.4
Liquor stores	1,022	1,172	1,627	2,009	2,096	2,317	2,416	2,591	.6
Insurance trust expenditure ¹	4,031	4,950	7,273	21,209	26,149	23,526	23,504	28,797	6.7
Employee retirement	1,285	2,296	3,829	7,443	9,667	10,774	12,273	14,008	3.2
Unemployment compensation	2,364	2,008	2,723	12,311	14,897	10,740	8,886	12,070	2.8
By character and object:									
Current operation	36,318	54,082	97,815	160,976	225,660	249,222	274,167	307,811	71.2
Capital outlay	15,104	20,535	29,850	44,824	45,154	44,799	53,186	62,894	14.5
Construction	12,952	16,413	24,252	36,356	36,334	36,199	43,326	51,492	11.9
Land and existing structures ²	1,560	2,471	2,631	3,367	8,620	8,589	9,670	11,402	2.6
Equipment ²	1,192	1,662	2,768	5,101					
Assistance and subsidies	3,518	4,127	6,080	11,146	13,077	13,753	14,044	15,222	3.5
Interest on debt (gen. and util.)	2,029	3,012	5,123	10,987	13,137	14,044	15,483	17,904	4.1
Insurance benefits and repayments	4,031	4,950	7,273	21,209	26,149	23,526	23,504	28,797	6.7
Expenditure for salaries and wages	24,445	36,065	62,096	106,166	126,330	137,703	149,104	163,886	37.9
Debt outstanding, end of year	98,965	98,812	143,670	218,926	259,868	296,433	304,193	335,903	100.0
Long-term	66,801	94,204	131,415	200,140	246,816	269,003	292,302	322,458	96.2
Short-term	3,154	5,309	12,156	19,786	12,642	11,430	11,801	13,147	3.9
Net change, end of year	5,645	7,290	10,022	14,808	15,542	21,311	23,836	26,306	(x)

X Not applicable. ¹ Includes amounts not shown separately. ² Interest on utility debt included in "utility expenditure." For total interest on debt, see "Interest on debt (general and utility)," below. ³ See footnote 5, table 463.

Source: U.S. Bureau of the Census, *Census of Governments: 1977*, vol. 6, No. 4, *Historical Statistics on Governmental Finances and Employment*; and *Governmental Finances*, series GF No. 5, annual.

No. 474. STATE AND LOCAL GOVERNMENT RECEIPTS AND EXPENDITURES IN THE NATIONAL INCOME AND PRODUCT ACCOUNTS: 1960 TO 1981

[In billions of dollars. Includes trust accounts transactions. For national income explanation, see text, p. 414]

ITEM	1960	1965	1970	1975	1976	1977	1979	1979	1980	1981
Receipts	49.9	75.1	135.4	237.7	267.6	297.7	327.6	352.0	385.9	416.8
General, own source	39.9	59.0	101.7	166.3	187.1	208.1	225.7	244.0	267.3	295.3
Personal tax and nontax receipts ¹	6.7	10.9	23.2	43.1	49.6	56.3	63.8	70.4	76.6	88.6
Income taxes	2.5	4.4	11.1	22.8	26.8	30.8	35.3	38.5	42.8	48.3
Nontaxes	2.0	3.5	7.9	14.6	16.7	18.9	21.4	24.5	28.1	32.0
Corporate profits tax accruals	1.2	2.0	3.5	7.1	9.3	11.1	11.9	13.4	14.4	13.9
Indirect business tax and nontax accruals ¹	32.0	46.1	75.0	116.2	128.3	140.7	150.0	160.2	174.1	192.8
Sales taxes	12.2	18.2	31.6	51.7	57.8	64.0	71.0	77.3	82.8	90.4
Property taxes	16.2	23.2	36.7	53.4	58.2	63.2	63.7	64.4	66.4	75.1
Contributions for social insurance	3.4	5.0	9.2	16.6	19.5	22.1	24.7	27.4	29.9	33.8
Federal grants-in-aid	6.5	11.1	24.4	54.6	61.1	67.5	77.3	60.5	88.7	87.7
Expenditures ²	49.6	75.1	133.5	232.2	251.2	269.7	297.3	321.5	357.6	385.9
Purchases of goods and services	46.5	71.1	124.4	217.2	232.9	250.4	278.3	306.0	341.2	368.0
Compensation of employees	25.5	39.3	71.1	120.6	132.3	144.0	157.6	171.8	189.9	207.4
Transfer payments to persons	5.4	7.3	14.7	24.6	27.6	29.7	32.8	35.0	39.6	43.0
Net interest and subsidies ³	-2.1	-3.3	-5.4	-8.7	-8.5	-9.1	-11.9	-17.7	-21.0	-23.4
Surplus .....	.1	(Z)	1.9	5.5	16.6	28.0	30.3	30.4	28.2	31.7

Z Less than \$50 million. ¹Includes other items not shown separately. ²Includes wage accruals less disbursements of \$175 million in 1978, -\$135 million in 1979, and -\$40 million in 1980, not shown separately. Excludes dividends received by government not shown separately. ³Less current surplus of government enterprises and dividends received by Governments.
Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*, and 1976-1979; and *Survey of Current Business*, July 1982.

No. 475. STATE AND LOCAL GOVERNMENTS—GENERAL REVENUE AND DIRECT GENERAL EXPENDITURE: 1960 TO 1980

[General revenue and expenditure exclude utilities, liquor stores, and insurance trusts. See *Historical Statistics, Colonial Times to 1970*, series Y 652-709, for totals]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
General revenue (bil. dol.)	50.5	74.0	130.8	207.7	228.2	256.2	285.2	316.0	343.3	382.3
Percent of total:										
From Federal Government	13.8	14.9	16.7	20.1	20.6	21.7	21.9	22.0	21.9	21.7
Taxes	71.5	69.2	66.4	62.9	62.0	61.2	61.7	61.3	59.9	58.4
Property	32.5	30.5	26.0	23.0	22.6	22.3	21.9	21.0	18.9	17.9
Sales and gross receipts	23.5	23.1	23.2	22.2	21.8	21.3	21.3	21.5	21.6	20.9
Individual income	4.9	5.5	8.3	9.4	9.4	9.6	10.3	10.5	10.8	11.0
Other	10.7	10.1	8.9	8.4	8.2	8.1	8.2	8.4	8.6	8.6
Charges and miscellaneous	14.7	15.9	16.9	16.9	17.4	17.1	16.4	16.7	18.2	19.8
Per capita, total ¹ (dol.)	281	382	643	983	1,071	1,193	1,318	1,449	1,560	1,680
From Federal Government	39	57	108	196	221	259	289	319	342	387
Taxes	201	264	427	618	664	731	813	888	934	967
Property tax	91	117	168	226	242	266	289	305	295	302
Charges and miscellaneous	41	61	109	166	186	204	216	242	264	335
Direct gen'l expenditure (bil. dol.)	51.9	74.7	131.3	196.6	229.7	255.6	272.8	295.5	326.0	367.3
Percent of total:										
Education	36.1	38.2	40.1	38.2	38.2	38.0	37.7	37.5	36.6	36.3
Highways	18.2	16.4	12.5	10.0	9.8	9.4	8.5	8.3	8.7	9.1
Public welfare	8.5	8.5	11.2	12.5	11.8	12.3	12.7	12.8	12.4	12.4
Health and hospitals	7.5	7.2	7.4	8.0	8.2	8.1	8.4	8.5	8.7	8.8
Police protection and correction	3.6	4.7	4.7	5.1	5.2	5.2	5.4	5.5	5.6	5.4
Natural resources	2.3	2.5	2.1	1.8	1.8	1.8	1.8	1.4	1.4	1.5
Sanitation and sewerage	3.3	3.2	2.6	3.0	3.2	3.2	3.3	3.3	3.6	3.6
Housing and urban renewal	1.7	1.7	1.6	1.7	1.5	1.2	1.2	1.3	1.4	1.7
Interest on general debt	3.2	3.3	3.3	3.9	3.8	4.0	4.1	4.1	4.0	4.0
Per capita, total ¹ (dol.)	288	385	646	940	1,087	1,191	1,261	1,355	1,481	1,622
Education	104	147	259	359	416	453	475	506	543	586
Highways	52	63	81	94	107	111	107	113	129	147
Public welfare	24	33	72	117	129	146	160	173	184	201
Health and hospitals	21	28	48	75	89	96	104	114	128	142
Police protection and correction	10	18	30	48	56	62	68	75	81	88
Natural resources	7	9	13	17	20	22	23	19	21	24
Sanitation and sewerage	10	12	17	28	35	38	41	45	54	58
Housing and urban renewal	5	6	11	16	18	15	16	17	21	27
Interest on general debt	9	13	22	36	42	46	52	55	59	65
All other ²	45	56	94	148	177	199	215	236	262	261

¹ See footnote 3, table 462. ² Libraries, Social Insurance Administration, veterans service, airports, water transport, parking facilities, fire protection, protective inspection and regulation, parks and recreation, general control, financial administration, general public buildings, and other and unallocable.
Source: U.S. Bureau of the Census, *Census of Governments: 1977*, vol. 6, No. 4, *Historical Statistics on Government Finances and Employment*; and *Governmental Finances*, series GF No. 5, annual.

NO. 478. STATE AND LOCAL GOVERNMENTS—GENERAL REVENUE, ORIGIN, AND ALLOCATION, 1960 TO 1979, AND BY STATE: 1980

[Local government amounts are estimates subject to sampling variation: see source and Appendix B]

STATE	Total general revenue (mil. dol.)	ORIGINATING LEVEL OF GOVERNMENT ¹						FINAL RECIPIENT LEVEL ²			
		REVENUE (mil. dol.)			Percent			REVENUE (mil. dol.)		Percent	
		Federal	State	Local	Federal	State	Local	State	Local	State	Local
1960.....	50,505	6,974	20,619	22,912	13.8	40.8	45.4	16,081	32,424	35.8	64.2
1965.....	74,001	11,029	30,610	32,362	15.3	41.4	43.7	26,920	47,081	36.4	63.6
1970.....	130,756	21,856	57,507	51,392	16.7	43.8	39.3	50,835	79,921	36.8	63.1
1975.....	228,195	47,054	96,784	84,367	20.6	42.4	37.0	83,543	144,651	36.6	63.4
1978.....	315,990	69,592	136,838	110,730	22.0	42.9	35.0	124,439	191,551	39.4	60.6
1979.....	343,278	75,164	150,906	117,208	21.9	44.0	34.1	133,832	209,447	39.0	61.0
U.S., 1980.....	383,322	83,026	199,268	130,027	21.7	44.3	34.0	162,303	221,019	39.8	60.2
Ala.....	5,306	1,472	2,361	1,453	27.7	44.9	27.4	2,840	2,466	49.8	50.2
Alaska.....	3,567	431	2,831	506	12.1	73.7	14.2	2,715	853	76.1	23.9
Ariz.....	4,366	807	2,009	1,550	18.5	46.0	35.5	1,820	2,746	37.1	62.9
Ark.....	2,898	836	1,379	683	28.8	47.6	23.6	1,512	1,386	52.2	47.8
Calif.....	46,012	9,436	22,346	14,231	20.5	48.6	30.9	14,729	31,283	32.0	68.0
Colo.....	5,086	1,001	2,010	2,055	19.6	39.7	40.6	1,922	3,144	37.9	62.1
Conn.....	5,045	976	2,296	1,774	19.3	45.5	35.2	2,564	2,481	51.2	48.8
Del.....	1,168	279	686	203	23.9	58.7	17.3	709	459	60.7	39.3
D.C.....	2,248	1,148	00	1,100	51.1	00	48.9	(x)	2,248	(x)	100.0
Fla.....	13,241	2,747	6,513	4,981	20.7	41.6	37.6	4,362	6,679	32.9	67.1
Ga.....	8,028	1,927	3,156	2,945	24.0	39.3	36.7	3,143	4,885	39.1	60.9
Hawaii.....	2,048	477	1,293	309	23.3	61.6	15.1	1,805	445	78.3	21.7
Idaho.....	1,362	336	523	383	24.9	46.8	28.3	632	730	46.8	53.2
Ill.....	18,347	4,036	8,175	7,137	20.9	42.3	36.9	7,995	11,452	40.8	59.2
Ind.....	6,878	1,214	3,424	2,237	17.7	49.8	32.5	2,593	4,285	37.7	62.3
Iowa.....	4,747	916	2,176	1,655	19.3	45.8	34.9	1,875	2,872	39.5	60.5
Kans.....	3,736	735	1,574	1,426	19.7	42.1	38.2	1,900	2,136	42.8	57.2
Ky.....	5,032	1,350	2,843	1,039	26.8	52.5	20.6	2,740	2,292	54.5	45.5
La.....	7,055	1,693	3,486	1,874	24.0	49.4	26.6	3,525	3,530	50.0	50.0
Maine.....	1,690	466	767	427	26.9	45.7	28.4	635	745	55.7	44.3
Md.....	7,929	1,672	3,668	2,588	21.1	46.3	32.6	3,496	4,431	44.1	55.9
Mass.....	11,201	2,721	4,851	3,629	24.3	41.5	34.2	4,959	6,243	44.3	55.7
Mich.....	17,464	3,697	7,400	6,126	22.3	42.7	35.0	6,978	10,506	39.6	60.1
Minn.....	6,036	1,565	3,979	2,472	19.7	49.5	30.8	3,137	4,899	39.0	61.0
Miss.....	3,483	1,074	1,553	836	31.0	44.8	24.2	1,834	1,629	47.2	52.8
Mo.....	6,598	1,858	2,514	2,416	25.1	38.2	36.7	2,690	3,908	40.8	59.2
Mont.....	1,501	434	575	492	28.9	36.3	32.6	743	758	49.5	50.5
Neb.....	2,627	472	1,030	1,125	18.0	39.2	42.8	1,109	1,516	42.2	57.8
Nev.....	1,449	302	586	569	20.8	40.6	38.6	546	903	37.7	62.3
N.H.....	1,221	312	416	493	25.5	34.1	40.4	555	666	45.5	54.5
N.J.....	12,667	2,279	5,291	5,116	18.0	41.7	40.3	4,725	7,941	37.2	62.8
N. Mex.....	2,514	554	1,546	414	22.0	61.5	18.5	1,405	1,110	55.8	44.1
N.Y.....	40,820	8,470	14,678	17,673	20.7	36.0	43.3	10,668	29,652	26.6	73.4
N.C.....	7,732	1,859	3,809	1,965	26.3	49.3	25.4	3,557	4,175	48.0	52.0
N. Dak.....	1,249	279	661	310	22.4	62.9	24.6	703	546	56.3	43.7
Ohio.....	14,959	3,061	6,966	5,883	20.6	40.1	39.3	4,780	10,179	32.0	68.0
Okla.....	4,562	968	2,396	1,217	21.9	51.3	26.7	2,396	2,216	51.3	48.7
Oreg.....	5,113	1,268	2,127	1,718	24.8	41.8	33.6	2,204	2,909	43.1	56.9
Pa.....	16,296	3,691	6,423	6,189	20.1	46.0	33.8	7,624	10,671	41.7	58.3
R.I.....	1,696	431	628	437	25.4	48.8	25.8	1,006	690	59.3	40.7
S.C.....	4,021	969	2,066	986	24.1	51.1	24.8	2,169	1,852	54.4	45.6
S. Dak.....	1,107	316	434	357	28.5	39.2	32.3	586	511	53.9	46.1
Tenn.....	6,699	1,567	2,331	1,971	26.9	39.6	33.5	2,808	3,283	44.2	55.8
Texas.....	20,276	3,783	9,010	7,509	18.6	44.4	37.0	8,541	11,735	42.1	57.9
Utah.....	2,265	561	1,052	652	25.4	46.0	28.6	1,126	1,168	49.3	50.7
Vt.....	865	275	385	225	31.1	43.5	25.4	556	329	62.8	37.2
Va.....	7,808	1,726	3,643	2,439	22.1	46.7	31.2	3,521	3,986	46.8	53.1
Wash.....	7,427	1,523	3,594	2,310	20.5	48.4	31.1	3,054	4,372	41.1	58.9
W. Va.....	2,902	806	1,466	631	27.8	60.5	21.7	1,646	1,257	66.7	33.3
Wis.....	6,511	1,763	4,063	2,684	21.0	47.7	31.3	3,171	5,340	37.3	62.7
Wyo.....	1,278	278	566	446	21.6	43.5	34.9	604	673	47.3	52.7

X Not applicable.

¹Before intergovernmental transfers.

²After intergovernmental transfers.

Source: U.S. Bureau of the Census, *Governmental Finances in 1979-80*, series GF 80 No. 8, annual.

No. 477. STATE AND LOCAL GOVERNMENTS—GENERAL REVENUE, BY SOURCE, BY STATE: 1980

[Estimates subject to sampling variation; see source and Appendix III]

STATE	GENERAL REVENUE (mil. dol.)						GENERAL REVENUE PER CAPITA ^a (dol.)						General revenue per \$1,000 of personal income (dol.)
	Total	From Federal Government	From own sources				Total	From Federal Government	From own sources				
			Taxes			Charges and miscellaneous			Taxes		Charges and miscellaneous		
			Total	Property	Other				Total	Property			
U.S.	382,322	83,029	223,463	88,486	154,984	75,830	1,988	367	987	302	336	198	
Ale.	5,308	1,472	2,528	308	2,222	1,305	1,264	378	650	79	336	202	
Alaska	3,567	431	1,876	380	1,316	1,481	8,918	1,077	4,189	900	3,852	783	
Ariz.	4,366	807	2,738	958	1,782	821	1,808	297	1,007	352	302	212	
Ark.	2,896	836	1,495	305	1,190	587	1,268	388	654	134	248	181	
Calif.	46,012	9,438	27,745	6,478	21,267	8,831	1,944	398	1,172	274	373	202	
Colo.	5,086	1,001	2,859	952	1,907	1,206	1,754	348	980	329	418	300	
Conn.	5,045	978	3,328	1,471	1,855	742	1,823	314	1,070	473	238	180	
Del.	1,168	279	830	100	530	258	1,962	488	1,058	167	434	215	
D.C.	2,248	1,148	941	219	722	159	3,524	1,800	1,475	344	250	224	
Fla.	13,241	2,747	7,382	2,184	5,198	3,113	1,358	282	756	224	320	175	
Ga.	8,028	1,927	4,207	1,087	3,120	1,884	1,488	353	770	198	347	208	
Hawaii	2,049	477	1,223	188	1,047	340	2,124	494	1,278	193	352	245	
Idaho	1,352	296	712	214	498	304	1,432	356	764	227	322	197	
Ill.	19,347	4,035	12,375	4,192	8,183	2,937	1,884	353	1,084	367	257	178	
Ind.	8,878	1,214	4,083	1,348	2,734	1,579	1,252	221	744	246	286	148	
Iowa	4,747	916	2,818	1,048	1,770	1,014	1,828	314	957	380	350	188	
Kans.	3,736	736	2,186	864	1,324	812	1,581	311	926	368	344	171	
Ky.	6,032	1,360	2,708	488	2,213	973	1,375	388	740	135	286	188	
La.	7,055	1,883	3,534	488	3,046	1,828	1,678	403	841	111	436	232	
Maine	1,680	488	988	358	630	229	1,483	432	658	318	203	218	
Md.	7,829	1,572	4,656	1,216	3,440	1,800	1,881	397	1,104	288	380	206	
Mass.	11,201	2,721	7,133	2,184	3,948	1,347	1,952	474	1,243	555	235	218	
Mich.	17,484	3,887	9,956	3,833	6,123	3,630	1,888	421	1,075	413	382	202	
Minn.	8,036	1,586	4,586	1,322	3,264	1,865	1,971	388	1,125	324	457	223	
Miss.	3,483	1,074	1,830	354	1,276	780	1,374	428	646	141	301	231	
Mo.	5,588	1,656	3,734	1,058	2,676	1,198	1,340	337	758	215	244	184	
Mont.	1,501	434	787	358	429	280	1,907	551	1,000	455	356	246	
Nebr.	2,627	472	1,512	828	683	642	1,873	301	983	401	408	182	
Nev.	1,448	302	777	205	572	370	1,814	378	972	256	484	186	
N.H.	1,221	312	682	416	267	228	1,328	338	740	451	247	186	
N.J.	12,687	2,279	8,376	3,873	4,703	2,031	1,723	308	1,137	498	276	178	
N. Mex.	2,514	554	1,143	185	958	817	1,934	428	878	142	629	288	
N.Y.	40,820	8,470	26,246	8,791	17,455	6,105	2,325	482	1,494	501	348	254	
N.C.	7,732	1,858	4,385	1,003	3,382	1,378	1,316	333	748	171	235	187	
N. Dak.	1,248	280	559	176	377	417	1,913	428	847	289	639	281	
Ohio	14,958	3,081	8,748	3,034	5,714	3,130	1,388	285	810	281	290	188	
Ola.	4,552	988	2,501	458	2,043	1,054	1,505	330	827	151	348	185	
Oreg.	5,113	1,288	2,577	1,008	1,571	1,268	1,942	481	978	382	482	228	
Pa.	18,286	3,881	11,808	2,958	8,848	3,010	1,542	310	978	249	254	182	
R.I.	1,886	431	940	382	558	325	1,781	455	882	418	343	215	
S.C.	4,021	888	2,208	488	1,711	843	1,288	311	708	180	270	184	
S. Dak.	1,107	318	544	242	302	247	1,804	458	788	351	356	215	
Tenn.	5,889	1,587	3,012	723	2,289	1,290	1,283	348	855	158	281	183	
Texas	20,278	3,783	11,488	3,880	7,488	5,047	1,425	284	805	280	355	172	
Utah	2,285	581	1,227	343	884	477	1,584	398	840	235	326	232	
Vt.	885	275	480	193	287	180	1,732	538	900	377	293	245	
Va.	7,808	1,726	4,574	1,280	3,314	1,508	1,480	323	858	236	282	175	
Wash.	7,427	1,523	4,084	1,200	2,884	1,820	1,708	368	988	290	441	188	
W. Va.	2,802	808	1,552	287	1,265	544	1,488	414	798	137	278	210	
Wis.	8,511	1,783	4,984	1,888	3,288	1,733	1,808	379	1,081	381	388	213	
Wyo.	1,278	275	858	280	578	343	2,712	585	1,388	552	727	288	

^aBased on enumerated resident population as of April 1, 1980.Source: U.S. Bureau of the Census, *Governmental Finances in 1979-80*, series GF80, No. 5.

NO. 476. STATE AND LOCAL GOVERNMENTS—DIRECT GENERAL EXPENDITURE, BY STATE: 1960

STATE	EXPENDITURE (mil. dol.)						EXPENDITURE PER CAPITA ¹ (dollars)					
	Total	Educa- tion	High- ways	Public welfare	Health, hospitals	All other	Total	Educa- tion	High- ways	Public welfare	Health, hospitals	All other
U.S.	387,340	133,211	33,311	46,582	32,174	123,082	1,622	594	147	261	142	544
Ala.	5,160	1,993	518	550	697	1,402	612	133	141	179	361	
Alaska	2,503	725	224	115	60	1,379	6,257	1,812	559	288	150	3,448
Ariz.	4,205	1,829	427	185	298	1,465	1,547	873	157	110	538	
Ark.	2,742	1,065	408	322	288	683	1,200	475	178	141	118	290
Calif.	43,413	15,063	2,312	8,782	2,841	15,636	1,834	636	98	286	154	680
Colo.	4,568	1,824	474	402	384	1,374	1,578	668	164	139	133	476
Conn.	4,919	1,716	357	659	308	1,862	1,583	552	115	212	99	605
Del.	1,077	436	89	98	49	394	1,809	732	187	185	83	662
D.C.	1,897	363	75	333	176	928	2,972	801	118	521	279	1,453
Fla.	12,754	4,488	1,202	761	1,512	4,793	1,308	461	123	78	155	492
Ga.	7,463	2,602	821	707	1,180	2,153	1,366	476	150	129	216	395
Hawaii	1,577	560	130	232	137	616	1,945	580	135	240	142	848
Idaho	1,289	484	171	118	118	401	612	181	123	125	425	
Ill.	18,122	6,407	1,839	2,543	1,182	6,181	1,567	561	161	223	101	541
Ind.	6,627	2,920	693	663	733	1,818	1,243	532	126	121	133	331
Iowa	4,911	2,033	698	560	606	1,124	1,668	698	240	169	174	385
Kans.	3,746	1,377	570	374	393	1,124	1,588	583	241	158	128	476
Ky.	5,406	1,854	982	648	334	1,589	1,477	506	268	177	91	435
La.	8,868	2,243	794	646	749	2,127	1,580	534	189	154	178	505
Maine	1,581	544	211	264	72	490	1,405	484	168	236	64	434
Md.	7,626	2,691	679	756	608	2,882	1,806	638	161	179	144	667
Mass.	10,361	3,230	817	1,801	848	3,806	1,796	563	106	314	148	663
Mich.	17,402	6,443	1,283	2,708	1,620	5,370	1,880	666	136	262	175	581
Minn.	7,724	2,658	882	1,036	641	2,496	1,894	619	219	254	157	512
Miss.	3,412	1,266	483	383	434	828	1,354	502	186	158	172	329
Mo.	6,296	2,325	701	659	670	1,939	1,280	473	143	134	136	304
Mont.	1,392	544	245	108	76	420	1,769	691	311	137	96	534
Nebr.	2,425	873	380	191	225	677	1,544	620	229	122	143	430
Nev.	1,492	460	168	77	142	625	1,667	575	236	96	178	762
N.H.	1,234	433	177	189	59	367	1,340	470	182	182	64	432
N.J.	12,427	4,452	780	1,532	796	3,867	1,606	505	106	206	108	561
N. Mex.	2,156	924	253	166	177	636	1,666	711	194	126	136	468
N.Y.	39,880	11,774	2,180	8,287	3,459	15,010	1,301	542	120	131	124	364
N.C.	7,639	3,186	702	789	728	2,254	1,301	542	120	131	124	364
N. Dak.	1,201	427	199	92	53	433	1,840	653	303	140	81	663
Ohio	15,447	5,929	1,181	1,628	1,625	4,885	1,431	549	109	189	150	454
Ola.	4,255	1,683	454	546	354	1,215	1,408	566	150	181	117	402
Oreg.	5,001	1,825	479	476	287	1,840	1,899	731	186	181	109	468
Pa.	17,430	6,123	1,129	2,803	1,113	6,262	1,489	516	95	236	94	529
R.I.	1,991	549	84	299	140	1,063	1,754	580	89	315	148	622
S.C.	3,958	1,699	287	363	565	1,048	1,269	545	92	116	181	335
S. Dak.	1,065	399	206	106	80	335	1,291	460	150	130	106	386
Tenn.	5,929	2,113	689	596	762	1,989	1,291	460	150	130	106	386
Texas	18,976	6,238	2,265	1,501	1,780	5,572	1,362	579	161	105	125	362
Utah	2,359	1,074	278	188	148	670	1,615	735	181	129	102	458
Vt.	818	321	100	95	44	256	1,600	628	196	167	87	502
Va.	7,700	2,910	895	788	683	2,405	1,440	544	175	144	128	449
Wash.	7,369	3,009	802	788	451	2,308	1,762	729	164	191	109	569
W. Va.	2,966	1,068	602	293	211	832	1,521	548	308	130	108	427
Wis.	8,484	3,298	917	1,228	611	2,370	1,799	700	196	261	140	503
Wyo.	1,100	490	180	43	11	351	2,336	914	111	91	204	745

¹ Based on enumerated resident population as of April 1, 1960.Source: U.S. Bureau of the Census, *Governmental Finances in 1979-80*, series GF80, No. 5.

NO. 476. NEW ISSUES OF STATE AND LOCAL GOVERNMENT SECURITIES: 1970 TO 1981

[In billions of dollars]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981
All issues, new capital and refunding ¹	16.2	24.3	30.6	35.3	48.6	48.6	43.5	48.5	47.7
General obligations	11.9	13.8	16.0	18.0	16.0	17.9	12.1	14.1	12.4
Revenue	6.1	10.2	14.5	17.1	28.7	30.7	31.3	34.3	35.3
Type of issuer: State	4.2	4.8	7.4	7.1	6.4	6.6	4.3	5.3	5.3
Special district and statutory authority	5.6	8.6	12.4	15.5	21.7	24.2	23.4	27.0	27.5
Municipalities, counties, townships ²	6.4	10.6	10.7	12.8	18.6	17.7	15.8	16.1	14.9
Issues for new capital, total	18.1	23.5	29.5	32.1	39.2	37.5	41.5	46.1	46.5

¹ 1970 and 1974 include U.S. bonds and U.S. Government loans; thereafter, includes U.S. Government loans only. ² Includes school districts.Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest*, and *Federal Reserve Bulletin*, monthly.

**NO. 480. STATE AND LOCAL GOVERNMENTS—INDEBTEDNESS AND DEBT TRANSACTIONS:
1970 TO 1980**

(In billions of dollars, except per capita. Local government amounts are estimates subject to sampling variation; see source.
See *Historical Statistics, Colonial Times to 1970*, series Y 680, Y 747, and Y 794, for debt outstanding)

ITEM	DEBT OUTSTANDING						LONG-TERM		
	Total	Per capita ¹ (dol.)	Long-term			Short-term	Net long-term	Debt issued	Debt retired
			Local schools	Utilities ²	All other				
1970: Total	143.6	704	31.5	19.6	80.3	12.2	121.7	12.6	7.0
State	84.8	208	3.0	(NA)	35.9	3.1	34.5	3.9	1.9
Local	101.6	498	28.6	19.6	44.4	9.1	87.3	8.9	5.1
1975: Total	219.9	1,032	40.5	30.0	129.6	19.8	183.4	21.1	10.9
State	72.1	338	3.9	(NA)	63.7	4.6	58.4	6.4	2.9
Local	147.7	693	36.6	30.0	65.9	15.2	125.0	12.7	8.0
1976: Total	240.5	1,121	41.1	30.8	148.9	16.8	195.7	31.7	11.3
State	84.8	396	4.0	(NA)	74.8	6.0	62.9	13.9	3.0
Local	155.7	725	37.0	30.8	76.1	12.8	132.8	17.8	8.4
1977: Total	259.7	1,200	38.0	40.2	169.5	12.8	214.9	34.4	13.8
State	90.2	417	4.0	3.3	79.8	3.0	67.5	12.4	4.0
Local	169.5	783	33.9	36.6	86.7	9.8	147.3	22.0	9.5
1978: Total	280.4	1,288	33.0	42.4	193.6	11.4	225.2	40.0	16.7
State	102.8	472	4.1	3.7	91.9	2.9	72.1	17.0	5.9
Local	177.9	814	28.9	38.7	101.7	8.5	153.1	23.0	10.8
1979: Total	304.1	1,382	31.8	49.6	210.9	11.8	248.6	42.1	27.1
State	111.7	509	4.0	4.3	101.1	2.3	81.2	16.9	6.0
Local	192.4	873	27.8	45.3	109.8	9.5	167.3	25.2	19.1
1980: Total	335.6	1,482	32.3	55.2	235.0	13.1	262.9	42.4	17.4
State	122.0	548	3.8	4.6	111.5	2.1	79.8	18.4	5.7
Local	213.6	942	28.5	50.6	123.5	11.0	183.1	25.9	11.7

NA Not available. ¹1975-1979 based on estimated resident population as of July 1, 1970 and 1980 based on enumerated resident population as of April 1. ²Beginning 1977, data for State governments classified as "utility," rather than in "All other."

Source: U.S. Bureau of the Census, *Governmental Finances*, series GF No. 5, annual, and unpublished data.

NO. 481. STATE AND LOCAL GOVERNMENTS—DEBT OUTSTANDING, BY STATES: 1975 to 1980

(As of end of fiscal year)

STATE	TOTAL DEBT (mil. dol.)			PER CAPITA ¹ (dol.)			STATE	TOTAL DEBT (mil. dol.)			PER CAPITA ¹ (dol.)		
	1975	1979	1980	1975	1979	1980		1975	1979	1980	1975	1979	1980
U.S.	219,926	304,103	335,603	1,032	1,382	1,482	Mo.	2,818	3,395	4,230	592	698	860
Ala.	2,844	3,949	4,082	767	1,048	1,049	Mont.	394	682	853	527	881	1,063
Alaska	1,230	3,718	4,039	3,493	9,158	10,098	Nebr.	2,322	4,289	4,604	1,502	2,612	2,933
Ariz.	2,054	3,394	4,752	823	1,385	1,746	Nev.	598	1,023	1,315	1,007	1,457	1,645
Ark.	1,089	1,366	2,017	514	627	883	N.H.	608	1,127	1,295	743	1,271	1,406
Calif.	20,079	22,340	24,209	948	984	1,023	N.J.	8,840	11,211	12,817	1,208	1,529	1,713
Colo.	1,943	3,000	3,801	767	1,082	1,316	N. Mex.	649	1,616	1,893	566	1,302	1,456
Conn.	4,848	5,496	5,787	1,588	1,784	1,862	N.Y.	39,111	46,687	48,498	2,158	2,645	2,846
Del.	973	1,288	1,822	1,680	2,230	2,726	N.C.	2,327	3,504	4,417	427	625	752
D.C.	2,318	2,671	2,656	3,235	4,072	4,186	N. Dak.	283	610	826	445	828	1,265
Fla.	6,553	9,815	10,474	784	1,106	1,075	Ohio	8,119	9,846	10,481	755	916	971
Ga.	3,782	5,734	6,205	764	1,101	1,136	Okl.	2,262	3,115	3,374	842	1,077	1,115
Hawaii	1,452	2,033	2,181	1,678	2,222	2,280	Oreg.	2,899	5,652	7,026	1,287	2,237	2,668
Idaho	252	504	672	307	557	712	Pa.	14,644	19,845	20,393	1,238	1,692	1,718
Ill.	8,961	13,570	15,283	804	1,208	1,336	R.I.	821	1,681	2,028	994	1,809	2,142
Ind.	2,683	3,526	3,925	501	653	715	S.C.	1,889	2,932	3,348	670	999	1,073
Iowa	1,308	1,892	2,295	456	652	786	S. Dak.	195	887	1,134	285	1,256	1,643
Kans.	1,828	2,620	3,277	608	1,106	1,367	Tenn.	3,780	5,131	6,040	902	1,172	1,316
Ky.	3,655	8,828	7,422	1,136	1,927	2,027	Texas	11,213	17,689	20,860	916	1,322	1,452
La.	3,895	6,027	7,089	1,054	1,450	1,686	Utah	549	1,198	1,414	455	876	988
Maine	786	1,255	1,339	742	1,144	1,190	Vt.	828	850	789	1,334	1,316	1,544
Md.	5,076	7,337	7,501	1,239	1,789	1,779	Va.	3,659	5,319	5,863	737	1,023	1,097
Mass.	7,700	9,792	10,237	1,321	1,693	1,784	Wash.	6,355	10,549	11,625	1,793	2,887	2,815
Mich.	8,480	10,172	11,118	928	1,105	1,201	W. Va.	1,572	2,817	3,247	872	1,500	1,865
Minn.	4,182	8,323	8,680	1,085	1,557	2,129	Wis.	3,152	5,189	5,873	684	1,099	1,206
Miss.	1,517	2,021	2,131	647	832	845	Wyo.	382	785	1,187	1,022	1,745	2,477

¹1975 and 1979 based on Bureau of the Census estimated resident population as of July 1, 1980 based on enumerated resident population as of April 1.

Source: U.S. Bureau of the Census, *Governmental Finances*, series GF No. 5, annual, and unpublished data.

No. 482. STATE GOVERNMENTS—SUMMARY OF FINANCES: 1960 TO 1980

(See also *Historical Statistics, Colonial Times to 1970*, series Y 710-782)

ITEM	TOTAL (mil. dol.)							PER CAPITA ¹	
	1966	1968	1970	1975	1976	1978	1980	1970	1980
Borrowing and revenue	36,149	51,784	53,483	106,888	126,475	262,848	293,898	8461	61,300
Borrowing	2,312	2,957	4,524	9,863	13,464	16,844	16,734	22	74
Revenue	32,636	48,827	48,959	157,023	225,011	247,004	278,962	439	1,226
General revenue	27,363	40,930	77,755	134,611	189,099	207,893	233,562	364	1,034
Taxes	18,036	26,126	47,862	80,155	113,261	124,906	137,075	237	607
Sales and gross receipts	10,510	15,059	27,254	43,346	58,270	63,888	67,855	136	300
General	4,302	6,711	14,177	24,780	35,280	39,505	43,168	70	191
Motor fuels	3,335	4,300	6,283	9,255	9,501	9,980	9,722	31	43
Alcoholic beverages	850	917	1,420	1,963	2,286	2,400	2,476	7	11
Tobacco products	923	1,284	2,308	3,286	3,654	3,840	3,738	11	17
Other	1,300	1,847	3,085	5,081	7,549	6,142	6,750	15	39
Licenses	2,495	3,218	4,615	6,289	7,654	9,215	8,890	23	38
Motor vehicles	1,468	1,889	2,728	3,655	4,473	4,779	4,936	13	22
Corporations in general	426	528	784	1,041	1,138	1,262	1,368	4	6
Other	602	819	1,123	1,592	2,043	2,173	2,306	6	11
Individual income	2,209	3,657	9,183	18,619	29,106	32,622	37,099	45	184
Corporation net income	1,180	1,929	3,738	6,642	10,736	12,128	13,321	18	■
Property	807	796	1,062	1,451	2,366	■	2,892	8	13
Other	1,034	1,496	2,081	3,607	5,129	5,764	7,227	10	31
Charges and miscellaneous	2,583	4,483	9,545	16,629	22,377	25,986	■	47	149
Intergovernmental revenue	6,745	10,320	20,248	37,627	53,461	57,087	64,320	100	284
From Federal Government	6,562	9,874	19,252	36,148	50,200	54,548	61,892	95	274
Public welfare	2,048	3,133	7,618	14,247	20,007	22,313	24,880	39	■
Education	727	1,393	4,554	7,879	9,819	10,710	12,785	23	67
Highways	2,683	3,987	4,431	5,260	6,301	7,015	8,880	22	■
Other	725	1,358	2,450	6,781	14,072	14,510	15,587	12	69
From local governments	363	447	895	1,680	3,261	2,539	2,434	5	11
Liquor stores revenue	1,126	1,270	1,748	2,129	2,388	2,504	2,786	9	12
Insurance trust revenue	4,347	6,627	9,437	20,293	32,562	36,370	39,301	47	174
Utility revenue ²	(NA)	(NA)	(NA)	(NA)	982	1,137	1,304	(NA)	■
Debt outstanding, yearend	16,543	27,034	42,006	72,127	102,888	111,746	121,968	289	540
Long-term	16,128	26,235	36,903	67,546	99,671	109,449	119,621	192	530
Full faith and credit	8,912	11,819	17,736	33,736	46,316	48,286	49,364	88	■
Nonguaranteed	9,216	14,415	21,167	33,812	63,356	61,163	70,457	105	312
Short-term	415	800	3,104	4,579	2,897	■	2,137	15	9
Net long-term	15,595	22,504	34,478	58,368	72,089	81,336	79,810	170	369
Full faith and credit only	6,711	9,094	14,832	29,503	39,147	40,401	39,357	73	174
Expenditure and debt redemption	32,496	48,798	67,151	161,804	206,533	239,163	263,634	430	1,166
Debt redemption	900	1,130	2,096	2,922	4,701	5,487	6,022	10	27
Expenditure	31,596	46,639	65,055	158,882	203,832	224,666	257,612	420	1,141
General expenditure ²	27,228	40,446	77,642	136,303	179,602	200,534	226,223	394	1,010
Public welfare	3,704	5,434	13,208	25,559	35,776	38,893	44,219	65	198
Education	8,657	14,532	30,866	54,012	69,702	77,722	87,939	152	389
Highways	7,217	9,844	13,483	17,483	18,479	21,228	■	87	111
Health and hospitals	2,072	2,943	5,355	10,158	13,864	15,529	17,855	26	79
State hospitals	1,616	2,254	3,941	6,891	8,979	9,922	11,016	19	49
Other hospitals and health	454	689	1,415	3,267	4,905	5,607	■	7	30
Housing and urban renewal	39	80	120	632	337	424	601	1	3
Natural resources	892	1,381	2,223	3,554	3,411	3,808	4,346	11	■
Correction	433	652	1,104	2,209	3,275	3,770	4,448	5	20
Police protection	251	362	741	1,423	1,826	2,034	2,263	4	10
Employment security	313	457	767	1,509	1,757	1,789	2,001	4	9
Financial administration	447	609	1,032	1,792	2,482	2,723	3,091	5	13
General control	216	350	717	1,496	2,331	2,612	3,232	4	14
Misc. and unallocable	2,722	3,810	8,029	16,483	26,542	29,791	33,242	40	147
Liquor stores expenditure	907	1,022	1,404	1,719	1,991	2,086	2,206	7	10
Insurance trust expenditure	3,481	4,170	6,010	18,660	20,495	20,107	24,981	30	111
Utility expenditure ²	(NA)	(NA)	(NA)	(NA)	1,544	1,957	2,401	(NA)	11
By character and object									
Intergovernmental expenditure	6,433	14,174	28,682	51,976	67,267	75,975	84,504	143	374
Direct expenditure	22,162	31,466	58,183	106,905	■	148,691	173,307	277	767
Current operation	9,534	14,930	30,971	60,793	■	94,533	108,131	153	479
Capital outlay ³	6,607	9,307	13,295	17,307	16,084	19,124	23,325	69	109
Construction	5,509	7,800	11,185	14,443	13,280	15,930	19,738	55	87
Land and existing structures	802	1,176	1,240	1,475	1,171	1,229	1,346	6	8
Equipment	298	531	870	1,368	1,633	1,905	2,243	4	10
Assistance and subsidies	2,015	2,236	4,367	6,673	6,341	6,876	9,516	22	■
Interest on debt	638	822	1,499	3,272	5,493	6,046	7,062	7	31
Insurance benefits and repayments	3,461	4,170	6,010	18,660	20,495	20,107	24,981	■	111

NA Not available. ¹Based on estimated resident population as of July 1, except for 1960 based on enumerated resident population as of April 1. ²For 1978 and subsequent fiscal years, utility revenue and expenditure have been compiled separately and not included with general revenue and expenditure. ³Intergovernmental and direct.

Source: U.S. Bureau of the Census, *Census of Governments: 1977*, vol. 6, No. 4, *Historical Statistics on Governmental Finances and Employment*; and *State Government Finances*, series GF No. 3, annual.

No. 483. STATE GOVERNMENTS—REVENUE.

[In millions of dollars, except as indicated. For years ending June 30,

STATE	Total rev- enue ¹	GENERAL REVENUE								DEBT OUT- STAND- ING
		Total		Per capita ²		Intergovernmental revenue		Taxes ³	Charges and miscel- laneous	Total
		Amount	Rank	Total (dol.)	Rank	From Federal Govern- ment	From local govern- ments			
U.S.....	276,962	233,662	(x)	1,034	(x)	61,862	2,434	137,075	32,199	121,886
Ala.....	4,154	3,634	22	934	37	1,232	20	1,857	524	1,032
Alaska.....	3,230	3,011	27	7,529	1	378	2	1,438	1,193	1,545
Ariz.....	3,187	2,566	31	944	35	541	16	1,664	324	94
Ark.....	2,295	2,103	35	920	39	715	8	1,161	218	363
Calif.....	36,067	29,603	1	1,251	10	7,079	178	19,367	2,979	6,362
Colo.....	3,366	2,792	30	966	33	766	13	1,491	520	480
Conn.....	3,472	3,111	25	1,001	26	604	12	1,640	455	3,879
Del.....	970	893	45	1,500	5	205	1	516	170	1,044
Fla.....	6,223	7,304	8	750	48	1,742	48	4,804	709	2,627
Ga.....	5,194	4,563	18	839	43	1,417	11	2,729	427	1,405
Hawaii.....	1,895	1,637	37	1,896	3	368	5	998	265	1,864
Idaho.....	1,106	917	43	972	30	262	3	490	142	327
Ill.....	12,730	11,045	5	967	32	2,784	108	7,073	1,102	6,277
Ind.....	4,794	4,323	19	787	45	663	16	2,896	729	808
Iowa.....	3,479	2,956	26	1,015	27	744	38	1,747	429	361
Kans.....	2,419	2,182	34	915	40	577	10	1,270	304	438
Ky.....	4,166	3,744	20	1,023	25	1,069	11	2,145	496	3,035
La.....	5,412	4,792	17	1,140	16	1,302	2	2,397	1,091	2,977
Maine.....	1,369	1,176	41	1,046	22	401	10	619	146	730
Md.....	5,564	4,833	15	1,145	17	1,154	10	2,761	906	3,502
Mass.....	7,457	6,749	10	1,176	14	1,905	193	3,927	724	5,785
Mich.....	12,357	10,277	6	1,110	20	2,729	88	5,946	1,513	2,916
Minn.....	5,700	5,253	13	1,266	7	1,223	52	3,203	776	2,070
Miss.....	2,865	2,482	32	965	29	913	16	1,257	295	815
Mo.....	4,256	3,670	21	746	49	1,155	1	2,096	420	1,016
Mont.....	1,153	946	42	1,202	12	364	6	438	139	310
Nebr.....	1,506	1,420	39	904	42	361	28	817	213	199
Nev.....	1,221	629	46	1,038	23	234	8	477	111	526
N.H.....	694	672	50	730	50	241	15	267	149	669
N.J.....	8,822	7,148	9	971	31	1,766	69	4,266	1,025	6,527
N. Mex.....	2,183	1,964	36	1,526	4	422	16	926	620	706
N.Y.....	27,199	22,051	2	1,256	8	6,574	800	12,716	1,981	23,640
N.C.....	6,202	5,370	12	914	41	1,483	79	3,215	593	1,266
N. Dak.....	1,013	907	44	1,369	6	231	16	372	269	219
Ohio.....	12,160	8,231	7	762	47	2,156	60	4,767	1,226	4,015
Okla.....	3,433	3,135	24	1,036	24	776	22	1,776	561	1,526
Oreg.....	4,041	3,079	26	1,170	16	927	26	1,455	671	4,665
Pa.....	14,004	11,277	4	950	34	2,775	79	7,241	1,182	6,348
R.I.....	1,393	1,187	40	1,253	9	355	4	551	277	1,483
S.C.....	3,484	2,906	29	932	38	617	33	1,678	376	1,937
S. Dak.....	762	703	48	1,019	26	262	8	271	163	714
Tenn.....	4,026	3,572	23	776	46	1,206	33	1,867	444	1,406
Texas.....	12,924	11,927	3	836	44	2,696	19	6,759	2,251	2,469
Utah.....	1,669	1,556	38	1,066	21	497	9	766	266	537
Vt.....	711	630	49	1,233	11	242	3	267	119	654
Va.....	5,656	5,034	14	942	36	1,333	56	2,743	900	1,926
Wash.....	6,324	4,631	16	1,170	15	1,153	64	2,917	676	1,600
W. Va.....	2,840	2,179	33	1,117	19	711	2	1,219	245	1,616
Wis.....	6,566	5,596	11	1,169	13	1,491	42	3,366	697	2,446
Wyo.....	937	802	47	1,702	2	243	2	366	166	363

X Not applicable.

¹Includes liquor stores and insurance trust activities, not shown separately.

²Based on enumerated resident population as of April 1.

³For details, see table 484.

Debt, and Expenditure by States: 1960

except as follows: Alabama and Michigan, Sept. 30; New York, Mar. 31; and Texas, Aug. 31]

DEBT OUT- STANDING— Con.		Total expendi- ture *	GENERAL EXPENDITURES								STATE
						Selected functions					
			Amount	Rank	Per capita * (dol.)	Educa- tion	High- ways	Public welfare	Health and hospi- tals	Natural re- sources	
Total (dol.)	Rank										
540	(x)	257,512	228,222	(x)	1,010	87,839	25,044	44,220	17,865	4,348	U.S.
285	39	4,002	3,579	22	920	1,111	406	544	111	75	Ala.
3,061	1	2,033	1,931	35	4,827	589	174	115	48	105	Alaska
35	50	2,637	2,447	31	900	1,182	337	150	155	35	Ariz.
159	48	2,148	1,998	34	872	781	378	319	140	57	Ark.
353	32	32,812	29,427	1	1,243	1,111	1,551	7,572	1,708	803	Calif.
159	45	2,805	2,581	29	893	1,243	336	379	205	59	Colo.
1,248	8	3,341	2,957	25	952	828	247	830	278	27	Conn.
1,755	4	886	820	45	1,378	1,111	88	99	49	13	Del.
270	■	7,387	7,005	9	719	3,147	947	705	835	218	Fla.
257	40	4,901	4,574	17	837	1,985	702	702	400	119	Ga.
1,932	2	1,980	1,539	38	1,585	559	102	239	132	52	Hawaii
347	23	1,041	917	42	971	376	145	113	50	43	Idaho
580	21	12,429	11,045	3	967	4,044	1,352	2,583	647	125	Ill.
111	49	4,887	4,448	19	810	1,842	845	574	317	90	Ind.
121	47	3,412	3,107	24	1,087	1,319	481	512	228	72	Iowa
185	43	2,254	2,104	33	890	871	379	388	152	60	Kans.
829	15	4,589	4,213	20	1,151	1,588	904	837	256	88	Ky.
708	17	4,987	4,463	18	1,082	1,884	822	1,111	445	114	La.
649	19	1,328	1,143	41	1,016	389	151	286	81	48	Maine
631	14	5,435	4,740	16	1,124	1,478	728	749	502	52	Md.
1,008	10	7,338	6,715	■	1,170	1,714	423	1,111	813	41	Mass.
315	36	12,834	10,513	5	1,136	3,543	987	2,843	864	130	Mich.
508	25	5,418	5,086	13	1,243	1,111	543	843	325	135	Minn.
323	35	2,891	2,480	30	976	1,010	371	385	176	71	Miss.
207	42	3,998	3,617	21	738	1,410	530	861	337	102	Mo.
303	27	1,005	864	43	1,087	279	187	85	51	45	Mont.
127	48	1,392	1,341	39	854	416	265	191	118	54	Nebr.
681	18	1,098	817	■	1,023	354	150	75	42	18	Nev.
876	11	889	735	47	798	190	129	135	55	14	N.H.
889	13	8,537	7,288	8	980	2,305	435	1,490	570	123	N.J.
544	22	1,744	1,683	38	1,279	753	206	182	135	41	N. Mex.
1,348	6	24,978	21,345	2	1,216	8,441	1,115	5,284	1,935	105	N.Y.
215	41	6,733	5,340	12	909	2,500	631	729	446	124	N.C.
336	34	910	854	44	1,307	312	138	88	49	32	N. Dak.
372	29	11,397	■	7	816	3,888	630	1,651	971	123	Ohio
504	28	3,249	2,868	27	946	1,243	375	563	203	50	Okla.
1,858	3	3,458	2,967	25	1,135	1,037	1,111	454	212	■	Oreg.
535	23	12,844	10,318	6	889	3,695	888	2,729	915	156	Pa.
1,545	5	1,361	1,184	40	1,259	1,111	52	304	111	9	R.I.
621	20	3,325	2,799	28	888	1,264	270	1,111	289	65	S.C.
1,036	9	740	712	49	1,032	206	144	101	40	28	S. Dak.
308	37	3,874	3,543	23	772	1,418	610	570	289	72	Tenn.
174	44	11,487	10,815	4	780	5,518	1,888	1,455	823	174	Texas
388	30	1,755	1,597	37	1,083	750	229	187	118	49	Utah
1,280	7	676	608	50	1,180	206	73	1,111	43	19	Vt.
380	31	5,393	4,919	14	920	1,888	834	897	581	85	Va.
388	26	5,715	4,856	15	1,176	2,295	618	1,111	253	153	Wash.
932	12	2,879	2,283	32	1,181	813	577	249	124	48	W. Va.
520	24	6,074	5,574	11	1,185	1,878	510	1,233	333	97	Wis.
770	16	797	720	46	1,528	223	1,111	43	33	24	Wyo.

*Includes amounts not shown separately.

Source: U.S. Bureau of the Census, *State Government Finances in 1960*, series GF80, No. 3.

No. 484. STATE GOVERNMENT TAX COLLECTIONS, 1981, AND EXCISE TAXES, 1982, BY TYPE OF TAX—STATES

[Collections include local shares of State-imposed taxes. Excise taxes as of July 1]

STATE	STATE TAX COLLECTIONS (mil. dol.)								EXCISE TAXES ²		
	Total ¹	Sales and gross receipts				Individual income	Corporation net income	Motor vehicle and operators' licenses	General sales and gross receipts (percent)	Cigarettes (cents per package)	Gasoline (cents per gal.)
		Total ¹	General sales or gross receipts ¹	Motor fuels	Alcoholic beverages and tobacco products						
U.S. ³	148,739	72,781	48,412	9,734	6,607	40,886	14,143	5,895	(x)	(x)	(x)
Ala	2,148	1,264	595	242	161	516	99	48	⁴ 4	16	11
Alaska	2,317	53	(x)	23	13	7	895	11	⁴ (x)	8	8
Ariz	1,788	1,054	606	120	63	384	127	70	⁴ 4 E	13	10
Ark	1,189	656	399	133	75	312	81	76	⁴ 3	17.5	9.5
Calif	20,505	9,207	7,262	839	426	6,589	2,731	463	⁴ 4.75 E	10	7
Colo	1,446	751	530	108	61	438	103	58	⁴ 3 E	10	9
Conn	2,072	1,511	917	151	101	118	249	95	7.5 E	21	11
D.C. ³	1,131	390	238	18	18	319	67	18	6 E	13	¹⁴ 14
Del	551	79	(x)	29	18	262	33	24	(x)	14	¹¹ 11
Fla	5,314	3,909	2,543	421	567	(x)	402	268	5 E	21	8
Ga	3,020	1,610	1,009	349	182	1,036	252	55	⁴ 3	12	7.5
Hawaii	1,066	678	549	34	21	335	53	8	⁴ 4	(⁷)	^{8.5} 8.5
Idaho	537	229	145	51	16	186	51	38	3 C	9.1	12.5
Ill	7,323	3,600	2,333	368	256	2,037	835	381	⁴ 4	12	7.5
Ind	2,809	1,797	1,361	259	120	843	155	106	⁴ 4 E	10.5	^{11.1} 11.1
Iowa	1,636	788	515	157	87	673	138	150	3 E	18	13
Kans	1,392	668	449	115	86	415	150	74	⁴ 3	11	8
Ky	2,276	1,048	830	181	38	573	155	58	⁴ 5 E	3	^{9.8} 9.8
La	2,606	1,328	859	188	118	166	267	64	⁴ 3 E	11	8
Maine	674	372	238	49	53	177	39	35	5 E	16	9
Md	2,958	1,330	754	187	103	1,206	156	90	5 E	13	11
Mass	4,336	1,506	860	238	233	2,058	536	105	5 E	21	^{10.4} 10.4
Mich	6,177	2,601	1,793	438	233	2,028	944	236	4 E	21	11
Minn	3,374	1,266	667	231	144	1,396	332	150	⁴ 5 E	18	13
Miss	1,397	950	724	119	68	191	64	35	5	11	9
Mo	2,143	1,127	787	186	86	670	128	115	⁴ 3.125	13	7
Mont	467	95	(x)	49	26	146	53	23	(x)	12	9
Nebr	604	468	281	115	36	201	54	46	⁴ 3.5 C	18	^{13.7} 13.7
Nev	515	425	203	35	24	(x)	(x)	26	⁴ 10 5.75 E	10	10.25
N.H	269	134	(x)	47	31	13	57	25	(x)	12	14
N.J	5,029	2,564	1,264	285	235	1,148	575	276	5 E	24	8
N. Mex	1,179	665	516	79	24	71	54	37	⁴ 11 3.5	12	¹⁰ 10
N.Y	13,918	4,814	2,965	450	484	6,612	1,525	324	⁴ 4 E	15	8
N.C	3,431	1,496	739	283	129	1,304	290	142	⁴ 3	2	12
N. Dak	451	197	130	32	16	62	41	26	3 E	12	8
Ohio	5,241	2,940	1,636	374	303	1,134	491	338	⁴ 5 E	14	^{11.7} 11.7
Okla	2,232	774	383	129	119	494	129	139	⁴ 2	18	6.66
Oreg	1,606	187	(x)	89	44	1,005	156	112	(x)	19	6
Pa	7,597	3,674	2,088	579	379	1,885	822	376	8 E	18	11
R.I	606	314	178	39	33	193	50	19	6 E	23	¹⁰ 10
S.C	1,826	1,000	616	185	116	571	153	40	4	7	13
S. Dak	296	254	158	52	18	(x)	4	18	⁴ 12 4	15	13
Tenn	1,958	1,464	1,044	220	130	36	195	102	⁴ 4.5	13	9
Tex	8,174	5,028	2,964	481	576	(x)	(x)	340	⁴ 4 E	18.5	5
Utah	849	469	350	70	19	295	41	21	⁴ 4	12	11
Vt	294	137	45	21	24	99	23	23	4 E	12	11
Va	3,027	1,311	645	313	98	1,239	182	116	⁴ 3	2.5	11
Wash	3,128	2,315	1,716	247	170	(x)	(x)	95	⁴ 5.4 E	20.8	¹² 12
W. Va	1,270	870	624	98	43	266	32	52	5 E	17	10.5
Wis	3,629	1,379	901	210	130	1,655	256	132	⁴ 5 E	25	13
Wyo	489	250	197	38	7	(x)	(x)	34	⁴ 12 3	8	8

X Not applicable. ¹Includes amounts for types of taxes not shown separately. ²Source: Advisory Commission on Intergovernmental Relations, Wash., D.C. *Significant Features: Fiscal Federalism*, annual; C=income tax credit provided; E=food exempt from sales tax. ³D.C. excluded from U.S. total. ⁴Excludes State-collected supplemental local sales taxes imposed by local governments under State enabling legislation, as well as locally administered taxes. ⁵Gasoline tax rate that varies with the wholesale price of gasoline. ⁶Effective Jan. 1, 1974, a general excise tax credit replaced the consumer, educational, drug and medical, and rental tax credits. ⁷40% of wholesale price. ⁸Combined State and local rates per gallon, in cents: Hawaii, 13.5; Honolulu, 15; Kauai, 12.5; and Maui, 14.5. ⁹Food is taxed at a reduced rate, 2% rather than 4%. ¹⁰Includes mandatory State-imposed 3.75% county sales taxes. ¹¹An income tax credit is provided for all State-local taxes paid plus a food tax credit equal to \$40 for each exemption allowed for Federal income tax purposes. ¹²A sales tax credit based on Federal adjusted gross income is provided for elderly and disabled persons. ¹³A sales and use tax refund is provided for low-income elderly and disabled persons.

Source: Except as noted, U.S. Bureau of the Census, *State Government Tax Collections in 1981*, series GF81, No. 1.

No. 485. STATE GOVERNMENT INDIVIDUAL INCOME TAXES: 1981

[As of Dec. 31. Only basic rates, brackets and exemptions are shown. Taxable income rates and brackets apply to single individuals; other schedules may be used for married taxpayers filing jointly or separately and/or heads of households in California, Georgia, Hawaii, Idaho, Kansas, Maine, New Mexico, Oklahoma, Oregon, Utah, and West Virginia.]

STATE	Taxable income rates (range in percent)	TAXABLE INCOME BRACKETS		PERSONAL EXEMPTIONS ¹			SIZE OF STANDARD DEDUCTION			Federal income tax deductible
		Lowest amount under	Highest amount over	Single	Married-joint return	Dependents	Per-cent	Single	Married-joint return	
Ala.	1.5-5.0	\$1,000	\$5,000	\$1,500	\$3,000	\$300	10	\$1,000	\$1,000	Yes
Ariz.	2.0-8.0	1,000	6,000	² 1,589	² 3,178	² 654	² 14	² 795	² 1,589	Yes
Ark.	1.0-7.0	2,999	25,000	³ 18	³ 35	³ 8	10	1,000	1,000	No
Calif.	⁴ 1.0-11.0	2,850	22,140	⁴ 32	⁴ 64	⁴ 10	(x)	⁴ 1,400	⁴ 2,800	No
Colo. ⁵	2.5-8.0	⁶ 1,335	⁶ 13,352	⁶ 1,135	⁶ 2,270	⁶ 1,135	(x)	⁶ 1,335	⁶ 1,335	Yes
Conn.	⁷ 1.0-8.0	20,000	100,000	(x)	(x)	(x)	(x)	(x)	(x)	No
Del.	14-13.5	1,000	50,000	800	1,200	800	10	1,000	1,000	Yes ⁸
D.C.	2.0-11.0	1,000	25,000	750	1,500	750	10	1,000	1,000	No
Ga.	1.0-8.0	750	7,000	1,500	3,000	700	15	2,000	2,000	No
Hawaii	2.25-11.0	500	30,000	1,000	2,000	1,000	10	1,000	1,000	No
Idaho	2.0-7.5	1,000	5,000	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	No
Ill.	2.5	Flat rate		1,000	2,000	1,000	(x)	(x)	(x)	No
Ind.	1.9	Flat rate		1,000	2,000	500	(x)	(x)	(x)	No
Iowa	5-13.0	¹⁰ 1,023	¹⁰ 76,725	¹⁰ 18	¹⁰ 36	¹⁰ 13	¹⁰ 15	1,200	3,000	Yes
Kans.	2.0-9.0	12,000	25,000	1,000	2,000	1,000	16	2,400	2,800	Yes
Ky.	2.0-8.0	3,000	8,000	¹¹ 20	¹¹ 40	¹¹ 20	(x)	650	650	Yes
La.	2.0-8.0	10,000	50,000	¹² 6,000	¹² 12,000	1,000	(¹³)	(¹³)	(¹³)	Yes
Maine	1.0-10.0	2,000	25,000	1,000	2,000	1,000	16	2,400	2,800	No
Md.	2.0-5.0	1,000	3,000	800	1,600	800	13	1,500	3,000	No
Mass.	¹⁴ 5.0	Flat rate		2,000	(¹⁴)	700	(x)	(x)	(x)	No
Mich.	4.8	Flat rate		1,500	3,000	1,500	(x)	(x)	(x)	No
Minn.	1.8-18.0	¹⁵ 654	¹⁵ 35,915	¹⁵ 66	¹⁵ 132	¹⁵ 66	10	2,206	2,206	Yes
Miss.	3.0-4.0	5,000	5,000	8,000	9,500	1,500	15	1,500	3,000	No
Mo.	1.5-8.0	1,000	9,000	1,200	2,400	400	(x)	2,300	3,400	Yes
Mont.	¹⁶ 2.0-11.0	¹⁶ 1,100	¹⁶ 38,400	¹⁶ 880	¹⁶ 1,760	¹⁶ 880	¹⁶ 20	¹⁶ 1,640	¹⁶ 3,280	Yes
Nebr.	(¹⁷)	Based on U.S. tax		(¹⁷)	(¹⁷)	(¹⁷)	(¹⁷)	(¹⁷)	(¹⁷)	No
N.H.	¹⁸ 5.0	Flat rate		1,200	(¹⁸)	(x)	(x)	(x)	(x)	No
N.J.	¹⁹ 2.0-2.5	20,000	20,000	1,000	2,000	1,000	(x)	(x)	(x)	No
N. Mex.	6-6.7	1,000	100,000	(²⁰)	(²⁰)	(²⁰)	(²⁰)	(²⁰)	(²⁰)	No
N.Y.	²¹ 2.0-14.0	1,000	23,000	750	1,500	750	17	2,500	2,500	No
N.C.	3.0-7.0	2,000	10,000	1,100	²² 2,200	800	10	550	(²³)	No
N. Dak.	²⁴ 1.0-7.5	²⁴ 3,000	²⁴ 30,000	1,000	2,000	1,000	(x)	2,300	3,400	Yes
Ohio	5-3.5	5,000	40,000	850	1,300	850	(x)	(x)	(x)	No
Ola.	²⁵ 5-8.0	²⁵ 1,000	²⁵ 7,500	750	1,500	750	15	2,000	2,000	Yes ²⁶
Oreg.	4.0-10.0	500	5,000	²⁷ 1,000	²⁷ 2,000	²⁷ 1,000	13	1,500	1,500	Yes ²⁸
Pa.	2.2	Flat rate		(x)	(x)	(x)	(x)	(x)	(x)	No
R.I.	(²⁹)	Based on U.S. tax		(²⁹)	(²⁹)	(²⁹)	(²⁹)	(²⁹)	(²⁹)	No
S.C. ³⁰	2.0-7.0	2,000	10,000	800	1,600	800	10	500	1,000	Yes ³¹
Tenn.	³² 6.0	Flat rate		(x)	(x)	(x)	(x)	(x)	(x)	No
Utah	2.75-7.75	750	3,750	750	1,500	750	15	2,000	2,000	Yes
Vt.	(³³)	Based on U.S. tax		(³³)	(³³)	(³³)	(³³)	(³³)	(³³)	No
Va.	2.0-5.75	3,000	12,000	800	1,200	800	15	2,000	2,000	No
W. Va.	2.1-9.8	2,000	200,000	800	1,200	800	10	1,000	1,000	No
Wis.	3.4-10.0	3,800	48,200	³⁴ 20	³⁴ 40	³⁴ 20	(x)	³⁴ 2,300	³⁴ 3,400	No

X Not applicable. ¹Many States also commonly allow other types of exemptions, such as physical or mental disability exemptions and tax credits for such items as specified contributions or taxes paid to other jurisdictions. ²To be adjusted annually by an inflation factor as follows: Arizona based on metropolitan Phoenix Consumer Price Index; California based on State Consumer Price Index; Colorado set by the General Assembly based on various price data; Montana, Consumer Price Index; Oregon, Portland Consumer Price Index beginning Jan. 1, 1983. ³Tax credit. ⁴For the 1981 income year, a credit of 16 percent of normal tax liability is allowed. ⁵An annual inflation factor is applied to index personal income tax bracket and personal exemptions. ⁶Tax shown applies to dividends and applies if AGI is over \$20,000. For capital gains after a basic exemption of \$100 (\$200 for married filing jointly), a 7% tax applies. ⁷Subject to limitations. ⁸Since State tax is based on either Federal taxable income or Federal taxable liability, in effect, Federal personal exemptions are adopted. ⁹Since the State uses either the Federal tax base or Federal tax liability in computing the State tax, in effect, the Federal "zero bracket amount" is adopted. ¹⁰An annual inflation factor based on Consumer Price Index is applied. Residents or nonresidents with net income of \$5,000 or less are non-taxable. If payment of tax reduces net income to below \$5,000 the tax is reduced allowing taxpayer to retain net income of \$5,000. ¹¹Deduction of 15 percent of new income after deduction of Federal income tax not to exceed \$1,200. ¹²Combined personal exemptions and standard deductions taken on the Federal return are incorporated into tax tables which must be used when filing State return. ¹³Data apply to earned income and annuities; 10% (flat rate) imposed on net capital gains, interest and dividends. No tax is imposed on, and the tax may not reduce, total income below \$5,000 for a husband and wife or \$3,000 for a single individual. A 7.5% surcharge on tax liability is also additional. ¹⁴Exemption is the smaller of \$4,000 or \$2,800 plus the income of the spouse having the smaller income. ¹⁵Beginning 1978, brackets adjusted for inflation based on Minneapolis-St. Paul Consumer Price Index. ¹⁶A 10% surcharge on tax liability is additional. Repeated tax years, beginning on or after Jan. 1, 1982. ¹⁷Based on Federal income tax liability as follows for 1981: Nebraska, 15%; Rhode Island, 10%; Vermont, 23% (with specified allowances). ¹⁸Tax on interest and dividends (excluding interest on savings deposits).

¹⁹Each spouse having taxable income is eligible for \$1,200 deduction; therefore, maximum exemption is \$2,400; joint returns are not permitted. ²⁰No individual taxpayer or married couple filing joint return is subject to tax if gross income is \$3,000 (\$1,500 or less for married couple filing separately). ²¹No tax due from individuals with an adjusted gross income of \$2,500 or less or married head of household or surviving spouse of \$5,000 or less. ²²An additional exemption of \$1,100 is allowed the spouse with the smallest income. Joint returns are not allowed. ²³An additional \$550 is allowed a married woman with separate income. Joint returns are not permitted. ²⁴Taxpayers have the option of paying a tax of 7 1/2 percent at the taxpayers adjusted Federal income tax liability. ²⁵These tax rates and brackets apply to single persons not deducting Federal income tax. For individuals deducting Federal income tax rates range from 5 percent of the first \$1,000 to 17 percent on income over \$49,000. ²⁶Tax does not apply to persons 65 or older who for the taxable year had gross income of not more than \$2,800 with no dependents or \$4,000 with dependent spouse or other dependent. ²⁷Tax on interest and dividends. Individuals 65 and over with total incomes of \$6,000 or less are exempt. ²⁸The standard deduction is the larger of the amounts indicated in the table or a low-income allowance based on adjusted gross income. For individuals under age 65 with income under \$3,300, and for married persons both under age 65 with income under \$5,400, the low income allowance would be larger.

Source: Advisory Commission on Intergovernmental Relations, Washington, D.C., Significant Features of Fiscal Federalism, 1981-1982.

NO. 486. STATE GENERAL OPERATING FUND RESOURCES AND EXPENDITURES: 1981 TO 1983

In millions of dollars, except percent. Fiscal year data. General operating funds exclude special funds earmarked for particular purposes, such as highway trust funds; they support most on-going broad-based State services, as opposed to long-term State capital projects and are available for appropriation to support any governmental activity. Minus sign (-) denotes deficit.

STATE	GENERAL FUND RESOURCES ¹			EXPENDITURES			BALANCE					
							Total			As percent of expenditures		
	1981	1982 ²	1983 ³	1981	1982 ²	1983 ³	1981	1982 ²	1983 ³	1981	1982 ²	1983 ³
U.S.	152,984	160,178	168,878	148,804	157,785	168,048	6,482	2,418	1,822	4.8	1.8	1.1
Ala.	1,731	1,773	1,897	1,703	1,754	1,884	29	18	3	1.7	1.1	.2
Alaska	5,940	5,228	4,102	5,049	5,259	3,799	892	-32	303	18.0	-0.6	8.0
Ariz.	1,838	1,710	1,727	1,508	1,884	1,712	133	46	15	9.1	2.8	.8
Ark.	1,009	1,089	1,198	1,009	1,089	1,198	-	-	-	-	-	-
Calif.	21,786	22,182	23,704	21,105	22,039	23,203	681	124	501	3.2	.6	2.2
Colo.	1,480	1,455	1,714	1,423	1,454	1,830	57	-	84	4.3	-	5.2
Conn.	2,881	2,824	3,172	2,728	2,858	3,172	-86	-34	-	2.4	-1.2	-
Del.	711	702	750	680	686	705	51	56	45	7.7	5.4	6.4
Fla.	4,970	5,239	5,501	4,889	4,858	5,308	801	362	193	13.8	7.9	3.6
Ga.	3,295	3,522	3,732	3,207	3,522	3,732	67	-	-	2.7	-	-
Hawaii	1,382	1,398	1,442	1,150	1,226	1,370	232	173	72	20.2	14.1	5.3
Idaho	395	428	477	383	422	477	2	6	-	.5	1.4	-
Ill.	8,489	8,481	8,984	8,282	8,331	8,784	197	150	180	2.4	1.8	2.0
Ind.	2,206	2,283	2,388	2,178	2,205	2,381	30	58	18	1.4	2.6	.8
Iowa	1,857	1,788	1,947	1,828	1,772	1,918	31	28	30	1.9	1.5	1.8
Kans.	1,411	1,487	1,628	1,272	1,346	1,486	140	140	141	11.1	10.4	10.0
Ky.	1,865	2,087	2,290	1,842	2,087	2,290	10	-	1	.5	-	-
La.	3,882	4,528	4,403	3,438	4,363	4,402	658	174	-	18.5	4.3	-
Maine	812	854	714	588	834	679	25	20	35	4.3	3.2	5.2
Md.	2,986	3,074	3,242	2,847	2,829	3,242	150	146	-	6.3	6.0	-
Mass.	6,148	6,721	7,118	6,085	6,685	7,022	52	38	-	.9	.8	1.4
Mich.	4,503	4,588	5,219	4,504	4,571	5,219	-	-	-	-	-	-
Minn.	3,580	3,984	4,088	3,811	4,571	3,970	-22	587	127	-7	-13.9	3.6
Miss.	1,177	1,281	1,315	1,100	1,236	1,315	77	25	-	7.0	2.0	-
Mo.	2,134	2,168	2,443	2,080	2,083	2,289	74	106	144	3.8	5.1	6.3
Mont.	328	387	388	285	332	338	61	35	30	23.0	10.5	6.9
Nebr.	722	719	773	685	733	732	57	-20	41	8.8	-2.7	5.8
Nev.	442	433	472	387	378	422	46	56	50	11.6	14.6	11.8
N.H.	249	280	285	279	292	283	-31	-31	1	-11.1	-10.8	.4
N.J.	5,457	5,872	6,404	5,152	5,749	6,373	305	129	31	5.9	2.2	.5
N. Mex.	1,220	1,307	1,407	1,028	1,130	1,317	192	178	90	18.7	15.8	6.6
N.Y.	15,183	16,788	17,861	15,181	16,757	17,850	11	11	11	1	1	1
N.C.	3,909	3,435	3,803	3,184	3,435	3,518	186	-	88	4.9	-	2.5
N. Dak.	524	549	496	350	434	469	174	116	27	50.9	27.9	5.8
Ohio	5,882	5,988	6,332	5,872	5,988	7,566	10	-	-1,233	.2	-	-16.3
Okl.	1,852	2,008	2,092	1,270	1,804	1,892	-	405	100	30.1	25.2	5.0
Oreg.	1,509	1,438	1,644	1,503	1,497	1,821	6	-61	23	4	-4.1	1.4
Pa.	6,872	7,180	7,589	6,802	7,157	7,588	72	3	1	1.1	-	-
R.I.	1,096	1,144	1,149	1,085	1,143	1,149	31	4	1	2.8	.4	1
S.C.	1,788	1,880	2,082	1,785	1,880	2,082	4	-	-	.2	-	-
S. Dak.	249	286	289	229	276	284	20	10	8	6.7	3.6	2.1
Tenn.	1,708	1,788	1,941	1,658	1,741	1,884	52	47	47	3.2	2.7	2.5
Tex.	5,175	5,395	5,756	4,500	4,887	5,243	878	508	513	17.8	9.8	9.8
Utah	808	881	1,001	784	881	1,000	24	13	3	3.1	1.5	.3
Vt.	244	274	308	246	273	308	-1	-	-	-4	-	-
Va.	2,862	2,951	3,186	2,816	2,902	3,318	45	48	123	1.6	1.7	-3.7
Wash.	2,988	3,257	3,702	2,984	3,421	3,686	6	-165	17	.2	4.8	.5
W. Va.	1,177	1,326	1,345	1,129	1,317	1,345	48	9	-	4.3	7	-
Wis.	3,471	3,536	4,173	3,447	3,483	4,151	24	43	21	7	1.2	.8
Wyo.	410	441	488	318	371	378	84	70	80	29.7	18.9	23.9

Represents zero.

¹ Includes funds budgeted and balances from previous year.² Estimates.

Source: National Governor's Association and National Association of State Budget Officers, Washington, D.C., *Fiscal Survey of the States*, annual.

No. 487. GROSS REVENUE OF SELECTED STATES FROM PARIMUTUEL AND AMUSEMENT TAXES AND LOTTERIES, 1975 TO 1980, AND BY STATE, 1980

STATE	Gross revenue (mil. dol.)	Parimutuel taxes (mil. dol.)	Amusement taxes (mil. dol.)	LOTTERY REVENUE	
				Total (mil. dol.)	Per cent prize money
1975.....	1,551.9	676.4	98.9	776.6	38.0
1976.....	1,805.5	719.3	110.7	975.5	40.5
1977.....	2,033.7	721.2	120.9	1,191.8	45.3
1978.....	2,443.3	688.5	138.2	1,814.6	43.3
1979.....	2,699.7	717.4	177.8	1,804.5	43.3
1980 ¹	3,072.9	731.5	234.1	2,107.3	43.6
Ariz.....	9.6	9.6	(x)	(x)	(x)
Ark.....	15.6	15.6	(x)	(x)	(x)
Calif.....	126.5	126.3	.2	(x)	(x)
Colo.....	8.6	8.4	.3	(x)	(x)
Conn.....	194.6	52.9	11.7	129.9	50.2
Del.....	17.5	1.6	(x)	15.9	50.8
Fla.....	104.6	102.5	2.1	(x)	(x)
Ill.....	176.9	79.1	6.8	91.0	50.3
Ky.....	14.2	14.0	.2	(x)	(x)
La.....	19.0	18.8	.2	(x)	(x)
Maine.....	7.3	1.3	(x)	6.0	46.4
Md.....	369.1	16.0	.7	372.3	48.8
Mass.....	229.9	29.5	8.0	192.5	47.0
Mich.....	514.0	26.0	.1	487.9	49.4
Nebr.....	7.9	7.4	.5	(x)	(x)
Nev.....	137.4	.4	137.0	(x)	(x)
N.H.....	21.4	12.4	(x)	9.0	37.5
N.J.....	405.9	15.7	58.3	331.9	52.4
N. Mex.....	3.6	3.5	.1	(x)	(x)
N.Y.....	282.4	98.8	.9	182.8	39.8
Ohio.....	84.0	26.8	(x)	57.2	18.0
Oreg.....	4.7	4.7	(x)	(x)	(x)
Pa.....	222.6	27.8	.1	194.7	8.0
R.I.....	41.4	7.9	.1	33.4	44.0
S.C.....	4.2	(x)	4.2	(x)	(x)
S. Dak.....	2.3	2.3	(x)	(x)	(x)
Vt.....	3.7	.8	(x)	2.9	46.9
Wash.....	7.2	7.2	(z)	(x)	(x)
W. Va.....	13.8	13.8	(x)	(x)	(x)

X Not applicable. Z Less than \$50,000. ¹ Includes 12 States whose gross revenues were less than \$1,000,000.
Source: U.S. Bureau of the Census, *State Government Finances in 1980*, Series GF80, No. 3, and earlier issues.

No. 488. STATE PAYMENTS TO LOCAL GOVERNMENTS, BY STATE: 1977

[Intergovernmental expenditure is defined as the actual payment of money to local governments, including grants-in-aid and State-collected, locally shared taxes, as well as State reimbursements to local governments for services rendered (e.g., care of prisoners, construction of public improvements, etc.). It excludes transactions or activities which benefit localities without involving flow of funds. For details, see source]

STATE	Total payments (mil. dol.)	Percent of State general expenditures	PER CAPITA PAYMENTS ¹ (dollars)		
			Total	Edu-cation	Pub-lic wel-fare
U.S.	61,074	38.0	283	171	41
Ala.....	732	28.2	198	152	-
Alaska.....	234	22.8	576	395	-
Ariz.....	731	43.1	318	219	(z)
Ark.....	439	31.6	205	141	1
Calif.....	8,246	43.4	377	192	91
Colo.....	660	35.2	263	174	51
Conn.....	532	24.9	171	112	6
Del.....	145	23.4	250	218	-
Fla.....	2,017	41.1	239	168	-
Ga.....	994	31.9	197	157	2
Hawaii.....	35	2.6	39	-	-
Idaho.....	220	32.1	256	173	-
Ill.....	2,824	33.1	251	176	9
Ind.....	1,335	41.9	250	128	23
Iowa.....	885	39.0	311	205	8
Kans.....	447	26.1	192	154	-
Ky.....	591	22.9	171	141	-
La.....	983	30.0	251	178	-
Maine.....	220	27.4	203	165	2
Md.....	1,441	40.5	348	180	60
Mass.....	1,247	26.2	216	145	-
Mich.....	2,794	36.5	308	174	18
Minn.....	1,797	47.0	452	274	57
Miss.....	602	34.8	252	181	-
Mo.....	726	29.4	151	125	1
Mont.....	189	25.3	222	175	1
Nebr.....	318	31.8	204	76	9
Nev.....	153	30.0	242	194	(z)
N.H.....	95	17.3	112	47	-
N.J.....	2,010	36.9	274	151	65
N. Mex.....	398	37.5	335	259	-
N.Y.....	9,983	54.3	558	216	227
N.C.....	1,820	45.9	329	227	48
N. Dak.....	162	25.8	246	169	8
Ohio.....	2,486	38.5	230	141	13
Okla.....	565	26.8	201	153	1
Oreg.....	504	26.5	212	138	1
Pa.....	2,714	30.3	230	165	13
R.I.....	157	19.6	168	118	15
S.C.....	584	27.2	203	147	-
S. Dak.....	75	14.8	108	76	(z)
Tenn.....	719	28.2	167	114	1
Tex.....	2,216	30.2	173	167	-
Utah.....	304	28.8	239	205	-
Vt.....	83	17.9	171	117	-
Va.....	1,082	30.2	207	141	43
Wash.....	1,059	31.6	289	212	2
W. Va.....	430	27.6	231	215	-
Wis.....	1,979	48.4	428	155	68
Wyo.....	119	29.5	293	169	-

- Represents zero. Z Less than \$.50. ¹ Based on estimated resident population as of July 1.
Source: U.S. Bureau of the Census, *Census of Governments: 1977*, vol. 6, No. 3, *State Payments to Local Governments*.

No. 400. NUMBER OF LOCAL GOVERNMENTS, BY TYPE—STATES: 1977 AND 1982

[Limited to governments actually in existence. Excludes, therefore, a few counties and numerous townships and "incorporated places" existing as areas for which statistics can be presented as to population and other subjects, but lacking any separate organized county, township, or municipal government]

STATE	1977			1982								
	All government units ¹	School districts	Special districts	All government units ¹	Local government units							
					Counties	Municipalities	Townships ²	School districts	Special districts			
									Total ³	Natural resources	Fire protection	Housing and community development
U.S.	79,992	15,174	25,992	82,996	3,041	16,983	16,746	15,962	26,733	6,376	4,667	1,399
Ala.	949	127	■	1,019	67	434	-	127	390	67	2	157
Alaska	150	-	-	157	5	142	-	-	5	-	-	6
Ariz.	420	230	106	459	14	76	-	231	137	69	-	-
Ark.	1,346	360	424	1,430	75	472	-	378	606	227	29	136
Calif.	3,808	1,109	2,227	4,112	57	428	-	1,115	2,511	530	382	86
Colo.	1,459	185	950	1,568	62	267	-	297	1,031	174	201	59
Conn.	434	19	296	481	-	39	149	18	262	1	49	91
Del.	210	25	127	219	3	66	-	19	140	135	-	9
D.C.	2	-	1	2	-	1	-	-	1	-	-	-
Fla.	911	95	391	972	66	391	-	95	419	132	59	94
Ga.	1,283	189	397	1,271	169	534	-	169	390	30	-	210
Hawaii	19	-	15	19	2	1	-	-	14	14	-	-
Idaho	972	117	612	1,019	44	196	-	117	656	175	101	12
Ill.	8,620	1,063	2,745	8,484	102	1,280	1,434	1,050	2,597	605	767	39
Ind.	2,854	307	965	2,873	91	565	1,008	308	902	116	-	52
Iowa	1,852	464	334	1,874	99	865	-	457	362	220	82	5
Kans.	3,725	327	1,219	3,819	106	627	1,380	329	1,390	263	-	103
Ky.	1,183	181	478	1,253	119	426	-	180	527	126	76	21
La.	456	69	30	499	62	301	-	69	39	19	-	-
Maine	779	66	178	808	16	22	475	66	196	13	-	31
Md.	426	-	252	443	23	152	-	-	267	195	-	20
Mass.	799	75	326	799	12	39	312	81	354	14	13	219
Mich.	2,638	606	186	2,846	63	532	1,245	601	184	65	-	-
Minn.	3,437	440	263	3,530	87	855	1,795	436	356	111	-	163
Miss.	635	166	304	660	82	292	-	199	316	235	-	59
Mo.	2,937	574	1,007	3,126	114	629	324	629	1,201	152	116	142
Mont.	958	465	311	1,045	54	129	-	412	452	119	66	20
Nebr.	3,486	1,186	1,192	3,336	93	535	499	1,080	1,198	111	429	136
Nev.	182	17	■	186	16	17	-	17	135	31	16	16
N.H.	508	159	109	507	10	13	221	149	113	9	15	19
N.J.	1,517	649	380	1,597	21	323	244	553	455	15	146	78
N. Mex.	313	86	100	320	33	96	-	69	101	71	-	6
N.Y.	3,309	740	984	3,301	67	616	932	773	923	1	■	-
N.C.	674	-	302	910	100	484	-	-	325	147	-	113
N. Dak.	2,707	346	587	2,798	53	385	1,360	325	694	65	276	37
Ohio	3,285	631	312	3,263	86	941	1,318	627	378	99	22	53
Ola.	1,675	625	406	2,262	77	562	-	653	949	114	6	137
Oreg.	1,447	375	797	1,480	■	241	-	354	626	183	249	24
Pa.	5,246	981	2,036	5,317	66	1,019	1,549	618	2,064	6	1	91
R.I.	120	9	78	125	-	8	31	9	62	4	36	27
S.C.	585	93	182	652	46	665	-	92	246	■	61	46
S. Dak.	1,727	194	149	1,789	64	312	996	195	200	105	16	40
Tenn.	905	14	471	914	94	395	-	13	471	126	-	104
Tex.	3,863	1,139	1,425	4,192	254	1,121	-	1,125	1,691	368	16	398
Utah	492	40	207	506	29	224	-	40	212	72	4	9
Vt.	647	272	67	686	14	57	237	274	65	14	18	6
Va.	399	-	65	408	95	229	-	-	63	42	-	-
Wash.	1,066	302	1,080	1,736	39	285	-	300	1,130	183	412	42
W. Va.	596	55	256	637	55	231	-	55	■	15	-	38
Wis.	2,518	410	190	2,596	72	580	1,299	409	265	165	-	101
Wyo.	365	55	217	401	23	91	-	56	230	114	44	-

Represents zero. Includes other types of governments not shown separately. ³Includes "town" governments in the 6 New England States and in Minnesota, New York, and Wisconsin.

Source: U.S. Bureau of the Census, *Census of Governments: 1977*, vol. 1, No. 1, *Governmental Organization*, and *1982 Census of Governments, Preliminary Report No. 1*, GC 82 (P)-1.

No. 490. COUNTY, MUNICIPAL, AND TOWNSHIP GOVERNMENTS, 1977, AND THEIR ESTIMATED POPULATION, 1975, BY POPULATION-SIZE GROUPS

[Number of governments as of January 1977; population estimates as of July 1, 1975. Township governments include "towns" in the 6 New England States, New York, and Wisconsin]

POPULATION-SIZE GROUP	COUNTIES			MUNICIPALITIES			TOWNSHIPS		
	Number, 1977	Population, 1975		Number, 1977	Population, 1975		Number, 1977	Population, 1975	
		Number (1,000)	Per- cent		Number (1,000)	Per- cent		Number (1,000)	Per- cent
Total.....	3,042	189,691	100.0	18,862	136,761	100.0	16,822	48,344	100.0
250,000 or more.....	137	92,392	48.7	58	41,638	30.4	31	5,740	11.9
100,000-249,999.....	206	32,085	16.9	105	14,896	10.9			
50,000-99,999.....	336	23,503	12.4	230	16,091	11.8		4,799	9.9
25,000-49,999.....	596	20,976	11.0	514	17,839	13.1	190	6,479	13.4
10,000-24,999.....	980	16,079	8.5	1,212	19,002	13.9	860	10,185	21.1
5,000-9,999.....	496	3,758	2.0	1,461	10,299	7.5	870	8,081	12.6
2,500-4,999.....	291	897	.4	2,004	7,040	5.1	1,595	5,505	11.4
1,000-2,499.....				3,664	5,872	4.3	3,657	5,808	12.0
Less than 1,000.....				9,614	3,985	2.9	9,747	3,747	7.8

Source: U.S. Bureau of the Census, *Census of Governments: 1977*, vol. 1, No. 1, *Governmental Organization*.

No. 491. COUNTY GOVERNMENTS—SUMMARY OF FINANCES, 1975 TO 1980, AND PER CAPITA, BY POPULATION-SIZE GROUP, 1980

[Per capita based on population as of April 1, 1980. Covers fiscal years ending between July 1 of preceding year and June 30 of year stated]

ITEM	ALL COUNTIES (mil. dol.)					PER CAPITA (dollars), 1980					
	1975	1977	1978	1979	1980	All counties		Counties with 1980 population (in 1,000) of—			
						Total (3,044)	Per- cent dis- tribu- tion	Less than 100 (2,670) ¹	100- 199.9 (182) ¹	200- 299.9 (72) ¹	300 or more (120) ¹
General revenue	32,893	41,441	46,048	50,197	54,573	267.88	100.0	244.73	232.80	241.36	298.52
Intergovernmental revenue ²	14,755	18,787	20,879	23,891	24,746	121.47	45.3	106.31	106.06	115.24	137.97
From State govt.....	11,842	14,315	15,388	18,097	18,969	93.11	34.8	83.11	75.06	86.96	106.53
From Federal govt.....	2,385	3,741	4,825	4,941	4,948	24.29	9.1	19.63	27.61	24.92	28.68
General revenue sharing.....	1,595	1,671	1,721	1,735	1,746	8.57	3.2	10.05	7.33	7.14	8.10
Tax revenue.....	12,660	15,665	17,435	18,958	18,813	92.35	34.5	78.09	80.58	72.37	109.86
Property.....	10,316	12,888	14,017	13,067	14,300	70.19	26.2	60.62	61.02	57.26	82.21
Charges and misc.....	5,478	6,789	7,735	9,348	11,014	54.06	20.2	60.34	46.13	53.75	51.69
General expenditure.....	32,744	41,282	44,762	49,160	54,297	266.52	100.0	247.65	231.42	237.46	295.54
Capital outlay.....	4,850	5,063	5,078	5,818	6,505	31.93	12.0	31.94	29.18	25.59	33.90
Other.....	27,894	36,219	39,684	43,342	47,792	234.59	88.0	215.69	202.24	211.92	261.54
Public welfare.....	6,169	7,842	8,212	8,009	8,591	42.17	15.8	22.82	31.64	48.39	58.39
Education.....	5,643	6,634	6,963	7,568	8,412	41.29	15.5	54.71	44.63	24.98	33.68
Highways.....	3,458	3,849	4,035	4,671	5,227	25.66	9.6	41.62	23.56	17.67	16.08
Hospitals.....	3,337	4,346	4,754	5,221	5,975	29.33	11.0	32.41	16.51	22.25	31.93
General control.....	1,998	2,580	2,895	3,121	3,374	16.56	8.2	13.66	14.73	16.73	18.99
Police protection.....	1,450	1,916	2,150	2,396	2,661	13.06	4.9	11.32	12.04	10.93	15.03
Financial administration.....	883	1,092	1,235	1,343	1,521	7.47	2.8	7.91	8.81	6.97	7.41
General public buildings.....	824	933	970	1,059	1,072	5.26	2.0	5.53	5.78	5.13	4.95
Health.....	1,428	1,957	2,227	2,506	2,806	13.77	5.2	9.96	12.99	16.11	16.33
Correction.....	980	1,244	1,433	1,548	1,759	8.63	3.2	4.08	6.61	9.14	12.42
Natural resources.....	510	558	574	594	687	3.37	1.3	2.89	2.18	1.95	4.33
Parks and recreation.....	741	887	941	964	1,094	5.37	2.0	2.39	3.68	3.74	8.33
Interest on general debt.....	796	992	1,122	1,275	1,542	7.57	2.8	7.85	5.96	7.36	7.83
Other and unallocable.....	4,541	6,479	7,251	8,867	9,576	47.00	17.6	30.31	44.07	48.06	59.84
Debt outstanding, end of year.....	18,935	22,590	24,938	27,952	32,893	161.96	100.0	153.71	150.06	151.59	173.23
Long-term.....	17,617	21,367	23,876	26,864	31,543	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Short-term.....	1,318	1,223	1,063	1,088	1,450	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹Figures in parentheses represent number of counties in each size group.

²Includes other intergovernmental revenue not shown separately.

Source: U.S. Bureau of the Census, *County Government Finances*, series GF, No. 8, annual.

No. 492. GROSS ASSESSED VALUE OF PROPERTY AND GOVERNMENT REVENUE FROM PROPERTY TAXES: 1966 TO 1979

[in billions of dollars, except percent. Minus sign (—) denotes decrease]

ITEM	1966	1971	1973	1975	1976	1978	1979
Gross assessed value of property.....	499.0	717.6	672.6	1,096.3	1,229.1	1,509.7	¹ 1,678.8
State assessed.....	41.8	53.5	59.4	74.8	84.8	108.4	113.5
Locally assessed.....	457.4	664.2	613.2	1,021.5	1,144.3	1,401.3	1,565.3
Real property.....	393.2	573.9	704.6	681.6	992.5	1,212.6	1,358.5
Percent of locally assessed.....	86.0	86.4	86.6	86.3	86.4	86.4	86.8
Net assessed value of locally taxable property ²	484.1	694.6	845.0	1,082.9	1,189.4	1,443.2	1,607.3
Percent of gross assessed.....	97.0	96.8	96.8	97.0	96.8	95.8	95.7
REVENUE FROM PROPERTY TAXES							
Total revenue, State and local.....	24.7	37.9	45.3	51.6	57.0	66.4	64.9
Percent of general revenue.....	29.7	28.1	23.8	22.6	22.3	21.0	18.9
Percent of tax revenue.....	43.6	39.9	37.4	36.4	36.3	34.3	31.6
Revenue, State governments.....	.8	1.1	1.3	1.5	2.1	2.4	2.5
Percent of all revenue.....	1.5	1.1	1.0	.9	1.1	1.1	1.0
Percent of tax revenue.....	2.8	2.2	1.9	1.8	2.4	2.1	2.0
Revenue, local governments.....	23.8	36.7	44.0	50.0	54.9	64.1	62.5
Annual average percent change from prior year shown.....	³ 9.3	9.0	7.6	6.6	9.7	8.1	-2.6
Percent of all revenue.....	40.2	36.4	34.1	32.2	30.8	29.9	26.6
Percent of tax revenue.....	87.1	84.6	82.9	61.6	61.2	60.0	77.5

¹Includes 1978 value data for 13 States. See footnote 6, table 493. including State-assessed property, after deduction of partial exemptions.

²Value subject to local general property taxation. ³Change from 1965.

Source: U.S. Bureau of the Census, *Census of Governments: 1967 and 1977*, vol. 2, *Property Values Subject to Local General Property Taxation in the United States: 1973, 1975, 1978, and 1979*, series GSS Nos. 80, 92, and 98; and *Governmental Finances*, series GF, No. 5, annual.

No. 493. GROSS ASSESSED VALUE OF PROPERTY SUBJECT TO LOCAL GENERAL PROPERTY TAXATION AND REVENUE FROM PROPERTY TAX, 1979—STATES

[in billions of dollars, except percent. Excludes value of totally exempt property. U.S. figures excluding partially exempt property amounted to a net value of \$1,607 billion in 1979. Excluded from property tax base were: (1) Property owned by nonprofit and other qualifying groups or institutions (used for government, religion, nonprofit medical care, and education); (2) new industrial plants exempt for stated periods of time as inducement to new industry; and (3) property exempted by specific legislative action]

STATE	GROSS VALUE OF PROPERTY		STATE AND LOCAL GOVERNMENT REVENUE FROM PROPERTY TAX			STATE	GROSS VALUE OF PROPERTY		STATE AND LOCAL GOVERNMENT REVENUE FROM PROPERTY TAX		
	Total as-sessed	Locally as-sessed	Total	Percent of—			Total as-sessed	Locally as-sessed	Total	Percent of—	
				General revenue	Tax revenue					General revenue	Tax revenue
U.S.....	1,678.8	1,096.3	64.9	18.9	31.6	Mo.....	17.3	15.2	1.0	16.9	26.3
Ala.....	8.5	6.9	.3	5.7	11.6	Mont. ^{3 4}	1.6	1.2	.3	24.6	45.3
Alaska ¹	18.6	11.0	.3	16.7	32.4	Nebr.....	11.8	11.6	.6	25.4	43.4
Ariz.....	7.2	4.9	.9	22.2	35.2	Nev.....	⁶ 6.6	⁶ 6.0	.2	19.0	31.5
Ark.....	4.6	3.7	.3	10.8	21.1	N.H.....	10.7	10.7	.4	34.2	60.0
Calif. ²	132.9	125.4	6.0	15.3	25.2	N.J.....	⁹ 7.1	⁹ 7.0	3.7	31.6	47.4
Colo.....	12.4	11.2	.9	19.7	33.6	N. Mex.....	5.5	3.0	.2	6.5	15.6
Conn.....	37.1	37.1	1.4	30.2	45.1	N.Y.....	⁸ 9.7	⁸ 5.0	8.5	22.7	35.2
Del.....	3.9	3.9	.1	8.9	16.0	N.C.....	⁷ 9.0	⁷ 1.1	.9	13.2	22.9
D.C.....	13.1	13.1	.2	10.8	24.2	N.Dak. ⁴.....	.8	.8	.2	16.1	33.9
Fla.....	158.2	157.7	2.2	18.6	32.0	Ohio.....	69.4	51.6	2.8	20.1	33.9
Ga.....	36.9	33.4	1.1	14.7	27.9	Okl.....	6.8	5.4	.4	11.0	19.6
Hawaii ³	15.1	15.1	.2	9.5	15.9	Oreg.....	64.1	59.7	.9	20.5	36.2
Idaho.....	2.9	2.5	.2	17.7	31.9	Pa.....	² 7.6	² 7.8	2.7	16.0	25.0
Ill. ^{1 5}	⁶ 7.2	⁶ 5.8	3.9	23.0	35.0	R.I.....	⁸ 8.1	⁸ 8.1	.4	24.3	41.0
Ind.....	¹ 7.0	¹ 5.3	1.3	20.0	33.0	S.C.....	² 6	² 2.1	.4	12.2	22.2
Iowa.....	58.6	53.8	1.0	23.2	37.9	S.Dak.....	4.4	4.2	.2	24.1	46.3
Kans.....	10.0	8.4	.8	24.6	40.7	Tenn.....	13.6	12.3	.7	12.8	23.4
Ky.....	47.6	43.0	.5	9.9	17.7	Tex.....	64.6	64.4	3.7	20.8	36.5
La.....	⁸ 6.1	⁸ 6.7	.4	6.8	12.6	Utah.....	5.2	4.2	.3	16.1	26.6
Maine.....	15.7	15.7	.3	21.6	37.9	Vt.....	6.2	6.2	.2	22.5	39.6
Md. ³	37.3	31.1	1.1	15.8	26.2	Va.....	85.5	79.5	1.1	16.2	27.3
Mass.....	43.9	43.2	3.1	29.8	46.4	Wash.....	78.7	75.0	1.2	17.5	31.1
Mich. ⁵	⁹ 72.5	⁹ 72.5	3.5	21.5	35.8	W. Va.....	¹ 2.4	¹ 0.4	.2	9.5	16.9
Minn. ⁴	¹ 5.9	¹ 5.8	1.3	18.2	28.4	Wis.....	56.0	51.1	1.6	20.6	33.9
Miss.....	⁴ 4.3	³ 4	.3	10.7	21.6	Wyo.....	3.8	1.2	.2	21.5	39.7

¹Assessed values exclude \$4,326 million of property value in the unorganized territory. ²Decreased property tax collections due to legal limitations. ³All assessment is performed by a State agency but assessed values are shown here as "locally assessed" for comparability with other States. ⁴Two sets of values are locally recorded for taxable property. For comparability with data for other States, assessed values shown here pertain to final values against which tax rates are applied, rather than to preliminary "full and true," "true and full," and "market," or (in Illinois) local unadjusted values. ⁵State-equalized values, which are the legal values for levy of authorized tax rates within State. ⁶1978 value.

Source: U.S. Bureau of the Census, *Property Values Subject to Local General Property Taxation in the United States: 1979*, series GSS No. 98 and *Governmental Finances in 1978-79*, series GF 79, No. 5.

No. 484. CITY GOVERNMENTS—SUMMARY OF FINANCES: 1960 TO 1980

In millions of dollars, except percent. Represents all municipalities (see table 482) and their dependent agencies; includes other local governments overlying city areas. See text, p. 272. Includes sample-based estimates for cities of less than 25,000 for 1960, and less than 50,000 beginning 1965; thus subject to sampling variation. See Appendix III.

ITEM	1960	1965	1970	1975	1976	1979	1980	PERCENT OF TOTAL	
								1970	1980
Revenues	14,915	20,318	32,704	59,744	60,125	86,864	84,862	100.0	100.0
General revenue	11,647	15,881	26,821	49,859	55,486	70,328	78,058	81.4	80.2
Intergovernmental revenue	2,321	3,534	7,008	19,548	25,833	27,588	28,270	24.2	29.8
From State governments only	1,888	2,745	6,173	13,059	14,482	15,472	15,999	18.9	18.8
Taxes	7,109	9,289	13,847	21,135	27,830	28,782	31,258	41.7	32.9
Property	6,187	8,537	9,127	13,046	16,293	18,063	18,859	27.9	17.8
Percent of total taxes	73.1	70.4	66.9	61.7	58.5	62.9	59.9	(x)	(x)
Sales and gross receipts	1,217	1,756	2,422	4,555	6,508	7,298	6,399	7.4	8.7
General	797	1,184	1,479	2,789	3,986	4,483	5,096	4.5	5.4
Selective	420	611	943	1,786	2,512	2,813	3,112	2.9	3.3
Licenses and other	895	957	2,068	3,534	5,029	5,403	6,189	6.4	6.5
Charges and miscellaneous	2,217	3,061	5,088	9,071	11,824	13,968	16,530	15.5	17.4
Current charges only	1,342	1,951	3,113	6,443	7,885	8,787	9,875	9.5	10.4
Utility and liquor store revenue	2,861	3,852	5,168	8,409	12,501	13,953	15,719	15.8	18.6
Water system	1,253	1,651	2,201	3,266	4,293	4,883	4,889	6.7	5.3
Electric power system	1,008	1,441	1,863	3,682	6,283	7,131	8,007	5.8	8.4
Gas supply system	162	215	292	448	741	900	1,444	.9	1.5
Transit system	370	459	671	821	970	1,015	1,032	2.1	1.1
Liquor stores	71	82	121	192	214	224	247	.4	.3
Insurance trust revenue	407	582	915	1,482	2,136	2,584	3,088	2.8	3.3
Expenditure	15,251	26,880	34,173	66,703	77,383	83,994	89,712	100.0	100.0
General expenditure ¹	11,818	18,012	27,882	48,935	60,984	65,997	72,445	81.0	77.3
Police protection	1,275	1,739	2,994	5,420	6,991	7,460	8,200	8.8	8.8
Fire protection	865	1,146	1,782	2,989	3,855	4,083	4,536	5.2	4.6
Highways	1,573	1,807	2,499	3,861	4,740	5,286	5,977	7.3	6.4
Sewerage and other sanitation	1,332	1,774	2,553	5,229	6,251	6,989	7,913	7.5	8.4
Public welfare	908	927	2,215	3,848	4,357	3,817	3,801	8.5	4.1
Education	1,601	2,489	4,548	7,164	7,973	8,408	8,284	13.3	9.9
Libraries	165	267	407	632	732	778	883	1.2	.9
Health and hospitals	798	1,115	1,944	3,841	3,616	3,933	4,457	5.7	4.8
Parks and recreation	551	775	1,306	2,274	2,798	3,150	3,433	3.8	3.7
Housing and urban renewal	464	686	1,154	1,752	2,084	2,580	3,459	3.4	3.7
Airports	189	182	436	615	772	922	1,100	1.3	1.2
Financial administration	508	291	457	819	1,399	1,682	1,843	1.3	2.0
General control	182	488	778	1,440	1,738	1,853	2,015	2.3	2.2
General public buildings	182	329	430	845	914	984	1,090	1.3	1.2
Interest on general debt	431	603	1,098	2,294	2,869	2,819	3,054	3.2	3.3
Other and unallocable	848	1,414	3,104	8,135	9,873	10,872	11,402	9.1	12.2
Utility and liquor store expenditure	2,975	4,044	5,489	9,898	13,912	15,329	18,274	16.1	18.5
Water system	1,424	1,820	2,337	3,778	4,921	5,247	5,933	6.8	6.3
Electric power system	858	1,291	1,811	3,779	6,402	7,154	8,595	5.3	9.2
Gas supply system	143	193	260	407	653	822	1,334	.8	1.4
Transit system	489	662	974	1,785	1,746	1,905	2,189	2.9	2.3
Liquor stores	60	78	107	169	190	201	222	.3	.2
Insurance trust expenditure	458	624	1,002	1,872	2,408	2,885	2,993	2.9	3.2
By character and object									
Direct expenditure	15,093	20,425	33,782	59,969	75,353	81,822	91,693	98.9	97.8
Current operation	9,874	13,584	22,895	41,451	55,371	60,289	66,687	67.0	71.2
Capital outlay	3,691	4,750	7,103	12,054	12,145	13,472	13,441	20.8	17.4
Construction and equipment ²	3,258	4,187	6,371	11,216	9,944	11,078	13,941	18.6	14.2
Land and existing structures ³	436	553	733	838	2,201	2,393	2,944	2.1	3.1
Assistance payments	388	530	1,245	1,584	1,584	1,534	1,546	3.6	1.6
Interest on debt	854	967	1,547	3,018	3,846	3,861	4,182	4.5	4.6
Insurance benefits, repayments	458	624	1,002	1,872	2,408	2,885	2,993	2.9	3.2
Intergovernmental expenditure	156	255	381	714	1,930	1,772	2,019	1.1	2.2
Total personal services⁴	8,772	9,079	14,784	24,635	28,608	31,667	34,709	43.4	37.0
Debt outstanding, year end	23,176	31,882	43,773	65,239	78,187	78,876	86,818	100.0	100.0
Long-term	21,904	29,290	38,870	55,789	74,983	74,953	82,346	88.8	95.7
Full faith and credit	14,473	18,477	22,005	31,868	40,828	39,020	39,570	11.3	48.0
Nonguaranteed	7,430	10,803	16,863	23,903	34,156	35,933	42,776	36.5	49.7
Short-term	1,274	2,582	4,903	9,450	3,184	3,122	3,673	11.2	4.3
Net long-term debt outstanding	20,103	26,774	36,087	51,437	67,023	67,882	72,826	82.4	84.3
Long-term debt issued	2,480	3,347	3,810	5,754	11,302	10,257	12,582	(x)	(x)
Long-term debt retired	1,318	1,778	2,310	3,658	4,865	5,541	5,541	(x)	(x)

X Not applicable. ¹Includes intergovernmental expenditure. ²Beginning 1976, equipment included with land and existing structures. ³Included in items shown above.

Source: U.S. Bureau of the Census, *City Government Finances*, series GF No. 4, annual.

No. 495. CITY GOVERNMENTS—FINANCES, BY POPULATION-SIZE GROUPS: 1980

ITEM	All cities	CITIES HAVING A 1980 population of—						
		Less than 50,000	50,000 to 99,999	100,000 to 199,999	200,000 to 299,999	300,000 to 499,999	500,000 to 999,999	1,000,000 or more
Number of cities, 1980.....	18,963	18,585	249	97	23	26	17	6
Population, 1980 (mil.).....	141.0	66.1	17.2	13.0	5.5	10.0	11.6	17.5
FINANCES (mil. dol.)								
General revenue ¹	76,088	20,474	7,541	6,958	3,118	6,468	9,425	22,072
Intergovernmental ¹	28,270	6,315	2,474	2,610	1,186	2,489	4,041	9,155
From State governments.....	15,939	3,418	1,448	1,389	545	1,025	1,638	6,476
From Federal government.....	10,872	2,291	916	1,036	557	1,309	2,231	2,532
Revenue sharing.....	2,480	687	265	217	112	206	250	523
Taxes ¹	31,256	8,237	3,293	2,783	1,235	2,443	3,650	9,815
Property.....	16,859	4,887	2,197	1,881	591	1,078	1,830	4,355
Percent of total taxes.....	53.9	59.3	66.7	66.9	47.9	44.1	51.8	45.3
Sales and gross receipts.....	8,208	2,184	770	880	370	870	913	2,421
Current charges.....	9,875	3,415	1,053	976	412	854	1,076	2,067
Water supply and other utility.....	15,472	6,765	1,363	1,597	477	953	1,647	2,670
General expenditure ¹	72,445	20,296	7,524	6,958	3,328	8,150	8,982	19,299
Education.....	9,284	1,487	1,034	1,216	463	500	1,189	3,395
Highways.....	5,977	2,832	734	575	248	416	530	642
Public welfare.....	3,801	94	45	98	64	101	515	2,884
Health and hospitals.....	4,457	1,087	402	334	110	326	657	1,581
Police and fire protection.....	12,735	4,108	1,513	1,286	565	1,132	1,454	2,667
Sewerage and sanitation.....	7,913	3,091	632	681	342	701	988	1,270
Housing and urban renewal.....	3,459	521	386	320	199	393	496	1,142
Interest on general debt.....	3,054	909	282	275	165	297	391	736
Water supply and other utility.....	16,052	7,470	1,517	1,783	808	1,263	1,935	3,476
Gross debt outstanding.....	86,019	29,027	8,162	7,616	4,396	8,231	9,623	18,674
Long-term.....	82,346	27,888	7,755	7,627	4,139	8,062	8,823	17,952
Short-term.....	3,673	1,141	397	289	256	169	700	721
PERCENT DISTRIBUTION								
General revenue ¹	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Intergovernmental.....	37.2	30.8	32.8	37.5	38.0	38.5	42.9	41.5
Taxes ¹	41.1	40.2	43.7	40.0	39.8	37.8	38.7	43.6
Property.....	22.2	23.9	29.1	26.7	19.0	16.7	20.1	19.7
Sales and gross receipts.....	10.8	10.7	10.2	9.8	11.9	13.5	9.7	11.0
Current charges.....	21.7	16.7	14.0	14.0	13.2	13.2	11.4	9.5
General expenditure ¹	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Education.....	12.8	7.3	13.7	17.7	13.9	8.1	13.3	17.6
Highways.....	8.3	13.4	9.8	8.4	7.5	6.8	5.9	3.3
Public welfare.....	5.2	.5	.6	1.4	1.9	1.6	5.7	14.9
Health and hospitals.....	6.2	5.3	5.3	4.9	3.3	5.3	7.4	8.1
Police and fire protection.....	17.6	20.2	20.1	18.8	17.0	18.4	16.2	13.6
Sewerage and sanitation.....	10.9	15.2	11.1	9.9	7.3	11.4	11.1	6.6
Housing and urban renewal.....	4.8	2.6	5.2	4.6	6.0	6.4	5.5	5.9
Interest on general debt.....	4.2	4.5	3.7	3.4	5.0	4.8	4.4	3.8
PER CAPITA ² (dollars)								
General revenue ¹	540	310	437	534	570	650	811	1,289
Intergovernmental ¹	201	96	144	200	217	250	346	522
From State governments.....	113	52	84	107	100	103	141	369
From Federal government.....	77	35	53	79	102	131	192	144
Revenue sharing.....	17	13	15	17	20	21	22	30
Taxes ¹	222	125	191	213	226	245	314	549
Property.....	120	74	127	143	108	106	163	248
Sales and gross receipts.....	58	33	45	52	68	87	79	136
Current charges.....	70	52	61	75	75	86	93	119
Water supply and other utility.....	110	99	79	123	187	98	142	152
General expenditure ¹	514	307	436	528	608	818	772	1,191
Education.....	88	23	60	93	85	50	102	194
Highways.....	42	43	43	44	45	42	46	37
Public welfare.....	27	1	3	6	12	10	44	164
Health and hospitals.....	32	16	23	26	20	33	58	89
Police and fire protection.....	90	62	88	100	103	114	125	152
Sewerage and sanitation.....	56	47	48	52	62	71	88	72
Housing and urban renewal.....	25	8	23	25	36	39	43	65
Interest on general debt.....	22	14	16	21	30	30	34	42
Water supply and other utility.....	126	113	88	137	111	127	167	169
Gross debt outstanding.....	610	436	473	607	963	827	528	1,086
Long-term.....	584	422	450	565	756	810	768	1,024
Short-term.....	26	17	23	22	47	17	60	41

¹Includes items not shown separately.²Based on population as of April 1, 1980.Source: U.S. Bureau of the Census, *City Government Finances in 1979-80*, series GF80, No. 4.

**NO. 496. CITY GOVERNMENTS—PER CAPITA AMOUNTS FOR SELECTED FINANCIAL ITEMS FOR
LARGEST CITIES: 1970 TO 1980**

[Cities ranked by size of population enumerated as of April 1, 1980, except Honolulu ranked by county population. General expenditure, taxes, and indebtedness data reflect inclusion of fiscal activity of dependent school systems, where applicable. Intercity comparisons should be made with caution due to variations in responsibilities among urban areas; for details, see text, p. 272, and source. 1970 and 1980 data based on resident population enumerated as of April 1; 1975 data based on resident population estimated as of July 1, 1979]

CITIES RANKED BY POPULATION SIZE, 1980	Popula- tion, 1980 (1,000)	GENERAL EXPENDITURE			TAXES			GROSS DEBT OUTSTANDING		
		1979	1975	1980	1970	1975	1980	1970	1975	1980
New York, N.Y. ¹	7,071	\$836	\$1,522	\$1,863	\$383	\$635	\$949	\$1,101	\$1,935	\$1,505
Chicago, Ill.....	3,005	205	310	522	113	166	245	326	411	356
Los Angeles, Calif.....	2,987	169	306	406	110	175	227	483	637	947
Philadelphia, Pa. ¹	1,886	299	499	957	183	242	484	556	701	1,087
Houston, Tex.....	1,594	112	224	392	82	137	221	365	495	888
Detroit, Mich.....	1,203	234	449	919	148	206	300	438	550	745
Dallas, Tex.....	994	159	301	406	106	176	239	348	587	644
San Diego, Calif.....	876	137	233	336	63	100	134	176	188	133
Phoenix, Ariz.....	790	130	312	502	72	106	158	295	497	647
Baltimore, Md. ¹	787	639	1,045	1,316	222	303	424	649	644	782
San Antonio, Tex.....	785	88	167	316	50	87	99	290	485	1,259
Honolulu, Hawaii ¹	763	204	322	366	134	178	237	387	304	309
Indianapolis, Ind. ¹	701	127	325	596	67	121	180	205	368	486
San Francisco, Calif. ¹	679	603	853	1,237	300	368	506	575	732	1,038
Memphis, Tenn.....	646	294	483	724	75	110	158	588	829	933
Washington, D.C. ¹	638	1,011	1,960	3,099	517	741	1,476	621	1,571	2,605
San Jose, Calif.....	637	156	229	312	66	105	167	235	269	275
Milwaukee, Wis.....	638	219	269	483	93	116	142	344	364	469
Cleveland, Ohio.....	574	196	362	608	127	134	243	454	597	754
Columbus, Ohio.....	565	192	261	479	58	116	184	451	549	1,152
Boston, Mass. ¹	563	554	1,088	1,532	349	532	781	465	646	1,056
New Orleans, La. ¹	557	182	344	660	102	145	250	387	456	818
Jacksonville, Fla. ¹	541	135	381	511	74	99	153	456	1,027	1,249
Seattle, Wash.....	494	209	390	556	75	155	247	537	943	1,047
Denver, Colo. ¹	491	306	581	814	136	230	378	532	720	795
Nashville-Davidson, Tenn. ¹	456	360	606	779	171	290	382	718	940	1,396
St. Louis, Mo. ¹	453	225	382	665	162	251	433	254	304	347
Kansas City, Mo.....	448	245	396	657	111	210	371	570	695	617
El Paso, Tex.....	425	92	144	285	59	82	103	218	197	127
Atlanta, Ga.....	425	236	422	950	92	162	251	538	1,237	2,356
Pittsburgh, Pa.....	424	192	251	604	119	132	273	278	287	451
Oklahoma City, Okla.....	403	232	364	518	122	184	218	251	438	954
Cincinnati, Ohio.....	385	502	856	767	114	206	315	608	647	309
Fort Worth, Tex.....	385	123	212	346	72	116	170	296	492	560
Minneapolis, Minn.....	371	178	407	630	92	144	203	183	424	1,180
Portland, Oreg.....	368	196	292	509	95	124	217	162	120	772
Long Beach, Calif.....	381	260	412	682	81	142	170	82	357	295
Tulsa, Okla.....	361	125	309	476	54	118	180	453	784	1,143
Buffalo, N.Y.....	358	367	726	1,137	143	224	276	519	711	715
Toledo, Ohio.....	355	171	291	425	77	104	172	193	305	456
Miami, Fla.....	347	135	231	407	105	143	244	268	300	429
Baton Rouge, La. ¹	346	146	264	474	87	148	215	413	833	1,218
Austin, Tex.....	345	169	324	457	61	97	158	861	899	2,504
Oakland, Calif.....	339	232	364	631	122	164	217	251	438	728
Albuquerque, N. Mex.....	332	181	287	444	85	84	122	399	371	811
Tucson, Ariz.....	331	149	329	353	66	115	182	271	647	435
Newark, N.J.....	329	451	854	1,164	261	314	320	317	422	426
Charlotte N.C.....	314	156	318	494	78	133	177	336	546	637
Omaha, Nebr.....	312	116	359	444	65	119	218	145	310	412
Louisville, Ky.....	296	331	429	528	95	139	236	667	932	815
Birmingham, Ala.....	284	136	336	517	69	150	247	397	671	1,106
Wichita, Kans.....	279	222	377	1,010	71	93	149	679	833	1,964
Sacramento, Calif.....	276	206	272	472	101	132	195	379	401	310
Tampa, Fla.....	272	139	313	549	91	114	167	341	436	516
St. Paul, Minn.....	270	214	345	742	83	127	168	449	718	1,875
Norfolk, Va. ¹	267	411	672	857	140	252	354	537	739	641
Virginia Beach, Va. ¹	262	264	566	758	123	223	304	321	405	703
Rochester, N.Y.....	242	531	688	1,278	169	292	368	425	964	947
Akron, Ohio.....	237	200	267	525	77	130	194	280	552	478
St. Petersburg, Fla.....	237	120	224	366	86	85	123	235	233	570
Corpus Christi, Tex.....	232	91	156	275	63	88	134	201	309	353
Jersey City, N.J.....	224	339	602	1,082	182	270	350	325	505	557
Anaheim, Calif.....	222	142	235	392	70	110	135	169	310	566
Richmond, Va. ¹	219	530	897	370	210	393	556	787	1,303	1,429

¹Represents, in effect, city-county consolidated government.

Source: U.S. Bureau of the Census, *City Government Finances*, series GF No. 4, annual, and unpublished data.

No. 487. CITY GOVERNMENTS—FINANCES.

(In millions of dollars. For fiscal year closed)

CITIES RANKED BY POPULATION SIZE, 1960	REVENUE								Gross debt out- stand- ing
	Total ¹	General revenue						Utility revenue	
		Total ¹	Intergovernmental revenue		Taxes				
			From State and local govts.	From Federal Government	Total ¹	Property	Sales and gross receipts		
New York, N.Y. ²	17,797	15,642	5,623.5	1,266.5	6,708.9	3,228.0	1,612.0	979.4	10,645
Chicago, Ill.	1,934	1,669	226.4	491.6	736.2	315.3	330.3	110.8	1,070
Los Angeles, Calif.	2,669	1,491	140.7	266.0	674.3	239.1	295.5	1,023.2	2,811
Philadelphia, Pa. ¹	1,941	1,471	486.0	172.6	783.7	193.5	3.5	373.4	1,836
Houston, Tex.	780	637	12.6	75.9	352.5	203.0	142.2	89.8	1,416
Detroit, Mich.	1,364	1,171	324.5	259.5	360.9	178.5	37.4	99.5	697
Dallas, Tex.	475	376	7.8	68.9	215.9	122.7	67.8	63.4	582
San Diego, Calif.	419	343	54.5	64.4	115.9	38.3	70.0	51.7	117
Phoenix, Ariz.	412	361	60.0	65.4	120.8	39.1	75.8	38.5	495
Baltimore, Md. ¹	1,168	1,088	434.5	206.5	333.5	212.2	32.3	30.7	615
San Antonio, Tex.	612	241	7.8	63.1	77.6	43.1	32.0	365.8	989
Honolulu, Hawaii ¹	376	332	13.8	93.3	160.7	145.0	19.3	45.8	238
Indianapolis, Ind. ²	420	410	91.6	107.9	125.9	120.3	2.6	6.2	327
San Francisco, Calif. ¹	1,336	1,118	272.1	232.8	345.2	176.3	96.5	111.2	705
Memphis, Tenn.	959	487	226.7	77.9	102.1	72.8	17.1	436.6	609
Washington, D.C. ¹	1,961	1,868	30.5	762.6	940.9	219.4	226.0	17.5	1,661
San Jose, Calif.	290	240	36.6	18.9	106.0	27.8	50.8	1.9	175
Milwaukee, Wis.	405	340	133.2	23.9	90.2	66.3	1.2	21.6	311
Cleveland, Ohio	434	365	34.9	60.0	139.4	43.9	1.4	76.7	433
Columbus, Ohio	291	254	26.2	50.9	92.8	10.3	1.2	36.5	660
Boston, Mass. ¹	905	829	256.2	111.8	439.9	434.8	-	32.0	584
New Orleans, La. ²	422	362	37.6	119.1	136.1	42.2	114.8	19.5	456
Jacksonville, Fla. ¹	567	290	62.9	42.1	62.6	66.0	22.1	286.0	675
Seattle, Wash.	485	329	65.7	54.1	122.2	41.7	53.3	115.3	517
Denver, Colo. ²	525	473	69.5	60.9	165.6	83.9	101.0	39.7	361
Nashville-Davidson, Tenn. ²	661	415	62.1	63.0	174.1	105.1	54.6	254.2	637
St. Louis, Mo. ²	480	241	45.6	106.8	196.2	34.2	64.7	12.0	157
Kansas City, Mo.	353	313	14.1	66.1	166.1	26.2	70.6	20.8	277
El Paso, Tex.	151	126	3.1	47.9	44.0	24.8	17.5	16.6	54
Atlanta, Ga.	391	333	49.0	54.2	106.7	63.2	31.3	34.5	1,001
Pittsburgh, Pa.	259	237	31.7	62.0	115.8	65.8	6.9	14.3	191
Oklahoma City, Okla.	245	218	4.0	67.9	66.0	24.3	61.7	16.3	366
Cincinnati, Ohio	356	311	56.8	69.5	121.4	26.7	1.4	24.4	164
Fort Worth, Tex.	162	153	3.3	29.6	65.6	36.1	24.9	17.6	216
Minneapolis, Minn.	261	241	67.0	50.8	75.2	62.3	7.6	13.2	436
Portland, Oreg.	211	192	15.0	44.7	79.6	57.1	10.6	17.4	263
Long Beach, Calif.	346	264	10.0	64.7	61.3	19.2	33.0	62.2	107
Tulsa, Okla.	207	161	4.4	33.0	64.9	9.8	53.1	17.8	413
Buffalo, N.Y.	436	425	196.2	66.0	96.9	66.1	6.7	11.3	256
Toledo, Ohio	173	161	14.6	49.3	61.1	8.7	4	12.1	162
Miami, Fla.	163	167	30.3	25.2	64.7	65.7	24.2	-	149
Baton Rouge, La. ²	163	167	15.7	44.4	74.3	19.1	50.1	1.6	421
Austin, Tex.	324	152	29.7	24.0	54.5	33.0	19.6	159.4	665
Oakland, Calif.	223	211	16.9	46.0	73.5	25.4	32.2	-	247
Albuquerque, N. Mex.	174	167	40.8	33.3	40.4	23.1	12.5	17.2	269
Tucson, Ariz.	173	141	31.2	29.1	60.3	9.2	48.6	28.4	144
Newark, N.J.	407	391	240.3	25.5	105.4	69.4	27.6	14.7	140
Charlotte, N.C.	171	156	29.4	40.2	56.8	52.1	-	12.2	200
Omaha, Neb.	146	140	19.7	26.1	67.9	31.7	32.1	-	129
Louisville, Ky.	210	174	13.3	64.3	70.6	21.1	3.6	26.6	243
Birmingham, Ala.	161	139	6.2	22.0	70.4	14.6	21.6	-	315
Wichita, Kans.	173	150	12.9	32.8	41.8	33.1	6.7	15.5	664
Sacramento, Calif.	148	130	15.4	17.6	63.7	17.4	27.4	7.7	65
Tampa, Fla.	173	141	17.4	35.3	50.8	23.6	23.3	17.6	141
St. Paul, Minn.	177	164	39.0	36.9	45.0	29.9	12.6	11.4	607
Norfolk, Va. ²	239	216	66.5	32.2	94.6	46.1	37.5	15.5	171
Virginia Beach, Va. ²	195	189	60.7	16.1	79.7	45.2	25.2	6.6	184
Rochester, N.Y.	296	266	110.0	60.0	63.7	67.8	4.6	13.5	229
Akron, Ohio	134	122	10.8	37.3	46.0	10.4	1	12.2	113
St. Petersburg, Fla.	103	66	12.5	16.2	29.2	14.4	12.6	10.4	136
Corpus Christi, Tex.	104	73	9	23.7	31.1	16.6	11.6	30.6	62
Jersey City, N.J.	239	226	66.0	6.8	78.3	57.9	19.7	9.0	126
Anaheim, Calif.	148	76	10.7	6.6	30.0	8.2	19.5	71.4	126
Richmond, Va. ¹	317	249	66.6	29.9	121.9	70.4	33.6	62.4	313

- Represents zero or rounds to zero.
consolidated government.¹Includes categories not shown separately.²Represents, in effect, city-county

LARGEST CITIES: 1980

In the 12 months ending June 30, 1980

EXPENDITURE									CITIES RANKED BY POPULATION SIZE, 1980
Total ¹	General expenditure								
	Total ¹	Education	High-ways	Public welfare	Health and hospitals	Police protection	Fire protection	Housing and urban renewal	
15,872	13,171	3,279.3	265.4	888.0	1,239.3	755.0	363.1	653.3	New York, N.Y. ¹
1,778	1,570	33.1	148.9	12.4	99.4	374.3	111.4	81.0	Chicago, Ill.
2,088	1,211	27.8	71.0	-	7.6	257.4	120.5	53.1	Los Angeles, Calif.
2,088	1,815	39.1	57.7	89.8	92.3	210.0	69.6	58.8	Philadelphia, Pa. ²
741	828	-	47.2	-	23.7	97.7	70.2	2.9	Houston, Tex.
1,391	1,108	15.8	53.4	.2	104.5	185.6	52.0	85.0	Detroit, Mich.
480	389	.2	30.7	-	5.7	54.5	33.9	11.9	Dallas, Tex.
377	294	7.1	21.0	-	3.2	45.1	23.9	31.4	San Diego, Calif.
451	384	5.5	47.7	1.1	.8	63.8	28.8	20.8	Phoenix, Ariz.
1,118	1,035	315.3	71.9	4.8	82.8	80.4	40.8	41.5	Baltimore, Md. ¹
741	248	3.5	13.4	1.5	14.2	31.9	16.1	28.9	San Antonio, Tex.
358	278	-	23.4	-	4.9	41.4	19.3	14.9	Honolulu, Hawaii ³
442	417	5.7	35.7	40.8	70.1	35.7	17.3	8.8	Indianapolis, Ind. ¹
1,123	840	18.7	12.8	122.2	118.6	87.2	43.9	22.8	San Francisco, Calif. ²
929	488	190.8	20.2	.5	9.1	41.4	33.8	18.8	Memphis, Tenn.
2,110	1,878	383.4	75.2	332.3	178.1	181.6	84.7	109.1	Washington, D.C. ¹
210	199	-	33.5	-	1.1	30.1	17.3	3.9	San Jose, Calif.
357	313	.3	41.7	-	10.0	53.5	27.7	41.4	Milwaukee, Wis.
419	349	-	15.3	1.8	8.8	84.3	30.5	8.1	Cleveland, Ohio
330	271	-	24.2	-	8.1	38.0	23.2	21.8	Columbus, Ohio
845	803	258.8	28.7	3.6	87.0	75.9	53.8	48.4	Boston, Mass. ¹
417	380	.4	20.3	3.3	7.8	34.6	18.5	28.4	New Orleans, La. ³
587	278	-	18.8	2.9	46.9	27.9	15.9	18.1	Jacksonville, Fla. ²
427	278	3.2	19.2	-	14.0	31.6	27.8	35.9	Seattle, Wash.
478	400	-	18.7	59.6	88.2	42.5	22.4	6.8	Denver, Colo. ²
639	355	135.3	18.3	4.6	31.6	23.9	15.0	1.6	Nashville-Davidson, Tenn. ¹
428	382	3.8	20.8	3.5	89.9	56.1	17.1	28.5	St. Louis, Mo. ¹
323	295	15.0	28.1	.8	20.3	43.7	23.2	15.4	Kansas City, Mo.
152	121	-	8.4	-	3.4	17.2	9.8	3.4	El Paso, Tex.
456	414	4.3	13.3	2.7	.3	28.3	14.4	18.8	Atlanta, Ga.
281	256	-	13.3	-	1.4	31.2	20.8	57.5	Pittsburgh, Pa.
247	209	.3	22.2	-	1	19.8	14.8	7.4	Oklahoma City, Okla.
340	298	-	23.3	-	20.5	34.8	25.8	27.7	Cincinnati, Ohio
189	133	-	20.7	-	2.8	16.7	13.3	5.2	Fort Worth, Tex.
278	234	-	26.3	-	5.9	23.7	15.0	37.7	Minneapolis, Minn.
233	187	-	14.3	-	1.2	26.5	20.0	9.5	Portland, Oreg.
337	346	2.9	14.8	-	3.5	34.8	23.0	23.8	Long Beach, Calif.
201	172	.3	14.7	-	3.3	13.6	12.8	8.4	Tulsa, Okla.
415	407	158.5	10.2	1	1.0	25.9	20.7	14.7	Buffalo, N.Y.
183	151	-	15.8	-	6.2	21.0	17.8	11.1	Toledo, Ohio
155	141	-	11.2	.2	.4	23.4	21.2	9.2	Miami, Fla.
173	184	-	13.5	1	22.3	18.9	8.8	1.5	Baton Rouge, La. ³
482	158	.2	11.0	.3	42.2	14.8	10.5	5.9	Austin, Tex.
238	214	1.2	10.8	-	-	25.3	21.0	22.1	Oakland, Calif.
203	147	-	15.0	-	3.3	19.4	12.7	6.2	Albuquerque, N. Mex.
184	117	-	11.1	-	-	18.6	11.5	5.7	Tucson, Ariz.
401	383	176.8	4.1	29.0	3.7	35.0	25.9	.8	Newark, N.J.
176	155	-	15.8	1	1	15.8	11.9	10.7	Charlotte, N.C.
142	138	.3	23.8	1	2.1	18.4	12.6	5.5	Omaha, Nebr.
186	158	-	7.1	-	5.9	24.4	12.3	30.8	Louisville, Ky.
153	147	5.8	16.2	-	.5	17.4	14.6	8.8	Birmingham, Ala.
313	282	-	17.8	-	3.6	8.9	7.0	2.3	Wichita, Kans.
145	130	-	5.9	-	1	24.0	16.7	11.6	Sacramento, Calif.
175	149	-	9.4	-	.2	21.0	15.8	1.7	Tampa, Fla.
218	201	-	14.5	.7	3.9	15.9	11.6	28.6	St. Paul, Minn.
245	229	73.9	8.8	18.0	11.5	17.2	10.5	20.7	Norfolk, Va. ¹
217	199	81.8	15.3	6.3	3.3	10.5	4.8	.6	Virginia Beach, Va. ¹
323	309	138.1	23.2	-	-	19.5	16.4	21.5	Rochester, N.Y.
137	124	-	10.4	-	2.4	13.6	8.8	22.7	Akron, Ohio
119	87	-	13.6	.3	-	15.5	6.1	4.1	St. Petersburg, Fla.
94	84	-	7.2	.1	2.8	7.8	5.3	.2	Corpus Christi, Tex.
255	242	86.5	4.4	2.2	80.2	19.8	16.8	2.8	Jersey City, N.J.
184	87	-	5.8	-	-	13.3	8.0	1.8	Anaheim, Calif.
348	274	81.1	16.5	35.6	6.3	12.4	9.5	11.2	Richmond, Va. ¹

Source: U.S. Bureau of the Census, *City Government Finances in 1979-80*, series GP80, No. 4.

NO. 400. ESTIMATED STATE AND LOCAL TAXES PAID BY A FAMILY OF FOUR IN SELECTED LARGE CITIES, BY INCOME LEVEL: 1980

[Preliminary. Data based on average family of four (wage earner, wife or husband, and two children) which owns its own home and lives in city where taxes apply. Comprises State and local sales, income, auto, and real estate taxes]

CITY	TOTAL TAX PAID BY INCOME LEVEL						PERCENT OF INCOME BY INCOME LEVEL					
	\$10,000	\$17,000	\$25,000	\$35,000	\$50,000	\$75,000	\$10,000	\$17,000	\$25,000	\$35,000	\$50,000	\$75,000
Atlanta	632	1,208	1,878	2,868	4,088	6,128	6.3	7.1	7.8	8.2	8.1	8.2
Baltimore	950	1,720	2,844	3,703	5,138	7,518	9.5	10.1	10.7	10.7	10.3	10.0
Boston	1,521	2,679	4,033	5,837	8,028	11,881	15.2	15.8	16.1	16.1	16.0	15.8
Chicago	1,067	1,714	2,480	3,334	4,528	6,390	10.7	10.1	9.9	9.5	9.1	8.5
Cleveland	711	1,198	1,834	2,584	3,588	5,388	7.1	7.0	7.3	7.4	7.2	7.2
Columbus, Ohio	640	1,085	1,873	2,372	3,210	5,008	6.4	6.4	6.7	6.8	6.8	6.7
Dallas	584	948	1,337	1,741	2,338	3,248	5.9	5.8	6.4	5.0	4.7	4.3
Denver	494	908	1,438	2,081	2,888	4,048	4.9	5.3	5.7	6.0	5.7	5.4
Detroit	837	1,736	2,641	3,711	5,200	7,688	8.4	10.2	10.6	10.6	10.4	10.2
El Paso	478	755	1,088	1,374	1,834	2,511	4.8	4.4	4.2	3.9	3.7	3.4
Honolulu	607	1,288	2,167	3,187	4,857	7,252	6.1	7.8	8.8	9.1	9.3	9.7
Houston	627	998	1,408	1,834	2,452	3,394	6.3	8.9	5.8	5.2	4.9	4.5
Indianapolis	780	1,334	1,891	2,636	3,510	4,962	7.9	7.7	7.8	7.2	7.0	6.8
Jacksonville	174	375	673	980	1,415	2,027	1.7	2.2	2.7	2.8	2.8	2.7
Kansas City, Mo.	661	1,291	1,929	2,748	3,882	5,805	6.5	7.8	7.7	7.8	7.7	7.7
Los Angeles	379	781	1,321	2,088	3,288	6,068	3.8	4.8	5.9	5.9	6.8	6.1
Memphis	614	912	1,229	1,555	2,006	2,882	6.1	5.4	4.9	4.4	4.0	3.8
Milwaukee	834	1,750	2,793	3,821	5,882	8,557	8.3	10.3	11.0	11.2	11.3	11.4
Nashville	537	786	1,040	1,302	1,688	2,183	5.4	4.8	4.2	3.7	3.3	2.9
New Orleans	219	318	548	833	1,389	2,275	2.2	1.8	2.2	2.7	2.8	3.0
New York City	1,198	2,108	3,484	5,383	8,218	12,988	11.4	12.4	13.8	15.4	16.4	17.3
Philadelphia	1,108	1,801	2,588	3,510	4,734	6,817	11.1	10.8	10.8	10.0	9.6	9.1
Phoenix	504	818	1,470	2,183	3,067	4,362	5.0	5.4	5.9	8.2	6.1	5.8
San Antonio	521	828	1,181	1,506	2,014	2,772	5.2	4.8	4.8	4.3	4.0	3.7
San Diego	444	883	1,487	2,282	3,848	6,423	4.4	5.2	5.8	6.5	7.3	6.6
San Francisco	434	880	1,450	2,241	3,817	6,378	4.3	5.2	5.8	6.4	7.2	8.5
San Jose	440	888	1,482	2,255	3,835	6,404	4.4	5.2	5.8	6.4	7.3	8.5
Seattle	514	791	1,084	1,380	1,786	2,448	5.1	4.8	4.3	3.9	3.8	3.3
St. Louis	792	1,519	2,288	3,189	4,488	6,658	7.9	6.8	9.1	9.1	6.9	■
Washington, D.C.	621	1,282	2,148	3,282	4,914	7,807	6.2	7.5	8.6	9.3	9.8	10.1
30-city average	686	1,190	1,821	2,588	3,700	5,586	6.7	7.0	7.3	7.4	7.4	7.4

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Burdens in Washington, D.C. Compared With Those in the Nation's Thirty Largest Cities, 1980*.

NO. 400. RESIDENTIAL PROPERTY TAX RATES IN SELECTED LARGE CITIES: 1980

CITY	EFFECTIVE TAX RATE PER \$100		Assessment level (percent)	Nominal rate per \$100	CITY	EFFECTIVE TAX RATE PER \$100		Assessment level (percent)	Nominal rate per \$100
	Rank	Rate				Rank	Rate		
Boston	1	4.80	18.2	25.29	Cleveland	16	1.58	35.0	6.10
Detroit	2	4.01	50.0	8.02	El Paso	17	1.48	100.0	1.48
Indianapolis	3	3.48	33.3	10.48	San Francisco	18	1.23	25.0	4.92
Chicago	4	2.73	27.8	9.79	Columbus, Ohio	19	1.22	35.0	4.00
Baltimore	5	2.39	39.0	6.13	San Jose	20	1.18	25.0	4.77
Milwaukee	5	2.39	83.4	2.88	Los Angeles	21	1.13	25.0	4.54
Philadelphia	7	2.25	33.3	6.75	Washington, D.C.	22	1.10	80.4	1.22
Atlanta	8	2.21	■	5.52	Kansas City, Mo.	23	1.08	13.9	7.69
Houston	8	2.21	(1)	4.04	Nashville	24	1.04	15.3	6.83
Dallas	8	2.21	■	2.21	San Diego	24	1.04	25.0	4.18
St. Louis	11	2.08	33.3	6.25	New Orleans	26	.94	10.0	9.36
San Antonio	12	2.05	100.0	2.05	Seattle	27	.91	62.3	1.48
Jacksonville	13	1.87	98.4	1.98	Denver	28	.73	8.7	8.41
New York City	14	1.78	20.0	8.96	Honolulu	29	.67	44.0	1.52
Memphis	15	1.71	25.0	■	Phoenix	30	.66	6.5	10.16

¹Assessment levels: city and school districts 100%; county, hospital, flood, and junior college districts 32.0%. ²Effective rate = nominal rate times assessment level times 12.5% roll back.

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Burdens in Washington, D.C. Compared With Those in the Nation's Thirty Largest Cities, 1980*.

No. 500. GOVERNMENTAL EMPLOYMENT AND PAYROLL: 1950 TO 1981

[For October. 1950 excludes Alaska and Hawaii. Covers both full-time and part-time employees. See table 686 for related data. See also *Historical Statistics, Colonial Times to 1970*, series Y 272-307]

LEVEL OF GOVERNMENT	1950	1955	1960	1965	1970	1975	1977	1978	1979	1980	1981
EMPLOYEES (1,000)											
Total	6,402	7,432	6,968	10,599	13,028	14,973	15,613	15,628	15,971	16,213	15,968
Federal (civilian)	2,117	2,378	2,421	2,588	2,881	2,890	2,848	2,885	2,869	2,898	2,865
State and local	4,285	5,054	6,387	8,001	10,147	12,084	12,765	12,743	13,102	13,315	13,103
Percent of total	68.9	66.0	72.5	75.6	77.9	80.7	81.8	81.5	82.0	82.1	82.1
State	1,057	1,250	1,527	2,028	2,755	3,271	3,491	3,539	3,699	3,753	3,726
Local	3,228	3,804	4,860	5,973	7,392	8,813	9,274	9,204	9,403	9,562	9,377
PAYROLL, OCTOBER (mil. dol.)											
Total	1,528	2,265	3,333	4,884	8,334	13,224	15,338	16,483	18,077	19,935	21,193
Federal (civilian)	613	346	1,118	1,484	2,428	3,584	3,918	4,344	4,728	5,205	5,239
State and local	915	1,419	2,215	3,400	5,906	9,640	11,420	12,139	13,349	14,730	15,954
Percent of total	59.9	62.6	68.5	69.6	70.9	72.9	74.5	73.7	73.8	73.9	75.3
State	218	340	524	849	1,612	2,653	3,195	3,483	3,869	4,285	4,668
Local	696	1,078	1,691	2,551	4,294	6,987	8,225	8,656	9,480	10,445	11,287
AVERAGE ANNUAL PERCENT CHANGE ¹											
Employees, total	- .5	3.0	3.5	3.8	4.2	2.4	2.1	.1	2.2	1.5	- 1.5
Federal	- 8.9	2.4	.4	1.3	2.2	.6	- .7	1.3	- .5	1.0	- 1.2
State and local	6.1	3.4	4.8	4.6	4.9	2.9	2.8	- .2	2.8	1.6	- 1.6
Payroll, total	9.6	8.2	8.0	7.9	11.3	9.6	7.7	7.5	9.7	10.3	6.3
Federal	- .9	6.7	5.7	5.8	10.3	8.8	4.6	10.9	8.7	10.1	.6
State and local	14.3	9.2	9.3	8.9	11.7	9.9	8.8	6.3	10.0	10.3	8.3

¹ Represents average for period of interval shown; for 1950, change from 1945. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) denotes decrease.

No. 501. GOVERNMENTAL EMPLOYMENT AND PAYROLL, BY LEVEL OF GOVERNMENT AND BY FUNCTION: 1975 AND 1981

[For October. Covers both full-time and part-time employees]

FUNCTION	EMPLOYEES (1,000)					OCTOBER PAYROLL (mil. dol.)				
	Total	Federal (civilian) ¹	State and local			Total	Federal (civilian) ¹	State and local		
			Total	State	Local			Total	State	Local
1975, total	14,973	2,890	12,084	3,271	8,813	13,224	3,584	9,640	2,653	6,987
National defense ²	1,051	1,051	(x)	(x)	(x)	1,295	1,295	(x)	(x)	(x)
Postal Service	692	692	(x)	(x)	(x)	848	848	(x)	(x)	(x)
Education	6,294	22	6,272	1,400	4,872	4,965	24	4,960	1,022	3,939
Teachers	3,525	(x)	3,524	407	3,118	3,560	(x)	3,560	482	3,078
Highways	609	5	604	275	329	497	8	489	251	238
Health and hospitals	1,449	247	1,203	594	608	1,190	281	909	472	437
Public welfare	350	(x)	350	159	191	272	(x)	272	130	143
Police protection	664	55	609	69	540	669	83	585	75	510
Fire protection	291	(x)	291	(x)	291	250	(x)	250	(x)	250
Sanitation and sewerage	213	(x)	213	(x)	213	172	(x)	172	(x)	172
Parks and recreation	218	(x)	218	(x)	218	121	(x)	121	(x)	121
Natural resources	454	253	201	165	36	473	313	180	137	23
Financial administration	390	105	285	113	172	347	130	218	100	118
All other	2,298	480	1,837	494	1,343	2,107	604	1,503	467	1,036
1981, total	15,968	2,865	13,103	3,726	9,377	21,193	5,239	15,954	4,667	11,287
National defense ²	999	999	(x)	(x)	(x)	1,794	1,794	(x)	(x)	(x)
Postal Service	665	665	(x)	(x)	(x)	1,192	1,192	(x)	(x)	(x)
Education	6,766	18	6,768	1,603	5,165	8,035	33	8,003	1,768	6,234
Teachers	3,768	(x)	3,767	470	3,297	5,609	(x)	5,609	814	4,795
Highways	534	4	530	246	284	698	11	687	354	333
Health and hospitals	1,652	257	1,395	684	712	2,078	451	1,626	837	789
Public welfare	368	(x)	368	173	215	459	(x)	459	228	231
Police protection	718	56	663	74	589	1,099	123	975	125	851
Fire protection	312	(x)	312	(x)	312	409	(x)	409	(x)	409
Sanitation and sewerage	222	(x)	222	1	221	284	(x)	284	1	283
Parks and recreation	220	(x)	220	(x)	220	184	(x)	184	(x)	184
Natural resources	498	277	221	185	36	755	463	272	234	38
Financial administration	426	106	320	127	193	564	182	382	174	208
All other	2,548	483	2,065	634	1,430	3,644	970	2,674	948	1,726

X Not applicable. ¹ Includes employees outside United States. ² Includes international relations.
Source of tables 500 and 501: U.S. Bureau of the Census, *Public Employment*, series GE No. 1, annual.

**No. 582. STATE AND LOCAL GOVERNMENT EMPLOYMENT, PAYROLL, AND AVERAGE EARNINGS, BY
LEVEL OF GOVERNMENT: 1960 TO 1981**

[See also *Historical Statistics, Colonial Times to 1970*, series Y 274-289 and Y 292-307]

LEVEL OF GOVERNMENT AND FUNCTION	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
EMPLOYEES, OCTOBER (1,000)										
Total	6,387	8,001	10,147	12,084	12,180	12,766	12,743	13,102	13,315	13,193
Full-time	5,320	6,585	8,024	9,387	9,514	■	9,946	10,193	10,314	10,214
Part-time	1,067	1,406	2,123	2,687	2,655	2,903	2,797	2,909	3,000	2,989
FULL-TIME EQUIVALENT										
State and local	5,570	6,937	8,528	■	10,208	10,591	10,724	10,944	11,047	10,917
Education	2,525	3,337	4,258	4,952	5,003	5,134	5,202	5,291	5,341	5,302
Health and hospitals	654	789	950	1,133	1,149	1,239	1,258	1,279	1,298	1,294
Police protection	304	349	450	544	548	567	586	589	591	■
Public welfare	114	170	250	339	342	■	363	386	372	369
Other	1,973	2,292	2,621	3,130	3,157	3,296	3,337	3,419	3,447	3,358
State, total ¹	1,411	1,751	2,302	2,744	2,799	2,903	2,968	3,072	3,106	3,087
Education	390	508	803	892	973	1,006	1,018	1,046	1,063	1,063
Health and hospitals	331	362	482	570	589	614	635	653	650	654
Highways	240	284	297	271	259	■	260	257	255	244
Local, total ¹	4,159	5,186	6,226	7,354	7,407	7,688	7,758	7,871	7,941	7,830
Education	2,136	2,829	3,455	4,000	4,030	4,129	4,187	4,245	4,278	4,240
Health and hospitals	324	397	489	562	559	625	621	628	646	639
Police protection	272	308	394	476	477	497	496	515	519	523
Highways	259	286	271	298	292	290	295	285	277	285
Counties ¹	672	863	1,086	1,408	1,448	1,582	1,608	1,621	1,651	1,609
Education	(NA)	(NA)	228	279	294	319	331	341	351	344
Health and hospitals	(NA)	(NA)	227	281	282	325	327	323	325	320
Public welfare	(NA)	(NA)	111	139	142	149	150	153	158	158
Municipalities ¹	1,447	1,888	1,922	2,142	2,107	■	■	2,190	2,186	2,111
Education	(NA)	(NA)	359	378	380	358	361	366	360	346
Health and hospitals	(NA)	(NA)	■	■	158	172	170	185	186	183
Police protection	(NA)	(NA)	299	349	347	356	355	366	365	365
Fire protection	(NA)	(NA)	188	184	183	182	182	203	190	191
School districts	1,727	2,287	2,786	3,243	3,272	3,351	3,393	3,435	3,468	3,453
Townships	■	177	192	237	245	241	245	250	249	245
Special districts	302	191	228	324	335	348	351	374	406	419
PAYROLL, OCTOBER (mil. dol.)										
Total	2,215	3,400	5,806	8,640	10,369	11,429	12,139	13,349	14,730	15,964
Full-time	(NA)	3,251	5,598	9,019	■	10,672	11,335	12,506	13,792	14,953
Part-time	(NA)	150	308	622	650	748	804	843	938	1,002
Education	1,095	1,778	3,170	4,980	5,310	■	■	6,757	7,451	8,002
Health and hospitals	199	292	629	907	981	1,113	1,186	1,322	1,475	1,625
Police protection	129	184	339	585	626	699	722	814	899	975
Public welfare	39	72	150	272	296	329	350	380	413	459
Other	756	1,075	1,719	2,616	3,141	3,433	3,695	4,076	4,522	4,982
State, total ¹	545	849	1,612	2,653	2,894	3,195	3,483	3,880	4,285	4,867
Education	172	290	630	1,022	1,112	1,234	1,333	1,451	■	1,789
Health and hospitals	104	150	283	472	517	577	625	692	761	837
Highways	90	129	193	251	258	299	298	314	346	354
Local, total ¹	1,670	2,551	4,294	6,987	7,474	8,225	8,656	9,469	10,445	11,267
Education	923	1,488	2,539	3,959	4,206	4,611	4,853	5,306	5,843	6,234
Health and hospitals	93	141	246	437	484	596	561	630	714	789
Police protection	116	163	296	510	546	611	626	706	750	851
Highways	85	110	149	298	■	261	282	298	314	333
Counties ¹	229	377	639	1,183	1,295	1,489	1,584	1,726	1,935	2,080
Education	(NA)	69	149	252	286	332	357	391	444	479
Health and hospitals	(NA)	68	117	217	233	278	289	320	362	399
Public welfare	(NA)	30	61	106	114	126	131	147	159	173
Municipalities ¹	583	818	1,361	2,129	2,235	2,412	2,534	2,729	2,951	3,222
Education	(NA)	170	299	425	431	458	478	514	584	593
Health and hospitals	(NA)	56	90	143	145	160	170	178	189	212
Police protection	(NA)	130	231	384	407	463	465	515	534	608
Fire protection	(NA)	84	137	217	226	243	252	281	300	341
School districts	735	1,189	2,032	3,180	3,380	3,707	3,897	4,272	4,683	5,021
Townships	■	80	122	215	237	250	269	291	330	349
Special districts	116	87	140	300	326	367	382	483	546	612
AVERAGE OCTOBER EARNINGS (dol.)										
Full-time employees:										
State and local	399	483	597	661	1,020	1,082	1,139	1,227	1,397	1,484
Education	437	538	756	1,013	1,073	1,146	1,201	1,285	1,402	1,513
Other	368	452	642	812	972	1,021	1,065	1,175	1,279	1,418

NA Not available. ¹Includes other categories not shown separately.

Source: U.S. Bureau of the Census, *Public Employment*, series GE No. 1, annual, and unpublished data.

NO. 503. STATE AND LOCAL GOVERNMENT—EMPLOYMENT (FULL-TIME) AND SALARY, BY SEX AND RACE/ETHNIC GROUP: 1973 TO 1980

[As of June 30. Excludes school systems and educational institutions. Based on reports from State governments (44 in 1973, 48 in 1975, 47 in 1977, 45 in 1978, 48 in 1979 and 42 in 1980) and a sample of county, municipal, township, and special district jurisdictions employing 15 or more nonselected, nonappointed full-time employees. For definition of median, see Guide to Tabular Presentation]

SEX AND RACE/ETHNIC GROUP	EMPLOYMENT (1,000)						MEDIAN ANNUAL SALARY (\$1,000)					
	1973	1975	1977	1978	1979	1980	1973	1975	1977	1978	1979	1980
Total	3,809	3,888	4,416	4,447	4,576	3,867	8.6	9.8	10.9	11.7	12.3	13.3
Male	2,486	2,436	2,737	2,711	2,761	2,350	9.6	11.3	12.4	13.3	14.1	15.2
Female	1,322	1,454	1,678	1,736	1,815	1,517	7.0	8.2	9.1	9.7	10.4	11.4
White	3,115	3,102	3,480	3,481	3,568	3,146	8.6	10.2	11.3	12.0	12.8	13.8
Minority group, total ¹	693	787	936	966	1,008	721	7.5	8.8	9.7	10.4	10.9	11.8
Black	523	602	705	723	751	519	7.4	8.6	9.5	10.1	10.8	11.5
Hispanic ²	125	147	175	181	192	183	7.4	8.9	9.9	10.7	11.4	12.3

¹Includes other minority groups, not shown separately. ²Prior to 1978, this ethnic group was classified as "Spanish-speaking American."

Source: U.S. Equal Employment Opportunity Commission, *State and Local Government Information Report*, annual.

NO. 504. STATE AND LOCAL GOVERNMENT—EMPLOYMENT (FULL-TIME) AND SALARY, BY OCCUPATION, SEX, AND RACE/ETHNIC GROUP: 1980

[As of June 30. See headnote, table 503]

SEX AND RACE/ETHNIC GROUP	Total	Offi- cials/ admin- istrators	Profe- ssionals	Techni- cians	Protec- tive service	Para- profe- ssionals	Office/ clerical	Skilled craft	Serv- ice/ main- tenance
NUMBER EMPLOYED (1,000)									
Total	3,867	285	785	488	528	349	752	329	889
Male	2,350	156	427	248	489	105	87	315	520
Female	1,517	47	338	155	35	244	680	14	136
White	3,146	187	654	334	454	237	598	270	413
Minority group, total ¹	642	19	111	88	74	112	155	59	248
Black	519	12	89	47	54	98	107	40	195
Hispanic	183	5	21	14	17	12	35	16	49
PERCENT DISTRIBUTION									
Total	100.0	5.1	19.2	12.6	13.2	9.0	18.9	8.5	16.5
Male	100.0	6.7	18.2	10.4	21.0	4.5	3.7	13.4	22.1
Female	100.0	2.9	20.6	9.5	2.1	14.9	40.7	.9	8.4
White	100.0	5.9	20.8	10.6	14.4	7.5	19.0	8.8	13.1
Minority group, total ¹	100.0	2.3	13.2	7.8	8.8	13.3	18.4	7.0	29.2
Black	100.0	1.9	11.1	7.6	8.7	15.5	17.3	6.5	31.5
Hispanic	100.0	3.1	12.9	6.6	10.4	7.4	21.5	9.8	20.4
MEDIAN ANNUAL SALARY (\$1,000)									
Total	13.3	21.6	19.2	13.9	13.9	10.4	10.6	14.1	11.1
Male	15.2	23.2	20.0	15.6	16.3	11.5	11.9	14.2	11.6
Female	11.4	17.5	15.7	11.8	13.0	8.9	10.4	13.8	9.2
White	13.8	21.9	18.3	14.2	16.2	10.6	10.6	14.1	11.4
Minority group, total ¹	11.8	20.8	17.0	12.8	15.0	10.0	10.5	13.6	10.4
Black	11.5	20.9	16.0	12.1	14.6	9.6	10.4	13.4	10.2
Hispanic	12.3	20.4	17.8	13.5	15.8	12.9	10.4	13.8	10.9

¹Includes other minority groups, not shown separately.

Source: U.S. Equal Employment Opportunity Commission, *State and Local Government Information Report*, 1980.

**NO. 505. STATE AND LOCAL GOVERNMENT EMPLOYMENT (FULL-TIME EQUIVALENT) AND PAYROLL, BY
SELECTED FUNCTION, 1970 TO 1981, AND BY STATES, 1981**

[For October]

STATE	EMPLOYMENT (1,000)						OCTOBER PAYROLL (mil. dol.)					
	Education		Health and hospitals	High- ways	Police and local fire protection	Public welfare	Education		Health and hospitals	High- ways	Police and local fire protection	Public welfare
	Total	Local schools only					Total	Local schools only				
1970	4,257.5	3,350.8	950.9	588.2	839.5	249.8	3,189.7	2,442.4	529.3	341.4	491.1	148.6
1975	4,951.8	3,822.9	1,134.2	589.6	758.7	339.4	4,980.3	3,727.8	909.0	488.9	835.4	272.3
1976	5,002.7	3,861.8	1,148.9	551.4	780.4	342.2	5,310.4	3,992.8	981.4	505.0	891.7	298.1
1977	5,133.9	3,950.5	1,238.8	548.2	780.7	356.2	5,845.5	4,386.6	1,113.0	530.1	982.2	329.4
1978	5,202.3	4,002.5	1,258.2	555.0	780.9	363.6	6,186.2	4,610.2	1,186.2	560.4	1,020.1	349.5
1979	5,291.3	4,064.9	1,278.7	542.2	826.3	386.0	6,757.0	5,035.0	1,322.1	612.0	1,145.9	379.9
1980	5,341.1	4,083.8	1,296.2	532.6	817.5	371.9	7,450.9	5,521.8	1,475.5	680.3	1,223.4	413.2
1981	5,302.1	4,048.1	1,283.6	508.6	828.1	388.2	8,002.0	5,862.6	1,826.5	686.7	1,384.2	486.7
Ala.	87.7	64.2	34.5	10.7	12.6	4.5	108.7	70.9	35.0	11.3	18.9	5.2
Alaska	13.7	10.4	1.4	3.2	1.8	7	32.2	25.4	3.0	7.2	5.3	1.3
Ariz.	74.0	50.1	9.5	5.8	10.7	2.2	119.9	74.5	12.6	7.9	19.2	3.1
Ark.	55.8	41.7	13.2	8.6	8.1	2.1	62.0	42.9	12.8	7.3	6.8	2.3
Calif.	502.3	396.4	123.1	31.4	92.8	36.4	932.4	646.0	206.8	59.3	209.3	54.1
Colo.	77.9	55.7	15.8	7.4	10.8	4.1	120.0	79.7	22.7	11.4	18.1	5.5
Conn.	70.3	57.8	18.3	7.7	12.4	3.1	104.5	85.3	20.4	10.2	19.5	4.1
Del.	15.6	10.2	3.1	1.7	1.8	.6	23.8	14.6	3.1	1.5	3.1	.7
D.C.	12.8	11.3	5.5	.9	5.6	2.2	25.8	22.6	11.6	1.6	11.8	3.8
Fla.	204.4	162.7	61.9	18.2	41.8	8.7	271.1	203.4	76.8	20.4	61.3	9.0
Ga.	131.1	106.1	62.7	13.1	20.4	6.9	153.0	118.6	67.7	14.3	24.8	8.2
Hawaii	22.1	16.4	5.2	1.8	4.0	.9	35.6	24.7	6.7	2.6	6.9	1.2
Idaho	23.4	17.4	4.8	2.9	2.8	1.2	29.7	21.4	5.1	4.1	3.8	1.8
Ill.	248.3	190.2	43.8	18.3	48.4	15.6	405.2	300.6	61.1	27.3	90.1	19.3
Ind.	132.9	97.1	28.8	10.3	17.8	6.9	191.6	130.1	33.5	11.8	21.9	7.1
Iowa	77.9	57.0	18.0	9.0	7.2	5.4	116.3	79.6	21.2	12.3	10.6	6.8
Kans.	67.7	48.9	13.5	8.4	8.3	3.3	87.4	60.1	14.9	10.2	10.9	3.3
Ky.	79.8	60.4	14.6	9.1	9.1	5.4	104.4	75.0	15.9	10.0	12.8	6.4
La.	105.4	81.1	32.8	13.4	14.5	4.9	140.6	103.4	33.1	16.5	18.0	5.8
Maine	28.6	23.0	3.1	4.0	3.3	1.2	33.9	26.3	3.6	5.0	4.2	1.4
Md.	105.4	74.3	24.1	9.4	18.5	6.3	176.0	131.7	29.2	12.4	30.8	8.0
Mass.	122.7	106.5	33.1	12.1	30.0	9.3	188.8	163.2	36.6	15.9	49.0	11.4
Mich.	218.9	159.1	43.6	14.2	28.0	17.2	397.8	291.5	67.1	23.9	57.7	26.4
Minn.	103.2	78.2	22.9	10.9	9.9	10.1	149.5	104.3	30.9	18.8	16.2	12.2
Miss.	64.0	46.4	20.5	8.5	6.9	3.0	70.3	48.8	18.6	7.4	7.4	2.8
Mo.	109.2	86.9	31.4	11.0	18.3	5.6	131.3	103.9	32.7	13.3	26.6	6.0
Mont.	21.9	17.9	2.9	3.1	2.3	1.6	30.8	23.1	3.5	4.8	3.3	1.8
Nebr.	43.7	30.1	8.6	5.4	4.6	3.9	56.1	40.1	8.4	6.8	7.1	3.9
Nev.	16.8	13.0	5.4	1.9	4.5	.8	25.4	18.5	6.4	3.2	6.1	1.4
N.H.	20.9	16.1	2.6	3.1	3.4	3.0	28.1	21.9	2.8	3.7	4.9	3.0
N.J.	175.1	145.5	34.6	18.8	36.0	14.0	299.6	247.2	42.3	27.0	57.6	16.3
N.Mex.	40.7	28.2	8.2	3.8	4.7	1.7	55.7	37.0	9.1	4.8	5.7	2.1
N.Y.	348.8	284.5	153.2	44.4	80.3	51.2	647.2	527.4	210.1	81.1	156.3	64.7
N.C.	153.6	113.3	37.4	13.9	18.0	8.2	194.3	136.7	43.5	15.8	23.1	8.6
N.Dak.	18.5	13.0	2.6	2.1	1.5	1.0	30.1	21.0	3.3	3.1	2.3	1.2
Ohio	238.3	181.4	43.1	20.5	34.4	19.3	349.9	259.6	48.8	26.8	61.1	20.1
Okl.	63.5	42.6	20.2	8.3	10.6	7.3	102.2	70.0	21.4	9.2	13.5	9.9
Oreg.	67.6	50.3	11.8	7.0	9.3	4.3	104.2	74.1	15.6	10.4	17.0	5.9
Pa.	225.9	197.2	37.1	27.1	35.8	28.8	346.1	293.9	50.0	35.0	57.8	32.4
R.I.	20.2	14.4	5.6	1.7	4.4	1.5	34.1	24.8	6.2	2.2	7.0	2.0
S.C.	84.7	62.8	25.1	8.1	6.8	4.1	104.4	70.3	28.3	6.5	10.2	4.8
S.Dak.	18.4	14.1	2.7	2.6	1.9	1.0	21.7	15.6	2.8	3.2	2.4	1.1
Tenn.	102.9	77.6	31.6	11.3	15.9	7.2	134.3	96.0	32.3	11.4	20.1	7.4
Tex.	393.9	303.3	82.3	28.5	46.5	13.4	525.6	375.9	97.0	37.9	73.2	17.6
Utah	38.4	25.5	5.3	2.9	4.2	2.0	49.9	33.6	6.0	4.4	6.9	2.9
Vt.	13.9	10.2	1.5	1.8	1.4	.8	17.1	11.8	1.8	2.3	1.9	.9
Va.	142.7	107.7	28.7	14.1	17.5	6.8	183.6	137.1	33.7	16.9	25.5	7.8
Wash.	93.1	64.6	16.5	10.1	12.9	5.3	162.3	108.9	22.7	18.3	25.8	7.6
W. Va.	51.1	40.4	12.8	5.8	4.4	3.0	67.9	52.1	12.8	6.3	5.6	3.2
Wis.	115.7	78.8	20.7	11.2	16.1	10.0	162.4	120.7	26.4	16.9	27.2	12.2
Wyo.	18.5	12.5	4.2	2.4	1.8	.5	25.6	18.8	5.0	4.2	3.0	.9

Source: U.S. Bureau of the Census, *Census of Governments: 1977*, vol. 6, No. 4, *Historical Statistics on Governmental Finances and Employment*, and *Public Employment*, series GE, No. 1, annual.

No. 506. STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLL—STATES: 1970 TO 1981

[For October]

STATE	ALL EMPLOYEES (1,000)						OCTOBER PAYROLL ² (mil. dol.)					
	State			Local ¹			State			Local ¹		
	1970	1975	1981	1970	1975	1981	1970	1975	1981	1970	1975	1981
U.S.....	2,755	3,271	3,726	7,392	8,813	9,377	1,612	2,653	4,667	4,294	6,987	11,287
Ala.....	49	62	72	107	125	143	24	48	85	48	77	139
Alaska.....	10	14	19	8	14	17	9	20	40	7	19	39
Ariz.....	26	39	48	64	98	117	16	32	63	40	81	156
Ark.....	29	36	43	57	70	80	13	25	45	21	37	67
Calif.....	239	273	309	837	1,036	1,120	170	265	502	614	1,001	1,560
Colo.....	44	54	59	87	116	130	25	45	77	44	85	154
Conn.....	43	48	58	85	107	108	30	37	67	57	91	131
Del.....	13	16	18	16	19	17	7	11	22	10	15	21
D.C.....	(x)	(x)	(x)	54	54	48	(x)	(x)	(x)	37	65	89
Fla.....	79	105	122	250	349	399	43	86	145	143	266	451
Ga.....	61	82	86	162	209	240	32	59	100	74	131	237
Hawaii.....	33	39	48	10	13	12	22	35	57	8	11	18
Idaho.....	14	19	19	28	34	38	7	14	21	11	19	37
Ill.....	132	141	152	403	473	476	78	126	193	258	414	607
Ind.....	70	78	92	176	212	209	36	52	102	90	137	216
Iowa.....	42	47	54	114	126	129	23	40	70	53	85	133
Kans.....	41	46	53	94	103	111	20	32	55	41	62	105
Ky.....	46	64	65	90	104	108	23	45	77	42	64	112
La.....	65	76	95	119	144	152	32	52	109	56	91	163
Maine.....	17	18	23	33	40	46	9	13	23	14	23	38
Md.....	50	73	85	124	154	166	33	65	106	83	141	226
Mass.....	67	75	85	194	239	233	44	62	99	118	199	291
Mich.....	121	143	153	330	376	372	74	124	212	217	332	512
Minn.....	56	65	73	155	181	191	34	55	92	86	137	207
Miss.....	34	39	45	77	91	102	15	25	45	27	48	86
Mo.....	64	72	69	153	176	192	32	54	72	79	122	194
Mont.....	17	19	20	25	32	36	8	14	22	12	21	36
Nebr.....	28	30	32	65	77	83	13	21	33	30	48	84
Nev.....	8	12	14	22	26	34	5	10	20	13	22	45
N.H.....	12	16	18	26	32	33	7	11	17	10	17	34
N.J.....	65	78	100	243	307	324	44	71	133	156	270	417
N.Mex.....	23	30	41	36	44	48	12	22	45	17	29	54
N.Y.....	201	202	251	879	877	642	144	196	362	610	884	1,230
N.C.....	71	92	102	145	188	235	39	88	119	73	123	239
N. Dak.....	14	15	17	29	37	34	6	10	20	10	14	30
Ohio.....	107	119	151	372	426	430	61	91	159	195	309	486
Ola.....	49	55	70	82	103	120	22	37	79	37	59	116
Oreg.....	43	50	53	79	104	117	24	40	65	43	79	141
Pa.....	132	152	147	349	405	416	79	132	187	203	325	495
R.I.....	17	21	27	25	27	26	10	17	32	15	24	37
S.C.....	38	58	64	84	102	113	19	40	81	34	58	107
S.Dak.....	13	16	16	32	33	31	6	10	16	11	15	24
Tenn.....	55	63	75	124	159	172	26	42	83	58	104	183
Tex.....	133	172	199	381	493	590	71	138	257	194	346	682
Utah.....	23	29	31	39	48	54	12	20	35	18	28	56
Vt.....	11	12	13	14	19	18	6	9	15	6	10	16
Va.....	74	97	117	137	185	201	42	74	134	73	133	221
Wash.....	66	82	91	126	141	149	42	67	117	78	120	220
W. Va.....	35	43	42	50	55	65	16	27	43	22	36	72
Wis.....	64	75	81	184	210	219	41	60	95	94	148	242
Wyo.....	8	9	12	16	19	26	4	7	16	7	13	32

X Not applicable. ¹Subject to sampling variation. ²For all employees.

Source: U.S. Bureau of the Census, *Public Employment*, series GE, No. 1, annual.

No. 507. STATE AND LOCAL GOVERNMENT FULL-TIME EQUIVALENT EMPLOYMENT—STATES:
1970 TO 1981
[For October]

STATE	FULL-TIME EQUIVALENT EMPLOYMENT (1,000)						FULL-TIME EQUIVALENT EMPLOYMENT PER 10,000 POPULATION					
	State			Local			State			Local		
	1970	1975	1981	1970	1975	1981	1970	1975	1981	1970	1975	1981
U.S.....	2,302	2,744	3,087	6,226	7,354	7,839	113	129	136	389	346	341
Alabama.....	42	52	60	94	110	129	122	145	154	272	305	330
Alaska.....	8	13	18	7	12	15	280	379	438	234	343	385
Arizona.....	22	32	39	55	82	98	124	143	139	312	367	362
Arkansas.....	24	32	36	49	56	68	127	150	156	254	274	298
California.....	195	218	247	697	833	681	98	103	102	349	393	366
Colorado.....	36	41	43	71	95	107	161	162	148	322	376	381
Connecticut.....	36	40	50	74	89	91	126	128	158	245	269	291
Delaware.....	12	14	16	14	17	15	217	244	275	254	269	255
District of Columbia.....	(x)	(x)	(x)	49	52	48	(x)	(x)	(x)	643	726	717
Florida.....	72	94	108	223	311	355	108	113	104	329	372	349
Georgia.....	53	72	77	145	185	215	115	147	139	317	376	388
Hawaii.....	28	31	37	10	12	12	365	355	378	131	134	118
Idaho.....	11	15	15	22	27	31	151	182	160	304	326	320
Illinois.....	106	120	122	334	377	382	96	107	108	300	336	333
Indiana.....	54	56	68	145	173	178	103	110	120	280	325	325
Iowa.....	34	38	44	86	100	99	122	134	151	311	349	343
Kansas.....	31	36	40	75	80	99	139	157	169	332	354	371
Kentucky.....	39	56	57	78	67	94	121	164	156	235	269	257
Louisiana.....	53	66	81	107	130	136	148	174	189	293	343	320
Maine.....	16	17	18	25	31	33	157	157	157	255	269	294
Maryland.....	47	66	79	114	137	140	119	165	185	292	331	328
Massachusetts.....	80	66	75	168	199	197	105	116	129	296	341	341
Michigan.....	91	110	118	267	299	289	103	120	128	301	350	314
Minnesota.....	43	50	54	119	136	148	113	128	133	312	353	366
Mississippi.....	28	33	39	65	77	88	127	140	153	295	326	349
Missouri.....	53	62	60	130	149	162	114	131	121	278	312	329
Montana.....	13	15	15	21	26	28	183	204	187	296	352	359
Nebraska.....	23	26	27	51	61	65	154	170	170	344	383	409
Nevada.....	7	10	12	19	23	30	134	182	141	365	393	356
New Hampshire.....	10	13	14	17	23	27	133	153	150	228	279	284
New Jersey.....	56	70	66	210	262	277	61	95	117	293	363	374
New Mexico.....	19	26	33	31	39	44	186	224	247	300	340	331
New York.....	185	188	233	749	766	723	102	104	132	412	423	410
North Carolina.....	62	80	89	127	161	203	122	147	149	250	296	341
North Dakota.....	10	11	12	18	19	20	165	188	189	285	299	309
Ohio.....	85	95	115	304	346	353	80	88	107	286	321	326
Oklahoma.....	37	45	58	70	85	106	145	186	186	274	314	340
Oregon.....	32	39	41	64	83	93	155	169	154	308	353	360
Pennsylvania.....	118	134	125	296	340	347	100	113	105	251	268	282
Rhode Island.....	14	18	21	22	24	23	149	194	218	230	262	245
South Carolina.....	34	51	59	69	82	99	130	182	187	267	291	312
South Dakota.....	10	12	12	22	21	22	153	169	177	330	312	324
Tennessee.....	49	55	64	114	144	155	124	131	140	290	343	337
Texas.....	112	148	169	342	435	537	100	121	115	308	355	364
Utah.....	17	25	26	31	35	41	158	207	171	291	290	268
Vermont.....	9	10	11	10	13	14	203	214	212	221	272	263
Virginia.....	64	80	96	120	162	174	137	162	178	259	325	320
Washington.....	55	62	69	105	116	128	160	174	163	308	328	303
West Virginia.....	30	36	36	42	50	80	174	201	183	238	277	305
Wisconsin.....	46	53	57	137	161	164	105	115	121	309	346	345
Wyoming.....	7	8	10	13	16	23	204	208	195	398	420	458

X Not applicable.
Source: U.S. Bureau of the Census, *Public Employment*, series GE No. 1, annual.

No. 508. CITY GOVERNMENT EMPLOYMENT AND PAYROLL: 1950 TO 1981

[For October, 1972 and 1977 based on complete count of all cities; other years based on sample and subject to sampling variation. Includes only those school systems operated as part of the general city government. Represents average for period of intervals shown; for 1950, change from 1946. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (–) denotes decrease]

YEAR	ALL EMPLOYEES, FULL-TIME AND PART-TIME (1,000)		OCTOBER PAYROLL (mil. dol.)		AVERAGE ANNUAL PERCENT CHANGE ²		FULL-TIME EQUIVALENT EMPLOYMENT (1,000)			AVERAGE EARNINGS IN OCTOBER, FULL-TIME EMPLOYEES	
	Total	Excl. edu- cation	Total	Excl. edu- cation	All em- ployees	Oc- tober pay- roll	Total	Edu- cation	Other	Edu- cation	Other
1950.....	1,311	1,108	290	230	3.2	8.9	(NA)	(NA)	(NA)	(NA)	(NA)
1955.....	1,436	1,238	414	337	1.8	7.4	1,262	182	1,080	\$422	\$315
1960.....	1,692	1,439	583	471	3.3	7.1	1,447	225	1,222	502	387
1965.....	1,884	1,580	818	649	2.2	7.0	1,638	282	1,356	603	480
1970.....	2,244	1,815	1,361	1,062	3.6	10.7	1,922	359	1,563	838	681
1971.....	2,273	1,838	1,482	1,167	1.3	8.9	1,960	366	1,594	876	735
1972.....	2,375	1,918	1,854	1,302	4.5	11.6	2,029	378	1,650	951	792
1973.....	2,471	1,992	1,855	1,441	4.0	12.2	2,109	402	1,707	1,045	846
1974.....	2,491	2,009	1,965	1,560	.8	7.0	2,127	405	1,722	1,060	909
1975.....	2,506	2,074	2,129	1,725	.6	8.3	2,142	376	1,767	1,130	972
1976.....	2,443	2,021	2,235	1,804	–2.5	5.0	2,107	360	1,747	1,207	1,035
1977.....	2,511	2,084	2,415	1,959	2.8	8.0	2,170	358	1,812	1,280	1,067
1978.....	2,511	2,086	2,537	2,059	(Z)	5.1	2,165	361	1,804	1,341	1,148
1979.....	2,553	2,121	2,729	2,215	1.7	7.6	2,189	364	1,825	1,414	1,231
1980.....	2,561	2,130	2,942	2,403	.3	7.8	2,166	360	1,806	1,501	1,338
1981.....	2,469	2,056	3,222	2,640	–3.6	9.5	2,111	346	1,765	1,686	1,500

NA Not available. Z Less than .05 percent.

No. 509. CITY GOVERNMENT EMPLOYMENT AND PAYROLL—ALL CITIES AND CITIES WITH 50,000 POPULATION OR MORE: 1975 TO 1981

[As of October]

TYPE OF EMPLOYMENT	EMPLOYEES (1,000)						OCTOBER PAYROLL (mil. dol.)					
	All cities			Cities with 50,000 population or more ¹			All cities			Cities with 50,000 population or more ¹		
	1975	1980	1981	1975	1980	1981	1975	1980	1981	1975	1980	1981
Total.....	2,506	2,561	2,469	1,630	1,645	1,555	2,130	2,942	3,222	1,612	2,182	2,351
Full-time.....	2,033	2,071	2,022	1,450	1,437	1,376	2,031	2,826	3,093	1,551	2,111	2,272
Part-time.....	468	489	447	180	208	179	98	116	129	60	71	80
Full-time equivalent.....	2,143	2,198	2,111	1,508	1,493	1,429	(x)	(x)	(x)	(x)	(x)	(x)
Education ²	376	360	346	312	304	282	425	539	583	363	463	489
Percent of total.....	18	17	16	21	20	20	20	18	18	23	21	21
Instructional staff.....	277	266	255	226	224	207	346	436	468	295	376	392
Others.....	99	94	91	86	80	75	78	102	115	68	87	96
Highways.....	129	121	116	65	60	58	109	141	152	62	77	84
Public welfare.....	42	41	42	41	36	39	36	47	56	34	45	53
Hospitals.....	128	131	130	94	87	68	108	143	162	87	102	119
Health.....	38	35	32	35	32	30	35	47	50	33	44	46
Police protection.....	349	365	365	224	224	223	384	550	606	272	389	406
Fire protection.....	184	190	191	126	130	129	217	300	341	162	218	248
Sewerage.....	55	60	60	26	32	32	46	74	82	27	44	49
Sanitation.....	108	104	98	66	63	59	88	118	123	62	81	85
Parks and recreation.....	104	103	100	73	72	69	64	116	122	61	84	87
Housing, urban renewal.....	35	44	42	31	38	36	35	57	61	32	51	55
Correction.....	16	18	18	15	17	17	18	27	32	17	26	31
Libraries.....	38	34	33	28	25	23	30	38	41	23	28	29
Financial administration.....	61	69	66	34	38	36	54	85	93	33	51	54
General control.....	105	112	112	62	66	62	101	147	164	66	96	102
Local utilities ²	200	209	207	136	139	138	206	306	339	155	225	252
Water supply.....	92	93	92	51	50	50	81	116	131	50	70	81
Electric power.....	48	44	45	27	24	25	49	67	78	32	41	50
Transit.....	56	68	63	54	62	60	71	115	121	70	110	117
All other functions.....	175	171	151	139	127	109	155	206	214	125	159	161

X Not applicable. ¹1980 and 1981 data based on 1980 population; 1975 based on population estimates in 1970. ²City-operated schools and colleges only. ³Includes gas supply, not shown below.

Source of tables 508 and 509: U.S. Bureau of the Census, *City Employment*, series GE, No. 2, annual.

No. 510. CITY GOVERNMENT EMPLOYMENT AND PAYROLL—SELECTED LARGE CITIES: 1970 TO 1981

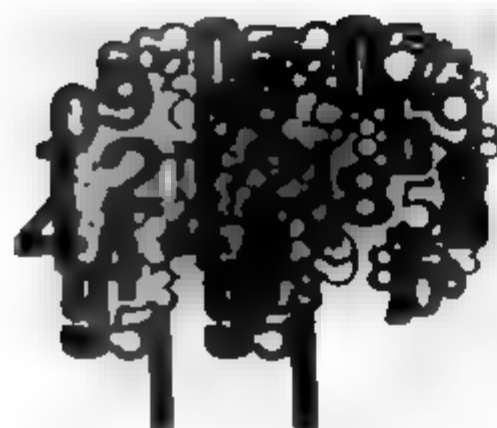
[For October. See text, p. 272]

CITIES RANKED BY POPULATION SIZE, 1980	FULL-TIME EQUIVALENT EMPLOYMENT						OCTOBER PAYROLL (mil. dol.)			AVERAGE EARNINGS IN OCTOBER, FULL-TIME EMPLOYEES (dol.)	
	Total (1,000)			Per 10,000 population ¹							
	1970	1975	1981	1970	1975	1981	1970	1975	1981	1970	1981
New York, N.Y. ^{2,3}	375	348	326	476	484	482	326	435	603	686	1,854
Chicago, Ill.	44	49	42	131	157	141	40	20	78	602	1,796
Los Angeles, Calif.	42	47	41	150	172	137	42	64	90	980	2,216
Philadelphia, Pa.	34	36	34	177	209	188	30	45	57	686	1,701
Houston, Tex.	10	14	18	81	107	114	7	13	29	679	1,621
Detroit, Mich.	26	21	20	172	153	170	21	26	49	802	2,382
Dallas, Tex.	11	13	13	134	163	146	8	13	22	683	1,837
San Diego, Calif.	5	7	7	76	89	75	5	8	13	688	1,917
Phoenix, Ariz.	5	7	8	94	110	109	4	7	15	718	1,729
Baltimore, Md. ^{2,3}	37	41	33	412	475	426	26	37	49	704	1,463
San Antonio, Tex.	8	11	10	128	143	126	5	10	13	646	1,282
Indianapolis, Ind.	6	11	12	78	160	171	3	8	14	500	1,120
San Francisco, Calif.	20	22	21	265	324	306	19	27	42	645	2,017
Memphis, Tenn. ¹	24	22	21	367	326	327	15	20	30	818	1,479
Washington, D.C. ^{4,5}	49	46	38	642	643	605	39	57	78	604	1,976
Milwaukee, Wis.	10	10	9	136	145	140	8	11	15	798	1,847
San Jose, Calif.	3	4	4	59	86	83	3	5	9	670	2,276
Cleveland, Ohio	16	13	13	210	187	180	10	13	13	621	1,680
Columbus, Ohio	5	7	7	94	124	122	4	7	10	734	1,488
Boston, Mass. ²	25	25	25	362	380	444	18	27	35	753	1,388
New Orleans, La.	10	11	10	189	186	171	5	7	12	466	1,230
Jacksonville, Fla.	6	10	10	115	194	183	4	8	15	716	1,481
Seattle, Wash.	10	9	9	188	180	172	8	10	19	820	2,182
Denver, Colo.	9	12	12	173	252	240	6	13	20	710	1,718
Nashville-Davidson, Tenn. ¹	14	16	17	319	426	367	9	15	24	632	1,414
St. Louis, Mo.	13	14	11	215	257	252	9	12	16	642	1,407
Kansas City, Mo.	6	7	8	113	137	173	4	7	11	686	1,462
El Paso, Tex.	3	4	4	86	90	99	2	3	6	582	1,356
Atlanta, Ga.	7	9	8	147	204	180	4	7	10	612	1,388
Pittsburgh, Pa.	7	6	7	135	121	136	5	5	7	679	1,116
Oklahoma City, Okla.	4	4	4	87	104	104	2	3	6	559	1,323
Cincinnati, Ohio	13	17	6	297	421	167	9	17	11	648	1,684
Fort Worth, Tex.	4	4	5	100	122	122	3	4	7	647	1,526
Minneapolis, Minn.	5	6	5	117	146	130	4	7	9	825	1,847
Portland, Oreg.	5	5	4	121	132	118	4	6	8	790	1,686
Honolulu, Hawaii	7	9	8	110	126	110	6	8	13	811	1,581
Long Beach, Calif.	5	5	5	127	152	126	4	7	9	813	1,975
Tulsa, Okla.	3	3	3	83	96	115	2	2	5	621	1,184
Buffalo, N.Y. ³	13	13	11	200	325	313	11	14	16	829	1,580
Toledo, Ohio	4	4	3	96	105	106	3	4	6	823	1,758
Miami, Fla.	4	4	4	126	100	102	3	5	7	804	1,683
Austin, Tex.	4	6	7	102	132	208	4	8	11	953	1,683
Oakland, Calif.	4	4	3	102	132	102	4	6	8	953	2,240
Albuquerque, N. Mex.	3	4	4	107	137	122	2	3	7	654	1,680
Tucson, Ariz.	2	4	4	94	150	112	2	4	6	667	1,686
Newark, N.J. ²	16	16	12	407	542	373	12	17	20	814	1,595
Charlotte, N.C.	3	4	4	113	137	121	2	4	8	667	1,469
Omaha, Nebr.	3	4	3	75	96	86	2	3	5	662	1,683
Louisville, Ky.	6	6	4	161	166	145	4	5	7	672	1,521
Birmingham, Ala.	4	4	3	120	134	120	2	3	5	573	1,387
Wichita, Kans.	3	3	3	95	115	105	2	3	4	607	1,474
Sacramento, Calif.	3	3	3	112	131	105	2	4	6	624	2,005
Tampa, Fla.	4	4	4	146	152	151	2	4	5	453	1,841
St. Paul, Minn.	3	3	3	89	120	118	2	4	6	674	1,908
Norfolk, Va. ²	10	12	10	309	401	367	8	8	13	560	1,343
Virginia Beach, Va. ²	4	7	9	257	321	337	3	5	11	(NA)	1,388
Rochester, N.Y. ²	11	10	8	366	372	319	6	11	14	739	1,681
St. Petersburg, Fla.	4	3	3	171	147	122	2	3	4	529	1,366
Akron, Ohio	3	3	3	103	124	118	2	3	5	718	1,622
Corpus Christi, Tex.	2	3	3	112	136	123	1	3	3	(NA)	942
Jersey City, N.J. ²	7	8	8	284	341	349	6	6	11	782	1,401
Baton Rouge, La.	3	3	5	69	104	134	1	2	6	528	1,186
Anaheim, Calif.	1	2	2	85	102	90	1	2	4	938	2,194
Richmond, Va. ²	10	10	10	401	442	449	7	9	12	(NA)	1,236

NA Not available. ¹1970 and 1981 based on 1970 and 1980 enumerated population; 1975 based on 1975 population estimates. ²Includes city-operated elementary and secondary schools. ³Includes city-operated university or college.

Data are for October 1980. ⁴Comprises education data for October 1980; other data are for October 1981. ⁵Data are for October 1979. ⁶Data are for October 1977. ⁷Comprises education data for October 1980; other data for October 1978.

Source: U.S. Bureau of the Census, City Employment, series GE, No. 2, annual.



Section 11

Social Insurance and Human Services

This section presents data related to governmental expenditures on social welfare; governmental programs for old-age, survivors, disability, and health insurance (OASDHI); governmental and railroad employee retirement; private pension and employee benefit plans; government unemployment and temporary disability insurance; Federal supplemental security income payments and aid to the needy; and child and other welfare services. Also included here are selected data on workers' compensation, including black lung benefits; vocational rehabilitation; the American Red Cross; United Way campaign; and philanthropic trusts and foundations.

The principal source for these data is the Department of Health and Human Services' monthly *Social Security Bulletin* which presents current data on many of the programs and summary data in annual statistical supplements. Current data on employment security are published monthly in the Department of Labor's *Unemployment Insurance Statistics*. Data on the Medicare and Medicaid programs appear periodically in the Health Care Financing Administration's *Health Care Financing Review* (quarterly), *Health Care Financing Notes*, and *Health Care Financing Program Statistics*. Statistics on aid to families with dependent children (AFDC) are presented in the U.S. Social Security Administration's monthly publication, *Public Assistance Statistics*.

Social insurance under the Social Security Act.—Programs established by the Social Security Act provide protection against wage loss resulting from retirement, prolonged disability, death, or unemployment, and protection against the cost of medical care during old age and disability. The Federal OASDHI program provides monthly cash benefits to retired or disabled insured workers and their dependents and to survivors of insured workers. To be eligible, a worker must have had a specified period of employment in which OASDHI taxes were paid. A worker becomes eligible for full benefits at age 65, although reduced benefits may be obtained up to 3 years earlier; the worker's spouse is under the same limitations. Special benefits are provided to certain persons born before Jan. 2, 1900 who do not meet insured status requirements. Survivor benefits are payable to dependents of deceased insured workers. Disability benefits are payable to an insured worker under age 65 with a prolonged disability and to the disabled worker's dependents on the same basis as dependents of retired workers. Also, disability benefits are provided at age 50 to the disabled widow or widower of a deceased worker who was fully insured at the time of death. A lump sum benefit is also payable on the death of an insured worker.

Since July 1966, the Federal "Medicare" program has provided two coordinated plans for nearly all people age 65 and over: (1) A hospital insurance plan which covers hospital and related services and (2) a voluntary supplementary medical insurance plan, financed partially by monthly premiums paid by participants, which partly covers physicians' and related medical services. Since July 1973, such insurance also applies to disabled beneficiaries of any age under certain circumstances and to persons with chronic kidney disease. (See also below under "Health and welfare services" for discussion of "Medicaid.")

Retirement, survivors, disability, and hospital insurance benefits are funded by a payroll tax on annual earnings (up to a maximum of earnings set by law) of workers, employers, and the self-employed. The maximum taxable earnings are adjusted periodically through Federal legislation to reflect increasing income levels (see table 527). Tax receipts and benefit payments are administered by Federal trust funds. Special benefits for uninsured persons; hospital benefits for persons 65 and over with specified amounts of Social Security coverage less than that required for cash benefit eligibility; and that part of the cost of supplementary medical insurance not financed by contributions from participants are financed from Federal general revenues.

Unemployment insurance is presently administered by the U.S. Employment and Training Administration and each State's employment security agency. By agreement with the U.S. Secretary of Labor, State agencies also administer unemployment compensation for eligible ex-servicemen and Federal employees, unemployment assistance under the Disaster Relief Act of 1970, workers assistance and relocation allowances under the Trade Expansion Act, and direct aid (training and related cash allowances) under Federal manpower and adjustment acts.

State unemployment insurance laws pay benefits, related to the individual's past earnings, to unemployed eligible workers. State laws vary concerning the length of time benefits are paid and their amount. In most States, benefits are payable for 26 weeks and, during periods of high unemployment, extended benefits are payable with congressional approval, under a Federal-State program to those who have exhausted their regular State benefits. The basic benefit can vary among States by over 100 percent. Some States also supplement the basic benefit with allowances for dependents.

Unemployment insurance is funded by a Federal unemployment tax levied on the taxable payrolls of most employers. Taxable payroll under the Federal Act and most State laws is the first \$6,000 in wages paid each worker during a year. Employers are allowed a percentage credit of taxable payroll for contributions paid to States under State unemployment insurance laws. The remaining percent of the Federal tax finances administrative costs, the Federal share of extended benefits, and advances to States.

Some agricultural and domestic service workers, and nonprofit organizations, although they may be covered by State law, are exempt from benefits and taxes, and railroad workers are a special case. Through legislation effective from 1974 to 1977, workers lacking sufficient covered employment to qualify for regular benefits were eligible for special unemployment assistance if they had worked in a high unemployment area. Beginning in 1978, most government employees were covered.

Social insurance for Government employees.—The civil service retirement program is the major system providing age and service, disability, and survivor annuities for Federal civilian employees. The employee contribution rate is 7 percent of total base pay; the Federal Government contributes the remainder of the cost. In addition, there are separate retirement systems for the uniformed services (supplementing OASDHI) and for a few special groups of Federal civilian employees.

State and local government employees are covered for the most part by State and local retirement systems similar to the Federal civil service retirement system. In many jurisdictions these benefits supplement OASDHI coverage.

Workers' compensation.—All States provide protection against work-connected injuries and deaths although some States exclude certain workers (e.g., domestic help). Federal laws cover Federal employees, private employees in the District of Columbia, and longshoremen and harbor workers. In addition, the Social Security Administration and the Department of Labor administer a "black lung" benefits program for coal miners disabled by pneumoconiosis and for specified dependents and survivors. Specified occupational diseases are compensable to some extent. In most States, benefits are related to the worker's salary. The benefits may or may not be augmented by dependents' allowances or automatically adjusted to prevailing wage levels.

Public aid.—State-administered public assistance programs (Aid to Families with Dependent Children (AFDC), emergency assistance and general assistance) and the Federal Supplemental Security Income (SSI) program administered by the Social Security Administration provide benefits to persons who qualify. AFDC and emergency assistance are in part federally funded while the costs of general assistance are met entirely with State and local funds.

The SSI program replaced Federal grants for aid to the aged, blind and disabled in the 50 States and the District of Columbia in 1974. Residents of the Northern Mariana Islands became eligible in 1978. Federal grants continue for aid to the aged, blind and disabled in Guam, Puerto Rico and the Virgin Islands. The SSI program provides a minimum income for the aged, blind and disabled and establishes uniform national basic eligibility requirements and payment standards. Most States supplement the basic SSI payment.

Health and welfare services.—Programs providing health and welfare services are aided through Federal grants to States for child welfare services, vocational rehabilitation, activities for the aged, maternal and child health services, maternity and infant care projects, comprehensive health services, and a variety of public health activities.

Under Medicaid, all States (except Arizona) offer basic health services to eligible low-income persons. The cost of providing these services is shared by the Federal Government, but each State determines its own eligibility criteria and may set benefits above the minimum established by Federal law. Almost all recipients of cash welfare programs are automatically eligible. In addition, 29 States extend Medicaid to families that satisfy all but the income requirements for welfare and that either have incomes which meet State definitions of "medically needy" or incur medical expenses which lower their incomes to medically needy levels.

Noncash benefits.—The Bureau of the Census annually collects data on the demographic and economic characteristics of recipients of noncash (in-kind) benefits to supplement the collection of annual money income data in the Current Population Survey (see text, p. 2 and Section 14). As for money income, the data for noncash benefits are for the calendar year prior to the date of the interview and are reported in the Current Population Reports, series P-60. The two major catego-

ries of noncash benefits covered were public transfers and employer or union-provided benefits to employees.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to HHS and Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

No. 511. SOCIAL WELFARE EXPENDITURES UNDER PUBLIC PROGRAMS AS PERCENT OF GNP AND
TOTAL GOVERNMENT OUTLAYS: 1950 TO 1979

[See headnote, table 513. For explanation of average annual percent change, see Guide to Tabular Presentation]

YEAR	TOTAL EXPENDITURES				FEDERAL				STATE AND LOCAL GOVERNMENT			
	Total (bil. dol.)	Average annual percent change ¹	Percent of—		Total (bil. dol.)	Average annual percent change ¹	Percent of—		Total (bil. dol.)	Average annual percent change ¹	Percent of—	
			Total GNP ²	Total govt. out- lays			Total GNP ²	Total Fed- eral out- lays			Total GNP ²	Total State and local govt. out- lays
1950	23.5	20.8	8.9	37.4	10.5	19.4	4.0	26.2	13.0	21.7	4.9	59.2
1960	52.3	8.3	10.5	38.4	25.0	9.0	5.0	26.1	27.3	7.7	5.5	60.1
1965	77.2	8.1	11.7	42.2	37.7	8.6	5.7	32.6	39.5	7.6	6.0	60.4
1970	145.9	13.6	15.2	48.2	77.3	15.4	6.1	40.1	66.5	11.7	7.1	64.0
1971	171.9	17.9	16.9	51.7	92.6	19.7	9.1	44.9	79.3	15.8	7.8	64.0
1972	191.4	11.3	17.2	53.2	106.3	14.8	9.6	47.4	85.0	7.2	7.6	63.8
1973	213.9	11.6	17.3	55.5	122.6	15.3	9.9	50.5	91.4	7.5	7.4	64.9
1974	239.4	11.9	17.6	56.5	137.2	11.9	10.1	52.3	102.2	11.9	7.5	64.1
1975	290.0	21.2	20.0	57.4	167.4	22.0	11.5	53.8	122.6	20.0	8.4	63.7
1976	332.4	14.6	20.4	60.3	197.4	17.9	12.1	57.0	135.0	10.1	8.3	66.2
1977	360.9	8.6	19.6	59.4	218.4	10.6	11.9	56.3	142.5	5.6	7.8	65.6
1978	304.4	9.3	19.3	57.6	240.1	9.9	11.6	55.3	154.3	8.2	7.6	62.7
1979, prel	426.3	8.6	18.5	56.8	264.1	10.0	11.4	55.0	164.2	6.5	7.1	60.4

¹ Change from prior year shown; for 1950, change from 1945.

² Gross national product.

No. 512. SOCIAL WELFARE EXPENDITURES UNDER PUBLIC PROGRAMS, TOTAL AND PER CAPITA, IN
ACTUAL AND 1979 DOLLARS: 1950 TO 1979

[See headnote, table 513. Per capita figures based on U.S. Bureau of the Census estimates of total U.S. population as of Jan. 1, including outlying areas, and Armed Forces and Federal civilian employees and dependents abroad]

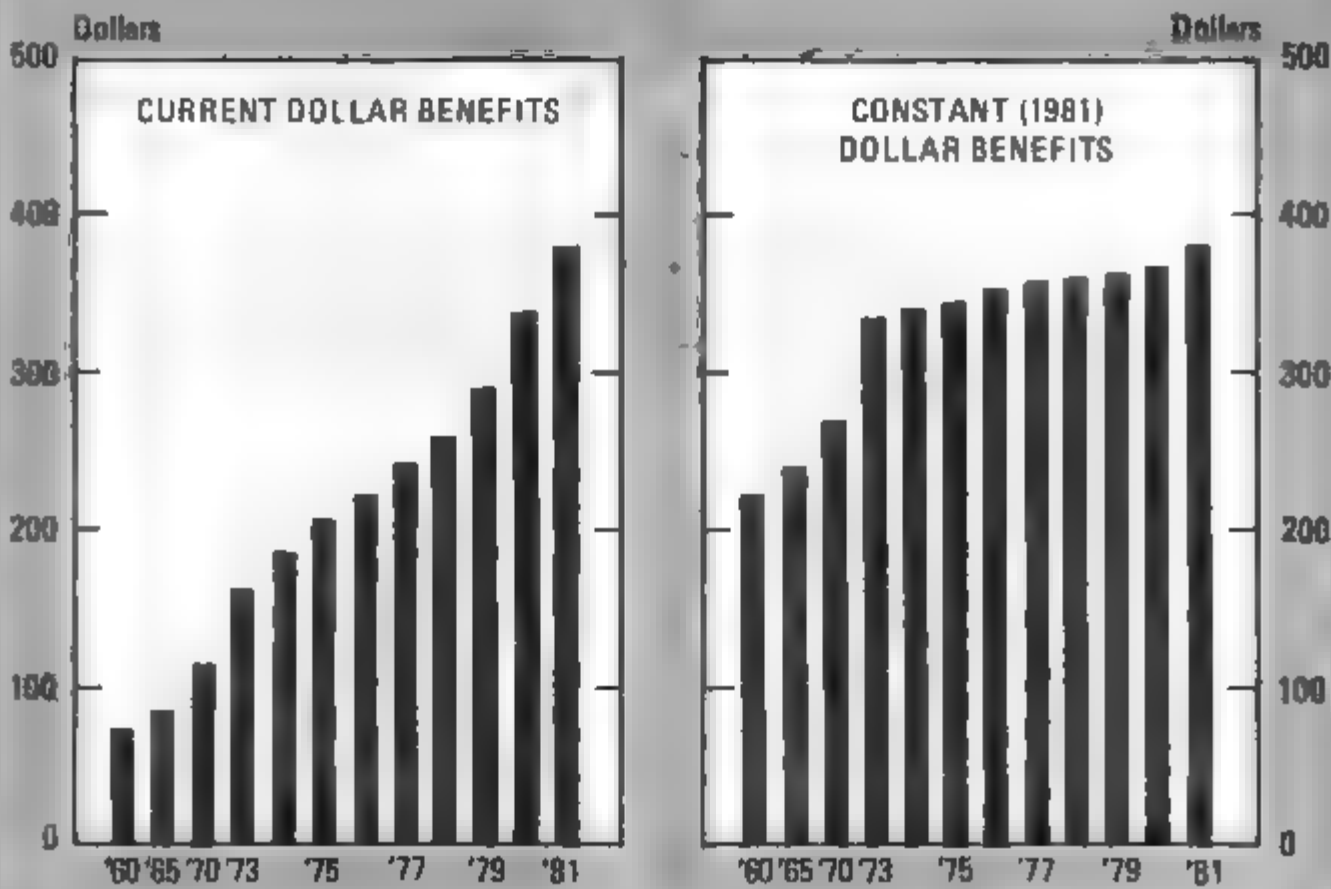
YEAR	IN ACTUAL DOLLARS								IN 1979 DOLLARS				
	Total ¹ (bil- lions)	Per capita							Total ¹ (bil- lions)	Per capita			
		Total ^{1 2}	Social insur- ance	Edu- cation	Pub- lic aid	Health and medi- cal	Vet- erans	All health and medi- cal care		Total ^{1 2}	Social insur- ance	Edu- cation	Pub- lic aid
1950.....	23.4	153	32	43	16	13	44	20	66.7	436	92	124	36
1955.....	32.5	195	59	67	18	19	28	26	81.9	490	148	166	47
1960.....	52.1	285	105	96	22	24	30	35	117.6	644	238	218	55
1965.....	76.9	391	142	143	32	32	30	48	161.6	822	299	300	67
1970.....	145.5	701	262	245	79	48	43	122	255.2	1,230	460	430	64
1973.....	213.3	1,001	402	303	135	63	60	172	326.2	1,540	618	466	206
1974.....	236.7	1,111	456	326	147	70	66	193	332.4	1,547	636	457	205
1975.....	269.3	1,336	566	373	191	82	76	239	375.3	1,733	733	464	247
1976.....	331.6	1,521	666	402	223	89	66	275	406.9	1,875	821	496	275
1977.....	360.1	1,640	730	426	243	93	66	306	418.7	1,907	846	497	262
1978.....	393.5	1,776	786	456	266	103	66	347	426.1	1,932	856	499	262
1979, prel.....	427.3	1,912	863	464	269	110	91	369	427.4	1,912	863	464	269

¹ Excludes payments within foreign countries for education, veterans, OASDHI, and civil service retirement.

² Includes data for programs not shown separately.

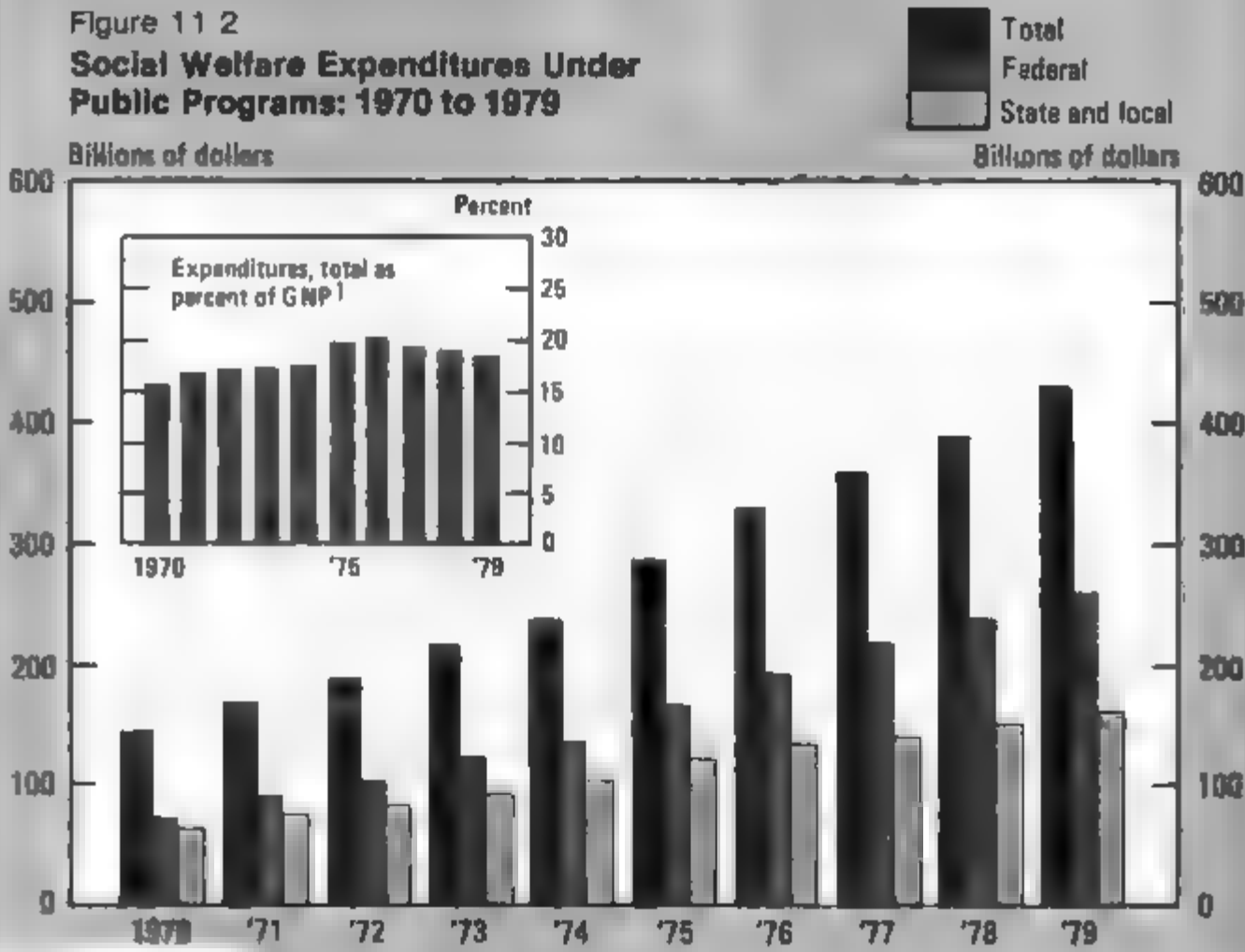
Source of tables 511 and 512: U.S. Social Security Administration, *Social Security Bulletin*, November 1981, and earlier issues.

Figure 11 1
Social Security—Average Monthly Benefit Payments to Retired Workers: 1960 to 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 535.

Figure 11 2
Social Welfare Expenditures Under Public Programs: 1970 to 1979



Product prepared by U.S. Bureau of the Census. For data, see table 511

No. 513. SOCIAL WELFARE EXPENDITURES UNDER PUBLIC PROGRAMS: 1950 TO 1979

[In millions of dollars, except percent. For fiscal years ending in year shown. Fiscal years for Federal Government (through 1976), most States, and some localities, ended June 30. Beginning 1977, Federal Government fiscal year ended Sept 30. Represents outlays from trust funds (mostly social insurance funds built up by earmarked contributions from insured persons, their employers, or both) and budgetary outlays from general revenues. Includes administrative expenditures, capital outlay, and some expenditures and payments outside U.S. See table 514 for program detail. For explanation of average annual percent change, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series H 1-47, for related but not comparable data.]

YEAR	SOCIAL WELFARE OUTLAYS			Social insurance	Public aid	Health and medical programs ¹	Veterans programs	Education	Housing	Other social welfare	All health and medical care ²
	Total	Average annual percent change	Percent from non-trust funds								
TOTAL											
1950.....	23,508	³ 20.6	34.8	4,947	2,496	2,064	6,866	6,674	15	448	3,065
1960.....	52,293	8.3	29.9	19,307	4,101	4,464	5,479	17,626	177	1,139	6,395
1965.....	77,175	8.1	33.4	26,123	6,283	6,246	6,031	28,108	318	2,066	9,535
1970.....	145,856	13.6	38.3	54,691	16,488	9,907	9,078	50,845	701	4,145	25,391
1971.....	171,908	17.9	41.5	66,369	21,262	11,087	10,456	56,705	1,047	4,983	28,775
1972.....	191,357	11.3	43.1	74,809	26,078	12,866	11,522	59,385	1,332	5,364	33,473
1973.....	213,942	11.8	45.7	86,166	28,691	13,447	13,026	64,734	2,180	5,698	36,668
1974.....	239,397	11.9	45.9	99,002	31,520	14,953	14,112	70,534	2,554	6,722	41,512
1975.....	290,047	21.2	48.2	123,013	41,328	17,708	17,019	80,863	3,172	6,947	51,673
1976.....	332,047	14.6	49.3	145,703	48,693	19,392	19,005	87,749	3,371	8,472	59,979
1977.....	360,925	8.6	47.5	160,883	53,266	20,409	19,015	93,921	4,358	9,071	67,704
1978.....	394,382	9.3	45.7	174,935	59,394	22,930	19,744	101,592	5,225	10,563	76,928
1979, prel.....	426,333	8.6	44.2	193,588	64,649	24,496	20,455	108,279	6,226	10,640	86,240
FEDERAL											
1950.....	10,541	³ 19.4	24.7	2,103	1,103	604	6,386	157	15	174	1,362
1960.....	24,957	9.0	15.9	14,307	2,117	1,737	5,367	868	144	417	2,918
1965.....	37,712	8.6	18.9	21,807	3,594	2,781	6,011	2,470	238	812	4,625
1970.....	77,337	15.4	23.9	45,246	9,649	4,775	8,952	5,876	582	2,259	16,600
1971.....	92,587	19.7	26.3	53,903	12,990	5,148	10,331	6,597	872	2,746	18,766
1972.....	106,327	14.8	31.2	61,248	16,291	6,322	11,405	6,721	1,183	3,155	22,082
1973.....	122,566	15.3	34.1	72,249	18,061	6,698	12,903	7,360	1,750	3,546	24,280
1974.....	137,191	11.9	34.6	82,832	20,388	7,145	13,874	7,042	2,009	3,902	27,499
1975.....	167,436	22.0	36.4	99,715	27,205	8,513	16,570	8,629	2,541	4,264	34,125
1976.....	197,407	17.9	40.2	119,600	32,527	9,909	18,843	9,023	2,908	4,598	41,010
1977.....	218,407	10.6	37.8	134,745	35,399	10,182	18,861	9,745	4,006	5,470	46,476
1978.....	240,121	9.9	36.6	147,252	40,013	11,566	19,570	10,884	4,887	5,949	52,960
1979, prel.....	264,118	10.0	35.7	163,744	43,612	12,150	20,266	12,097	5,802	6,449	59,437
STATE AND LOCAL											
1950.....	12,967	³ 21.7	54.1	2,844	1,393	1,460	480	6,517	-	274	1,704
1960.....	27,337	7.7	56.2	4,999	1,964	2,727	112	16,758	33	723	3,478
1965.....	39,464	7.6	57.1	6,316	2,690	3,466	20	25,638	80	1,254	4,911
1970.....	66,519	11.7	61.2	9,446	6,839	5,132	126	44,970	120	1,886	8,791
1971.....	79,320	15.8	60.6	12,466	8,272	5,939	125	50,107	175	2,237	10,008
1972.....	85,031	7.2	60.4	13,561	9,787	6,544	117	52,664	149	2,209	11,391
1973.....	91,376	7.5	61.8	13,917	10,630	6,749	123	57,374	430	2,152	12,388
1974.....	102,206	11.9	60.8	16,169	11,133	7,809	239	63,492	545	2,819	14,013
1975.....	122,612	20.0	59.3	23,298	14,122	9,195	449	72,234	631	2,683	17,581
1976.....	134,978	10.1	61.9	26,103	16,165	9,483	162	78,726	465	3,874	19,047
1977.....	142,519	5.6	61.6	26,139	17,867	10,227	155	84,176	353	3,602	21,303
1978.....	154,261	8.2	58.8	27,683	19,361	11,364	174	90,708	337	4,614	24,042
1979, prel.....	164,215	6.5	56.4	29,844	21,037	12,346	190	96,182	424	4,192	26,868
PERCENT OF TOTAL EXPENDITURES, BY TYPE											
1950.....	100.0	(x)	(x)	21.0	10.6	8.8	29.2	28.4	.1	1.9	13.0
1960.....	100.0	(x)	(x)	36.9	7.8	8.5	10.5	33.7	.3	2.2	12.2
1965.....	100.0	(x)	(x)	36.4	8.1	8.1	7.8	36.4	.4	2.7	12.4
1970.....	100.0	(x)	(x)	37.5	11.3	6.8	6.2	34.9	.5	2.8	17.4
1975.....	100.0	(x)	(x)	42.4	14.2	6.1	5.9	27.9	1.1	2.4	17.8
1979, prel.....	100.0	(x)	(x)	45.2	15.1	5.7	4.8	25.3	1.4	2.5	20.1
PERCENT FEDERAL OF TOTAL											
1950.....	44.8	(x)	(x)	42.5	44.2	29.2	93.0	2.3	100.0	36.9	44.4
1960.....	47.7	(x)	(x)	74.1	51.6	38.9	96.0	4.9	81.2	36.6	45.6
1965.....	48.9	(x)	(x)	77.5	57.2	44.5	99.7	8.8	74.9	39.3	48.5
1970.....	53.0	(x)	(x)	82.7	58.5	48.2	96.6	11.6	82.9	54.5	65.4
1975.....	57.7	(x)	(x)	81.1	65.8	48.1	97.4	10.7	80.1	61.4	66.0
1979, prel.....	61.7	(x)	(x)	64.6	67.5	49.6	99.1	11.2	93.2	60.6	68.9

- Represents zero. X Not applicable. ¹Excludes program parts of social insurance, public aid, veterans, and other social welfare. ²Combines "Health and medical programs" with medical services included in social insurance, public aid, veterans, vocational rehabilitation, and antipoverty programs. ³Change from 1945.

Source: U.S. Social Security Administration, *Social Security Bulletin*, November 1961; and earlier issues.

NO. 514. SOCIAL WELFARE EXPENDITURES, BY SOURCE

(In millions of dollars. See headnote, table 513, and Historical Statistics)

PROGRAM	1960		1970		1974		1975	
	Federal	State and local	Federal	State and local	Federal	State and local	Federal	State and local
Total	24,957	27,337	77,337	88,518	137,191	103,206	167,436	122,612
Social insurance	14,307	4,989	45,246	9,448	82,832	16,189	99,715	23,298
Old-age survivors, disability health	11,032	(x)	36,835	(x)	66,267	(x)	78,430	(x)
Health insurance (Medicare)	(x)	(x)	7,148	(x)	11,348	(x)	14,781	(x)
Public employee retirement ¹	1,520	1,050	5,517	3,142	10,785	5,893	13,339	6,780
Railroad employee retirement	935	(x)	1,610	(x)	2,693	(x)	3,085	(x)
Unemployment insurance and employment services ²	474	2,358	1,036	2,783	1,722	4,940	3,429	10,407
Other railroad employee insurance ³	284	(x)	100	(x)	57	(x)	74	(x)
State temporary disability insurance ⁴	(x)	348	(x)	718	(x)	915	(x)	990
Workers' compensation ⁵	83	1,245	148	2,803	1,267	4,422	1,357	5,122
Hospital and medical benefits	9	411	21	984	38	1,574	50	1,825
Public aid	2,117	1,984	8,848	6,839	30,988	11,133	27,206	14,122
Public assistance ⁶	2,058	1,984	7,584	6,839	13,307	10,520	14,547	12,632
Medical vendor payments (Medicaid) ⁷	200	293	2,807	2,806	5,833	4,539	7,056	6,445
Social services	(x)	(x)	522	191	1,583	582	1,983	680
Supplemental security income	(x)	(x)	(x)	(x)	2,219	813	4,802	1,290
Food stamps	(x)	(x)	577	(x)	2,839	(x)	4,694	(x)
Other ⁸	59	(x)	1,477	(x)	2,023	(x)	3,162	(x)
Health and medical programs	1,737	2,727	4,775	5,132	7,145	7,909	8,513	9,195
Hospital and medical care	884	1,870	2,045	3,286	3,577	4,457	4,238	5,186
Civilian programs	103	1,870	286	3,288	836	4,457	1,195	5,186
Defense Department ⁹	880	(x)	1,759	(x)	2,741	(x)	3,044	(x)
Maternal and child health programs	35	106	196	235	235	259	276	289
Medical research	425	23	1,485	150	2,000	222	2,360	286
Medical facilities construction	235	283	458	474	374	973	467	1,382
Defense Department	40	(x)	53	(x)	86	(x)	94	(x)
Other	57	445	590	1,004	959	1,698	1,151	2,090
Veterans programs	5,387	112	8,962	128	13,874	239	16,576	449
Pensions and compensation	3,403	(x)	5,394	(x)	6,777	(x)	7,578	(x)
Health and medical programs	954	(x)	1,784	(x)	2,954	(x)	3,517	(x)
Hospital and medical care	879	(x)	1,651	(x)	2,787	(x)	3,287	(x)
Hospital construction	80	(x)	71	(x)	119	(x)	137	(x)
Medical and prosthetic research	15	(x)	62	(x)	78	(x)	93	(x)
Education	410	(x)	1,018	(x)	3,207	(x)	4,434	(x)
Life insurance ¹⁰	484	(x)	502	(x)	539	(x)	558	(x)
Welfare and other	107	112	253	128	368	239	465	449
Education ¹¹	886	16,758	5,878	44,970	7,042	63,482	6,828	72,234
Elementary and secondary	442	14,687	2,957	35,676	3,710	48,749	4,562	55,212
Construction ¹²	71	2,581	38	4,823	22	4,957	21	5,725
Higher	263	1,898	2,155	7,752	2,178	11,778	2,084	13,521
Construction	1	357	466	1,101	214	1,173	274	1,239
Vocational and adult ¹³	105	194	803	1,542	915	2,968	940	3,501
Housing	144	33	582	120	2,009	545	2,541	621
Other social welfare	417	723	2,259	1,886	3,902	2,819	4,264	2,983
Vocational rehabilitation	64	32	567	138	793	175	814	222
Medical services and research	18	7	137	27	154	31	174	44
Institutional care ¹⁴	21	400	22	179	25	280	20	278
Child nutrition	306	93	711	185	1,614	412	2,064	454
Child welfare ¹⁵	13	189	45	541	47	463	50	547
Special OEO and ACTION programs ¹⁶	(x)	(x)	753	(x)	787	(x)	636	(x)
Welfare not elsewhere classified ¹⁷	12	(¹⁸)	161	845	657	1,510	677	1,184

X Not applicable. ¹Excludes refunds to those leaving service. Federal data include military retirement. ²Includes compensation for Federal employees and ex-servicemen, trade adjustment and cash training allowance, and payments under extended, emergency disaster and special unemployment insurance programs. ³Unemployment and temporary disability insurance. ⁴Cash and medical benefits in 5 areas. ⁵Benefits paid by private insurance carriers, State funds, and self-insurers. Beginning 1970 Federal includes black lung benefit programs. ⁶Includes payments under State general assistance programs and, beginning 1970 work incentive activities, not shown separately. ⁷Medical vendor payments are those made directly to suppliers of medical care. ⁸Refugee assistance surplus food for the needy, and work-experience training programs under the Economic Opportunity Act and the Comprehensive Employment and Training Act. ⁹Includes medical care for military dependent families. ¹⁰Excludes servicemen's group life insurance. ¹¹Federal expenditures for administrative costs (Department of Education) and research not shown separately, but included in total.

OF FUNDS AND PUBLIC PROGRAM: 1960 TO 1979

Colonial Times to 1970, series H 1-47, for related but not comparable data]

1976		1977		1970		1979, prel.		PROGRAM
Fed- eral	State and local	Fed- eral	State and local	Fed- eral	State and local	Fed- eral	State and local	
197,407	134,978	218,407	142,519	240,121	154,261	264,118	164,215	Total.
119,800	28,103	134,746	28,138	147,252	27,883	163,744	29,844	Social insurance.
90,441	(x)	105,410	(x)	117,432	(x)	131,751	(x)	Old-age, survivors, disability, health.
17,777	(x)	21,549	(x)	25,189	(x)	29,155	(x)	Health insurance (Medicare).
15,664	7,777	17,833	8,863	20,145	9,791	22,739	11,035	Public employee retirement. ¹
3,500	(x)	3,819	(x)	4,020	(x)	4,311	(x)	Railroad employee retirement.
8,251	11,334	5,939	9,510	3,768	8,831	2,460	8,853	Unemployment insurance and employment services. ²
227	(x)	189	(x)	207	(x)	152	(x)	Other railroad employee insurance. ³
(x)	1,022	(x)	1,042	(x)	1,125	(x)	1,178	State temporary disability insurance. ⁴
1,518	5,969	1,554	6,924	1,661	7,936	2,331	8,778	Workers' compensation. ⁵
68	2,137	72	2,458	88	2,732	104	3,111	Hospital and medical benefits.
32,527	16,165	35,399	17,867	40,013	19,381	43,612	21,037	Public aid.
16,529	14,668	18,765	16,321	19,444	17,761	21,307	19,396	Public assistance. ⁶
8,898	7,308	9,713	8,483	10,579	9,817	12,118	11,286	Medical vendor payments (Medicaid). ⁷
2,111	686	2,461	758	2,130	710	2,284	761	Social services.
5,042	1,497	5,273	1,546	5,573	1,620	5,890	1,642	Supplemental Security Income.
5,700	(x)	5,472	(x)	5,140	(x)	6,478	(x)	Food stamps.
5,256	(x)	5,890	(x)	9,853	(x)	9,936	(x)	Other. ⁸
9,800	9,483	10,182	10,227	11,508	11,984	12,150	12,346	Health and medical programs.
4,662	4,851	4,932	4,711	5,826	5,044	6,219	5,409	Hospital and medical care.
1,556	4,851	1,603	4,711	2,056	5,044	2,291	5,409	Civilian programs.
3,106	(x)	3,329	(x)	3,570	(x)	3,928	(x)	Defense Department. ⁹
306	287	317	315	332	331	346	344	Maternal and child health programs.
2,990	312	3,034	350	3,588	393	3,803	422	Medical research.
674	1,531	644	1,567	806	1,370	463	1,204	Medical facilities construction.
230	(x)	301	(x)	221	(x)	215	(x)	Defense Department.
1,277	2,502	1,255	3,284	1,211	4,226	1,320	4,967	Other.
16,843	162	18,861	156	19,570	174	20,266	190	Veterans programs.
6,280	(x)	9,062	(x)	9,676	(x)	10,557	(x)	Pensions and compensation.
4,108	(x)	4,671	(x)	5,238	(x)	5,552	(x)	Health and medical programs.
3,802	(x)	4,321	(x)	4,855	(x)	5,160	(x)	Hospital and medical care.
212	(x)	245	(x)	270	(x)	276	(x)	Hospital construction.
94	(x)	104	(x)	112	(x)	117	(x)	Medical and prosthetic research.
5,351	(x)	3,926	(x)	3,406	(x)	2,815	(x)	Education.
564	(x)	607	(x)	614	(x)	638	(x)	Life insurance. ¹⁰
541	162	575	155	636	174	703	190	Welfare and other.
9,023	79,726	9,746	84,176	10,884	90,708	12,097	90,182	Education. ¹¹
4,305	58,949	4,684	63,581	5,511	67,717	6,173	71,107	Elementary and secondary.
23	5,897	16	6,220	19	5,226	24	5,175	Construction. ¹²
3,572	15,170	3,664	16,167	4,056	17,816	4,506	19,605	Higher.
286	1,292	252	1,254	133	1,326	75	1,343	Construction.
698	4,607	883	4,429	958	5,175	1,030	5,470	Vocational and adult. ¹³
2,008	465	4,006	353	4,887	337	5,802	424	Housing.
4,999	3,874	5,470	3,902	5,949	4,614	6,449	4,192	Other social welfare.
937	253	973	279	1,007	291	1,040	270	Vocational rehabilitation.
173	43	208	48	227	51	225	53	Medical services and research.
17	305	18	342	20	390	56	366	Institutional care. ¹³
2,316	490	2,758	510	3,040	545	3,375	564	Child nutrition.
52	700	56	754	56	744	58	744	Child welfare. ¹⁴
572	(x)	749	(x)	881	(x)	897	(x)	Special OEO and ACTION programs. ¹⁵
704	2,128	915	1,718	945	2,644	1,026	2,226	Welfare, not elsewhere classified. ¹⁶

¹² Construction costs of vocational and adult education programs included under elementary-secondary expenditures.¹³ Federal expenditures represent primarily surplus foods for nonprofit institutions. 1980 State and local expenditures for welfare, n.e.c., included in institutional care. ¹⁴ Represents primarily child welfare services under title V of the Social Security Act.¹⁵ Includes domestic programs consolidated in 1972 under ACTION (former VISTA, Foster Grandparents, and other domestic volunteer programs) and OEO programs such as community action and migrant workers consolidated in 1974 under Community Services Administration. ¹⁶ Federal expenditures include administrative expenses of the Secretary of Health and Human Services and of the Social and Rehabilitation Service; Indian welfare, and aging and juvenile delinquency activities. State and local include antipoverty and manpower programs, child care and adoption services, legal assistance, and other unspecified welfare services.Source: U.S. Social Security Administration, *Social Security Bulletin*, November 1961 and earlier issues.

NO. 515. FEDERAL OUTLAYS FOR INCOME SECURITY BENEFITS: 1970 TO 1980

[For years ending June 30 except, beginning 1977, ending September 30]

CATEGORY AND PROGRAM	BENEFITS (mil. dol.)							PERCENT	
	1970	1975	1970	1977	1978	1970	1980	1970	1980
Total benefits	60,209	138,638	164,639	170,656	195,376	219,483	271,216	100.0	100.0
Cash benefits	48,567	109,585	128,763	138,299	147,909	181,732	200,307	80.7	73.9
In-kind benefits	11,641	30,053	35,875	41,357	47,467	53,721	70,909	19.3	26.1
Cash benefits	48,567	109,585	128,763	138,299	147,909	181,732	200,307	100.0	100.0
Social Security	29,045	62,469	71,362	82,406	90,738	101,000	118,559	59.8	59.2
Old-age, survivors insurance	26,267	54,839	62,140	71,271	78,524	87,572	103,227	54.1	51.5
Disability insurance	2,778	7,630	9,222	11,135	12,214	13,428	15,332	5.7	7.7
Federal employee benefits ¹	5,788	13,986	16,703	18,426	20,677	24,766	27,846	11.9	13.9
Military retirement	2,649	6,242	7,296	8,216	9,171	10,279	11,920	5.9	6.0
Civil service retirement	2,518	6,825	8,055	9,257	10,570	12,011	14,719	5.2	7.4
Veterans benefits ¹	5,340	8,140	8,734	9,562	10,151	11,026	11,797	11.0	5.9
Disability dependency and indemnity	2,974	4,680	5,154	5,722	6,159	6,745	7,434	6.1	3.7
Veterans pensions ²	2,255	2,739	2,859	3,113	3,239	3,521	3,585	4.6	1.6
Public assistance	3,868	8,672	9,803	10,059	10,921	10,801	13,720	8.0	6.9
Supplemental Security Income	(x)	4,081	4,440	4,618	5,234	4,782	6,411	(x)	3.2
Maintenance payments ³	3,868	4,592	5,363	5,442	5,667	5,819	7,308	8.0	3.7
Unemployment insurance ¹	2,886	12,221	17,612	12,928	10,251	8,977	17,918	5.9	9.0
State programs	2,793	11,958	16,413	12,339	9,368	8,585	15,211	5.8	7.8
Railroad retirement	1,566	3,034	3,445	3,768	3,986	4,218	4,722	3.3	2.4
Other programs ¹	74	1,063	1,105	1,149	1,183	1,142	⁴ 5,745	.2	2.9
Disabled coal miners	7	945	986	954	1,048	984	1,776	(z)	1.0
Assistance to refugees	50	70	67	134	85	112	226	.1	.1
In-kind benefits	11,641	30,053	35,875	41,357	47,467	53,721	⁵ 70,909	100.0	100.0
Food and nutrition ¹	1,580	6,468	7,714	8,278	6,500	10,205	13,976	13.7	19.7
Food stamps	551	4,357	5,266	5,026	5,133	6,443	9,117	4.7	12.9
Child nutrition ⁶	481	1,956	2,396	3,176	3,267	3,385	4,043	4.1	4.8
Health care	9,576	⁷ 21,518	25,896	30,674	36,067	⁷ 40,763	⁷ 49,969	82.3	70.5
Hospital insurance	4,804	10,355	12,267	14,906	17,513	19,898	24,288	41.3	34.3
Supplementary medical insurance	1,979	3,765	4,671	5,865	7,080	8,259	10,748	17.0	15.2
Medicaid	2,612	6,640	8,325	9,181	10,680	11,701	13,957	22.4	19.7
Military retirees care	181	548	633	721	794	869	965	1.6	1.4
Housing ⁸	475	2,072	2,264	2,405	2,900	2,753	5,404	4.1	7.6
Public housing	(NA)	1,312	1,392	1,271	1,701	1,440	1,360	(NA)	1.9

NA Not available. X Not applicable. Z Less than .05 percent. ¹Includes other benefits not shown separately. ²Includes survivors pensions. ³Basically, aid to families with dependent children. ⁴Includes Pell and Supplemental Educational Opportunity grants. ⁵Includes low income energy assistance program. ⁶Includes special milk programs. ⁷Includes medical care for retired Public Health Service officers, not shown separately. ⁸Includes rent and mortgage interest supplements.

NO. 516. FEDERAL BENEFITS FOR THE AGED, BY TYPE OF BENEFIT: 1971 TO 1982

[For years ending June 30 except, beginning 1977, ending Sept. 30]

TYPE OF BENEFIT	BENEFITS (bil. dol.)								PERCENT		
	1971	1975	1977	1978	1970	1980	1981	1982	1971	1980	1982
Total outlays	44.0	81.3	96.7	103.9	116.4	144.2	173.3	196.1	100.0	100.0	100.0
Cash benefits	34.2	64.7	72.8	76.9	85.2	101.3	122.3	136.7	77.7	70.2	70.1
Social Security	27.1	51.6	56.6	62.9	69.0	81.2	97.1	109.7	61.6	56.3	56.2
Railroad employees	1.7	2.8	3.5	3.0	3.2	3.6	4.1	4.0	3.9	2.5	2.1
Federal civilian employees	2.3	5.5	7.1	5.0	6.2	7.8	11.6	12.6	5.2	5.4	6.6
Uniformed services members .....	.7	1.1	1.6	2.0	.8	1.6	2.0	2.2	1.6	1.2	1.1
Coal miners ¹ .....	.1	.2	.3	.3	1.1	1.3	1.2	1.3	.2	.9	.7
Supplemental Security Income	² 1.4	1.6	1.7	1.9	1.7	2.3	2.6	2.7	³ 3.2	1.6	1.4
Veterans pensions ³ .....	.9	1.5	1.6	1.6	3.2	3.3	3.7	4.0	2.0	2.3	2.0
In-kind benefits	9.6	16.6	22.9	27.0	31.2	36.8	45.0	52.4	22.3	25.5	28.9
Medicare	7.5	12.6	16.3	21.5	24.6	29.3	35.8	41.8	17.0	20.3	21.4
Medicaid	1.9	2.6	3.3	3.8	4.3	4.7	6.0	6.4	4.3	3.3	3.3
Food stamps .....	.2	1.0	.8	.5	.5	.5	.9	.9	.5	.3	.5
Subsidized public housing .....	.2	.4	.8	1.1	1.6	2.3	2.3	3.3	.5	1.6	1.7
Other ⁴	(NA)	(NA)	(NA)	(NA)	.1	6.1	6.0	6.0	(NA)	4.2	3.0

NA Not available. ¹Prior to 1979, represents benefit for coal miners' widows only. ²Represents Federal grants to States for aid to the aged, blind, and disabled. ³Includes other veterans' compensation for aged beginning 1979. ⁴Includes Administration on Aging, National Institute on Aging, ACTION, White House Conference on Aging, other Federal health programs, other Social Security benefits, Farmers Home Administration and Elderly Housing Loans programs, social services, energy assistance, unemployment, and other miscellaneous discretionary program outlays.

Source of tables 515 and 516: U.S. Office of Management and Budget, *The Budget of the United States Government*, annual, and unpublished data.

NO. 517. CASH AND NON-CASH BENEFITS FOR PERSONS WITH LIMITED INCOME: 1978 TO 1980

[For years ending September 30. Programs covered in this table provide cash, goods, or services to persons who make no payment and render no service in return. In case of job and training programs and some educational benefits, recipients must work or study for wages, training allowances, stipends, grants, or loans. Most of the programs base eligibility on individual, household, or family income, but some use group or area income tests; and a few offer help on the basis of presumed need]

PROGRAM	AVERAGE MONTHLY RECEIPTS (1,000)			EXPENDITURES (mil. dol.)					
	1978	1979	1980	Total ¹			Federal		
				1978	1979	1980	1979	1979	1980
Total	(x)	(x)	(x)	82,875	90,188	102,825	63,047	68,918	78,075
Medical care ²	(x)	(x)	(x)	23,730	26,881	31,716	14,431	16,275	19,214
Medicaid ³	6,962	8,652	⁴ 9,241	18,949	21,755	25,781	10,680	12,267	14,550
Veterans ⁵	40	39	39	2,693	2,889	3,349	2,693	2,889	3,349
General assistance	(NA)	(NA)	(NA)	⁶ 873	⁶ 950	⁶ 1,101	-	-	-
Indian Health Services	⁷ 878	⁷ 734	⁷ 802	442	484	548	442	484	548
Community health centers	⁷ 3,047	⁷ 3,751	⁷ 5,000	261	259	325	261	259	325
Cash aid ⁸	(x)	(x)	(x)	24,708	25,717	29,389	16,308	17,167	19,621
A.F.D.C. ^{9,10}	11,141	10,318	10,499	11,839	12,130	13,435	6,332	6,508	7,196
Supplemental Security Income ³	4,200	4,210	4,180	7,124	7,464	8,418	¹¹ 5,485	¹¹ 5,802	¹¹ 6,350
Pensions for needy veterans ¹⁰	¹¹ 3,595	¹¹ 3,390	¹¹ 3,076	3,058	3,522	3,585	3,058	3,522	3,585
Earned Income Tax Credit	⁶ 16,900	⁶ 15,600	⁶ 21,200	1,139	1,040	2,033	1,139	1,040	2,033
General assistance ¹²	808	771	910	1,219	1,203	1,386	-	-	-
Food benefits ³	(x)	(x)	(x)	9,348	11,162	14,048	8,475	10,183	12,899
Food stamps ³	16,000	17,700	21,100	5,885	7,258	9,583	5,599	6,923	9,203
School lunch program ¹³	¹⁴ 11,700	¹⁴ 11,700	¹⁴ 12,000	2,256	2,470	2,708	¹⁵ 1,724	¹⁵ 1,883	¹⁵ 2,017
Women, infants and children ¹⁶	1,180	1,481	1,879	402	571	774	402	571	774
Nutrition program for elderly ¹⁷	2,745	2,949	3,063	326	334	385	271	277	309
Jobs and training ³	¹⁸ 3,435	¹⁸ 3,271	¹⁸ 3,164	9,763	9,343	8,708	9,700	9,266	8,625
Public service employment ¹⁹	¹⁸ 596	¹⁸ 496	¹⁸ 333	5,784	5,041	3,696	5,784	5,041	3,696
Employment and training services ¹⁹	¹⁸ 325	¹⁸ 289	¹⁸ 337	1,992	1,802	2,144	1,992	1,802	2,144
Youth employment demonstration program ¹⁹	¹⁸ 388	¹⁸ 562	¹⁸ 505	388	735	905	388	735	905
Summer youth employment program ¹⁹	¹⁸ 1,009	¹⁸ 889	¹⁸ 839	670	660	721	670	660	721
Job Corps ¹⁹	¹⁸ 28	¹⁸ 33	¹⁸ 39	280	380	470	280	380	470
Work incentive program	¹⁸ 1,013	¹⁸ 921	¹⁸ 1,037	406	428	406	385	385	385
Housing benefits ³	²⁰ 2,834	²¹ 3,040	²¹ 3,404	6,992	8,036	8,389	6,992	8,036	8,389
Rural housing loans	²¹ 101	²¹ 94	²¹ 82	²² 2,691	²² 2,986	²² 2,887	²² 2,691	²² 2,889	²² 2,887
Lower-income housing assistance	²⁰ 535	²⁰ 755	²⁰ 1,153	647	1,371	2,104	647	1,371	2,104
Low-rent public housing	²⁴ 1,173	²⁴ 1,178	²⁴ 1,192	1,788	1,817	1,361	²⁵ 1,788	²⁵ 1,817	²⁵ 1,361
Rural rental housing loans	²¹ 36	²¹ 39	²¹ 33	²² 676	²² 870	²² 861	²² 676	²² 870	²² 861
Interest reduction payments	²¹ 545	²¹ 542	²¹ 538	590	600	656	590	600	656
Education aid ³	(x)	(x)	(x)	4,184	4,631	4,620	4,007	4,445	4,412
Fell grants ²⁶	1,893	⁶ 2,500	⁶ 2,800	1,561	⁶ 2,505	⁶ 2,415	1,561	⁶ 2,505	⁶ 2,415
Headstart	391	388	376	779	846	919	623	677	735
College Work-Study Program ²⁶	853	⁶ 923	⁶ 976	416	⁶ 505	⁶ 505	416	⁶ 505	⁶ 505
Supplemental Educational Opportunity Grants ²⁶	510	⁶ 595	⁶ 650	268	⁶ 333	⁶ 355	268	⁶ 333	⁶ 355
Services	(x)	(x)	(x)	3,678	3,960	4,041	2,863	3,110	3,178
Social services	²⁷ 6,527	²⁷ 7,212	(NA)	3,459	3,679	3,648	2,644	2,809	2,785
Energy assistance	(x)	(x)	(x)	273	417	1,738	273	417	1,738
Low-income energy assistance	²⁸ 889	(NA)	²⁸ 9,700	²⁸ 143	²⁸ 218	1,539	²⁸ 143	²⁸ 216	1,539

- Represents zero. NA Not available. X Not applicable. ¹Includes State and local government expenditures not shown separately. ²Includes other programs not shown separately. ³Expenditure data include administrative expenses. ⁴As of March. ⁵Medical care for veterans with a non-service-connected disability. ⁶Estimated. ⁷Annual numbers. ⁸Aid to Families with Dependent Children program. ⁹Includes amounts for beneficiary services. Excludes Federal sums spent for SSI payments (including State supplements) to Indochinese refugees. ¹⁰Includes dependents and survivors. ¹¹Estimate. As of June. ¹²Data for Alaska and VI. were not reported. ¹³Free and reduced-price segments. ¹⁴Estimated daily average. ¹⁵Includes estimate of commodity assistance. ¹⁶Special supplemental food program for women, infants, and children. ¹⁷No income test required. Funds for home-delivered meals were first available separately in 1980. ¹⁸Number enrolled at end of year. ¹⁹Programs represent specific titles under Comprehensive Employment and Training Act. ²⁰New registrants only. ²¹Represents total families or dwelling units during year. ²²Amount of loans obligated. ²³Units eligible for payment at end of year. ²⁴Units receiving operating subsidies at end of year. ²⁵Includes operating subsidies. ²⁶Recipient data represent total numbers for an award year. Since program is forward funded, data represent number of and expenditures for students in following year. ²⁷Estimate of annual number of primary recipients. ²⁸Number of households aided during year. ²⁹Amount provided by Community Services Administration for crisis intervention programs to help low-income households with emergencies related to energy costs.

Source: Library of Congress, Congressional Research Service, "Cash and Non-Cash Benefits for Persons With Limited Income: Eligibility Rules, Recipient and Expenditure Data, FY 1978-80," Report No. 82-113 EPW, June 8, 1982.

NO. 518. PUBLIC INCOME-MAINTENANCE PROGRAMS—CASH BENEFIT PAYMENTS: 1960 TO 1980

[Includes payments outside the United States and benefits to dependents, where applicable]

PROGRAM	PAYMENTS (bil. dol.)										PERCENT	
	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1970	1979
Total ¹	25.8	36.6	64.8	112.6	138.7	162.7	183.6	174.1	184.4	(NA)	100.0	100.0
Percent of personal income ²	6.5	8.6	8.0	9.8	11.1	11.0	10.6	10.1	9.9	(NA)	(X)	(X)
Federal	20.7	30.7	50.3	91.4	109.2	123.5	134.6	139.2	155.6	(NA)	78.0	80.5
State and local	4.9	5.4	13.8	20.7	29.8	28.3	28.4	34.4	37.6	(NA)	21.1	19.5
OASDHI ³	11.1	18.1	31.8	58.2	68.8	75.3	84.3	92.5	104.0	120.8	49.0	53.5
Public employee retirement ⁴	2.6	4.6	9.2	17.8	21.9	24.2	27.1	30.5	35.0	(NA)	14.3	18.0
Railroad retirement	.9	1.1	1.8	2.8	3.3	3.6	3.8	4.0	4.4	4.9	2.8	2.2
Veterans' pensions, compensation	3.4	4.2	5.5	7.1	7.7	8.4	9.1	9.6	10.6	11.4	8.5	5.4
Unemployment benefits	3.0	2.5	4.2	7.0	18.8	18.7	13.4	10.0	10.3	18.9	6.8	5.3
Temporary disability benefits	.4	.5	.7	.9	.9	1.0	1.0	1.1	1.2	(NA)	1.1	.5
Workers' compensation ⁵	.9	1.2	2.0	4.0	4.8	5.2	5.9	6.6	6.5	(NA)	3.1	4.4
Public assistance ⁶	3.3	4.0	8.9	8.8	10.4	11.4	11.9	12.0	12.4	14.1	13.8	6.4
Supplemental security income ⁷	(X)	(X)	(X)	5.2	5.9	6.1	6.3	6.6	7.2	7.9	(X)	3.7

NA Not available. X Not applicable. ¹Includes lump sum death benefits, not shown separately. ²For base data, see table 703.

³Unrevised data. ⁴Old-age, survivors, disability, and health insurance under Federal Social Security Act; see text, p. 311.

⁵Excludes refunds of contributions to employees who leave service. ⁶Includes black lung benefits. ⁷Beginning 1974, Federal grants to States for aid to aged, blind, and disabled replaced by Supplemental Security Income programs; see text, p. 312.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly and unpublished data.

NO. 519. HOUSEHOLDS RECEIVING MEANS-TESTED NONCASH BENEFITS, BY POVERTY STATUS: 1979 AND 1980

[Households as of March of following year. Covers civilian noninstitutional population, including persons in the Armed Forces living off post or with their families on post. Based on Current Population Survey; see text, p. 2. Population controls are based on the 1980 Census of Population; see text, p. 2. Noncash benefits are those benefits received in a form other than money which serve to enhance or improve the economic well-being of the recipient. A means-tested benefit program requires that the household's income and/or assets fall below specified guidelines in order to qualify for benefits. The means-tested noncash benefits covered are food stamps, free or reduced-price school lunches, public or subsidized housing and Medicaid. There are general trends toward under-estimation of noncash beneficiaries. Households are classified according to poverty status of family or nonfamily householder. For explanation of poverty level, see text, p. 417]

TYPE OF BENEFIT RECEIVED	1979				1980			
	Total (1,000)	Below poverty level		Above poverty level (1,000)	Total (1,000)	Below poverty level		Above poverty level (1,000)
		Num- ber (1,000)	Per- cent dis- tribution			Num- ber (1,000)	Per- cent dis- tribution	
Total households	80,776	9,814	100.0	78,962	82,386	19,986	100.0	71,401
Not receiving noncash benefits	67,171	4,309	43.9	62,863	68,102	4,806	42.0	63,296
Not receiving cash public assistance	66,821	4,199	42.8	62,622	67,743	4,501	41.0	63,243
Receiving cash public assistance ¹	361	110	1.1	241	389	107	1.0	281
Receiving at least one noncash benefit	13,605	5,506	56.1	8,099	14,286	6,380	58.0	7,906
Not receiving cash public assistance	7,531	2,173	22.1	5,358	7,660	2,523	23.0	5,136
Receiving cash public assistance ¹	6,074	3,332	34.0	2,741	6,407	3,857	35.0	2,670
Receiving one noncash benefit only	8,053	2,037	20.8	6,016	8,092	2,254	20.8	5,838
Medicaid only	3,549	919	9.4	2,630	3,235	929	8.5	2,306
School lunch only	2,159	372	3.8	1,786	2,332	409	3.7	1,923
Food stamps only	1,271	497	5.1	774	1,432	650	5.8	782
Public housing only	1,074	248	2.5	825	1,093	266	2.4	826
Receiving two noncash benefits ²	3,385	1,802	18.4	1,483	3,712	2,176	19.9	1,534
Food stamps and Medicaid only	1,907	1,204	12.3	703	2,019	1,360	12.4	658
Food stamps and school lunch only	583	331	3.4	252	746	406	3.7	338
Receiving three noncash benefits ²	1,776	1,241	12.6	535	2,001	1,527	13.9	474
Food stamps, school lunch, and Medicaid only	1,200	845	8.6	355	1,371	1,041	9.5	330
Food stamps, public housing, and Medicaid only	453	330	3.4	123	486	405	3.7	81
Receiving four noncash benefits	391	326	3.3	65	462	401	3.7	61
Total households receiving—								
Food stamps	6,054	3,671	37.4	2,383	6,769	4,433	40.4	2,336
School lunch	4,933	2,101	21.4	2,832	5,532	2,511	22.8	3,021
Public housing	2,573	1,201	12.2	1,372	2,777	1,430	13.0	1,347
Medicaid	8,155	3,694	39.7	4,261	8,287	4,421	40.3	3,866

¹Households receiving money from Aid to Families with Dependent Children program, Supplemental Security Income program or other public assistance programs. ²Includes other combinations not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 131.

NO. 529. HOUSEHOLDS RECEIVING PUBLIC NONCASH BENEFITS, BY TYPE OF BENEFIT AND INCOME LEVEL 1980

[Households as of March 1981. See footnote, table 519. Persons of Spanish origin may be of any race. Metropolitan areas refers to 243 Standard Metropolitan Statistical Areas as defined in 1970 census reports. For composition of regions, see fig. 1, inside front cover. For definitions of household types, see text, pp. 3 and 4. Hhds. = households]

TYPE OF BENEFIT AND CHARACTERISTIC	RECIPIENT HOUSEHOLDS (1,000)							RECIPIENT HHDS. AS PERCENT OF TOTAL		
	Total	Total money income				Below poverty level	Above poverty level	Total	Below poverty level	Above poverty level
		Under \$5,000	\$5,000- \$9,999	\$10,000- \$14,999	\$15,000 and over					
MEDICARE										
Total households¹	19,766	4,766	5,899	3,361	5,942	3,713	16,075	34.0	33.8	22.5
White	17,593	3,900	5,029	3,127	5,537	2,806	14,787	24.5	35.8	23.1
Black	1,084	809	618	229	307	863	1,101	22.2	30.1	18.4
Spanish origin	800	158	148	73	120	165	335	12.6	17.3	11.4
Inside metropolitan areas	12,502	2,749	3,502	2,088	4,153	2,008	10,494	22.3	29.8	21.3
Inside central cities	8,044	1,707	1,708	849	1,682	1,273	4,771	24.7	31.0	23.4
Outside central cities	4,458	1,042	1,796	1,149	2,470	735	5,723	20.4	27.8	19.8
Outside metropolitan areas	7,266	2,011	2,194	1,263	1,788	1,705	5,561	27.7	40.4	25.3
Northeast	4,804	1,014	1,378	735	1,480	703	3,901	25.9	33.3	24.9
North Central	4,988	1,132	1,516	868	1,472	804	4,184	23.5	31.6	22.4
South	6,767	1,818	1,820	1,179	1,850	1,785	5,004	24.9	39.2	22.0
West	3,430	896	983	800	1,140	423	3,007	21.2	24.0	20.9
Married-couple families	9,404	593	2,402	2,169	4,239	779	8,625	19.1	25.7	18.8
Female family householder ²	1,790	234	499	329	729	333	1,457	19.7	11.2	23.6
Nonfamily households	8,052	3,907	2,864	789	893	2,559	5,493	53.9	53.9	31.7
MEDICAID										
Total households¹	9,397	3,618	2,208	880	1,589	4,421	3,866	19.1	49.3	11.4
White	5,561	2,232	1,447	687	1,195	2,856	2,805	27.7	33.9	4.5
Black	2,496	1,211	665	291	338	1,649	848	26.2	57.8	14.1
Spanish origin	754	300	253	86	104	456	298	19.3	47.9	10.0
Inside metropolitan areas	5,732	2,349	1,539	681	1,183	2,962	2,770	10.2	43.9	1.1
Inside central cities	3,420	1,584	923	345	586	1,974	1,448	14.0	48.1	7.1
Outside central cities	2,312	764	616	316	615	988	1,324	7.3	37.5	4.6
Outside metropolitan areas	2,556	1,187	666	319	404	1,458	1,096	9.7	34.5	5.0
Northeast	1,099	533	549	250	386	1,078	921	11.2	61.1	5.9
North Central	1,892	788	518	211	376	1,043	849	8.9	41.0	4.6
South	2,571	1,306	588	278	399	1,622	904	9.4	36.6	4.2
West	1,825	590	551	240	444	678	1,147	11.3	38.4	8.0
Married-couple families	2,839	436	741	479	979	879	1,757	5.3	29.0	3.8
Female family householder ²	3,038	1,343	1,012	336	348	2,021	1,017	33.5	68.0	18.6
Nonfamily households	2,322	1,887	364	113	147	1,440	882	10.5	30.3	6.1
FOOD STAMPS										
Total households¹	6,799	3,182	2,048	916	784	4,453	2,336	11.2	40.4	3.3
White	4,236	1,856	1,308	627	1,091	2,831	1,807	5.9	33.6	2.5
Black	2,378	1,185	693	264	236	1,701	876	26.9	59.4	11.3
Spanish origin	732	289	273	108	63	497	238	18.7	52.0	8.0
Inside metropolitan areas	4,282	1,925	1,332	540	484	2,786	1,494	7.6	41.3	3.0
Inside central cities	2,736	1,360	819	294	273	1,878	858	11.2	46.7	4.2
Outside central cities	1,546	575	513	247	211	910	636	4.9	34.5	2.2
Outside metropolitan areas	2,497	1,175	716	376	220	1,645	843	9.5	38.8	3.8
Northeast	1,422	660	451	193	129	899	524	8.0	42.8	3.3
North Central	1,597	742	470	197	189	1,051	548	7.5	41.3	2.9
South	2,741	1,385	784	360	231	1,921	820	10.1	42.2	3.8
West	1,009	324	363	165	159	562	447	8.2	31.9	3.1
Married-couple families	2,246	457	836	527	423	1,096	1,150	4.6	36.1	2.6
Female family householder ²	2,755	1,347	951	295	172	2,048	708	30.3	68.9	11.8
Nonfamily households	1,575	1,256	191	86	63	1,200	374	7.1	25.3	2.2
SCHOOL LUNCH³										
Total households¹	5,532	1,114	1,088	1,386	1,479	2,511	3,021	20.9	64.8	13.4
White	3,429	577	959	683	1,030	1,363	2,076	15.8	55.5	10.6
Black	1,889	505	642	377	386	1,078	813	19.9	81.1	33.1
Spanish origin	804	143	286	176	199	303	412	43.1	75.4	30.6
Inside metropolitan areas	3,391	738	1,052	720	880	1,610	1,781	19.3	65.3	11.8
Inside central cities	2,040	519	654	395	471	1,053	987	30.3	71.5	18.8
Outside central cities	1,351	220	397	325	409	557	794	12.5	56.0	8.1
Outside metropolitan areas	2,141	376	606	566	599	901	1,240	24.0	63.5	16.5
Northeast	1,053	230	323	247	254	482	561	18.9	62.9	11.7
North Central	1,075	224	327	230	293	505	570	15.5	59.3	9.5
South	2,480	545	738	589	610	1,158	1,321	20.5	70.5	17.4
West	923	114	272	223	315	368	558	16.8	58.1	13.2
Married-couple families	2,848	210	644	824	1,189	889	1,859	14.1	57.8	10.5
Female family householder ²	2,458	864	927	414	232	1,556	902	45.2	70.8	27.8
Nonfamily households	46	5	17	6	17	12	34	22.2	9.1	1.1

B Base figure too small to meet statistical standards for reliability of derived figure.

¹Includes items not shown separately.

²No spouse present.

³Covers households with members 5-18 years old.

Source: U.S. Bureau of the Census, Current Population Reports, series P-80, No. 131

**NO. 521. SOCIAL INSURANCE AND RELATED PROGRAMS—CASH BENEFICIARIES AND BENEFITS, BY
PROGRAM: 1965 TO 1979**

[OASDHI=Old-age, survivors, disability, and health insurance, Federal programs under Social Security Act; see text, p. 311. Partly estimated. Includes some beneficiaries and benefit payments for some programs in outlying areas. See also *Historical Statistics, Colonial Times to 1970*, series H 125-171]

PROGRAM	BENEFICIARIES ¹ (1,000)					AMOUNT OF BENEFITS (mil. dol.)				
	1965	1970	1975	1978	1979	1965	1970	1975	1978	1979
Total	(x)	(x)	(x)	(x)	(x)	32,571	55,809	123,431	155,288	174,824
Percent of personal income	(x)	(x)	(x)	(x)	(x)	6.1	6.9	9.8	9.0	8.9
Retirement ¹	(x)	(x)	(x)	(x)	(x)	18,787	29,401	61,757	86,758	98,720
OASDHI	13,918	16,870	20,015	21,831	22,421	12,542	21,075	42,645	59,819	68,201
Public employee retirement	1,472	2,204	3,124	3,841	4,148	3,520	7,209	17,145	24,520	27,891
Federal civil service	359	477	732	825	857	897	1,849	5,229	7,360	8,459
Other Federal employee ²	388	642	812	1,079	1,184	1,233	2,700	6,071	8,524	9,885
State and local government	725	1,085	1,480	1,958	2,087	1,390	2,660	5,845	8,636	9,786
Railroad retirement	498	553	578	594	582	705	1,113	1,968	2,417	2,628
Veterans Admin. programs ³	14	3	1	(x)	(x)	20	4	1	(x)	(x)
Disability ^{2, 4}	(x)	(x)	(x)	(x)	(x)	7,041	11,001	21,883	26,808	34,869
OASDHI	1,654	2,573	4,142	4,886	4,823	1,573	3,067	6,414	12,519	13,708
Public employee retirement	326	419	526	650	689	751	1,312	2,702	3,804	4,375
Federal civil service	149	185	258	323	332	279	518	1,307	2,112	2,414
Other Federal employee ²	108	148	183	157	155	318	538	805	1,080	1,158
State and local government	89	86	105	169	181	155	255	480	712	804
Railroad retirement	102	95	102	100	98	149	219	403	472	511
Veterans Admin. programs ³	3,203	3,178	3,228	3,278	3,242	3,026	3,831	5,583	7,010	7,905
Workers' compensation	(NA)	(NA)	(NA)	(NA)	(NA)	1,074	1,674	3,248	5,217	6,104
Black lung benefit program	(x)	25	333	281	289	(x)	77	595	592	1,033
Temporary disability										
State insurance ⁵	149	181	176	175	169	426	665	890	1,027	1,161
Railroad insurance	24	25	14	18	14	41	58	48	87	81
Survivor monthly benefits	(x)	(x)	(x)	(x)	(x)	5,872	10,272	20,889	26,878	29,938
OASDHI	4,581	6,369	7,302	7,851	7,591	3,979	7,428	15,526	20,198	22,365
Public employee retirement	*319	*427	*580	*783	*822	324	645	1,449	2,111	2,434
Federal civil service	220	297	382	416	427	181	429	975	1,425	1,625
Other Federal employee ⁴	7	10	32	56	84	9	18	84	178	234
State and local government	92	120	145	290	311	125	200	390	508	575
Railroad retirement	288	324	338	335	333	278	424	914	1,132	1,224
Veterans Admin. programs ³	1,900	2,284	2,258	2,138	1,983	1,150	1,545	2,084	2,482	2,650
Workers' compensation	(NA)	(NA)	(NA)	(NA)	(NA)	140	197	365	531	600
Black lung benefit program	(x)	2	152	159	161	(x)	33	380	429	685
Lump-sum payments	(x)	(x)	(x)	(x)	(x)	421	582	808	829	823
OASDHI	(x)	(x)	(x)	(x)	(x)	217	294	337	334	290
Public employee retirement	(x)	(x)	(x)	(x)	(x)	125	189	321	334	367
Federal civil service	(x)	(x)	(x)	(x)	(x)	18	23	20	28	21
Other Federal employee	(x)	(x)	(x)	(x)	(x)	1	1	1	2	2
State and local government	(x)	(x)	(x)	(x)	(x)	105	165	300	304	345
Railroad retirement	(x)	(x)	(x)	(x)	(x)	22	26	25	16	15
Veterans Admin. programs ³	(x)	(x)	(x)	(x)	(x)	57	73	124	135	151
Unemployment	(x)	(x)	(x)	(x)	(x)	2,482	4,353	18,286	10,016	10,294
State unemployment insurance ⁶	1,188	1,820	3,515	2,028	2,112	2,283	4,184	18,188	9,891	10,212
Railroad unemployment insurance	31	18	26	25	18	60	39	89	125	82
Training allowances ⁷	75	80	(x)	(x)	(x)	108	131	7	(x)	(x)

NA Not available. X Not applicable. ¹For old-age, survivors, disability, and health insurance, average monthly number; for public employee retirement systems, veterans programs, and the black lung benefit program, number on rolls June 30; for railroad retirement program, number on rolls June 30 through 1975, Sept. 30 beginning 1978; for State unemployment and temporary disability insurance, average weekly number; for railroad unemployment and temporary disability insurance, average number during 14-day registration period; Area Redevelopment Act and Manpower Development and Training Act programs, number on rolls Dec. 31. ²Includes benefits to dependents where applicable. ³Benefits for career military personnel (those with 20 years' service) are paid by the U.S. Dept. of Defense and are included under "Other Federal employee." ⁴Excludes payments for medical care. ⁵Payable in Calif., N.J., N.Y. R.I., and Puerto Rico under public and private plans. Data for beneficiaries in N.J. not available. ⁶For Federal programs under the Uniformed Services Contingency Option Act of 1953 and for State and local government retirement systems, number represents families. ⁷Lump sums are for burial of deceased veterans. ⁸Includes payments made by the States as agents of the Federal Government under the Federal employees' unemployment compensation program and under the Ex-Servicemen's Compensation Act of 1958, and payment under the extended unemployment insurance programs, the Trade Expansion Act of 1962, and the Disaster Relief Act of 1970. Beneficiaries relate to regular State unemployment insurance, Federal employee, and ex-servicemen programs only. Includes Puerto Rico. ⁹Area Redevelopment Act of 1961 (Nov. 1961-June 1968) and Manpower Development and Training Act of 1962 (Aug. 1962-June 1975).

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

NO. 522. SELECTED SOCIAL INSURANCE PROGRAMS—PAID EMPLOYMENT BY COVERAGE STATUS: 1950 TO 1980

(In millions, except percent. Prior to 1960, excludes Alaska and Hawaii. OASDHI—Old-age, survivors, disability, and health insurance. Represents civilian noninstitutional population (1950–1965 14 years old and over, and beginning 1970, 18 and over) and Armed Forces. Average employment data based on calendar week in March, June, September, and December for which Current Population Survey was taken, except as noted; see text, p. 2. Coverage status generally determined on basis of job with greatest number of hours worked during survey week. See also *Historical Statistics, Colonial Times to 1970*, series H 51–58 and H 186–196.]

COVERAGE STATUS	1950	1955	1960	1965	1970	1974	1976	1978	1977	1978	1979	1980
Paid average employment	80.0	84.5	87.5	73.6	80.6	88.1	88.2	88.0	82.2	93.9	98.6	98.7
Covered by OASDHI ¹	38.7	55.0	69.4	68.6	71.8	78.0	77.4	80.3	83.0	84.6	89.3	88.8
Percent of paid employment	48.5	65.3	80.0	89.1	89.1	88.6	88.8	90.2	90.0	90.1	90.6	90.0
Wage and salary	36.7	48.3	62.6	59.4	65.9	71.7	71.3	74.0	76.7	78.0	82.4	81.7
Self-employed ²	(X)	6.7	6.8	6.2	5.9	6.3	6.1	6.3	6.4	6.7	6.9	7.1
Not covered by OASDHI	21.3	9.5	8.1	8.0	8.9	9.1	8.8	8.7	9.2	9.3	9.3	9.8
Excluded by Federal law	21.3	5.8	5.5	5.6	5.5	5.1	4.7	4.7	5.4	5.5	5.5	5.7
Federal civilian	1.7	1.8	2.0	2.2	2.5	2.5	2.3	2.3	2.5	2.5	2.5	2.5
Nonfarm self-employed	6.2	1.5	1.3	1.1	.9	.7	.7	.8	.7	.7	.8	.8
Domestic service	2.0	.8	.9	.9	.9	.8	.8	.8	.8	.8	.8	.8
Other ³	11.4	1.7	1.3	1.4	1.2	1.1	.9	1.0	1.4	1.5	1.4	1.6
Permitted by Federal law ⁴	(X)	3.7	2.6	2.4	3.4	4.0	4.1	4.0	3.8	3.8	3.8	4.2
Civilian workers covered by ⁵												
Retirement systems	43.1	57.6	60.5	67.7	74.8	81.3	81.7	85.7	86.5	90.4	92.7	(NA)
OASDHI ⁶	37.1	51.8	55.7	62.6	68.2	75.2	75.7	79.7	83.5	84.3	87.0	86.6
Railroad retirement	1.8	1.3	.9	.8	.6	.6	.5	.5	.5	.6	.5	.5
Public employment ⁷	4.4	4.7	3.9	4.1	5.0	5.5	5.5	5.5	5.5	5.5	5.2	(NA)
Workers' compensation	38.7	42.9	44.6	52.5	59.0	67.8	68.8	70.9	74.2	78.1	(NA)	79.4
Unemployment insurance ⁸	36.0	41.7	43.7	50.3	55.8	69.5	69.7	72.1	75.8	85.8	87.9	87.2
Temporary disability insurance ⁹	10.3	11.2	11.3	13.3	14.6	15.7	16.7	18.2	16.7	18.0	18.1	18.4

NA Not available. X Not applicable. ¹Includes railroad employees and all persons covered by Federal law except those on a group-elective or individual voluntary basis for whom coverage has not been arranged. ²Estimates based on number expected to report earnings at end of year. ³Farm workers, self-employed farmers, State and local government employees, employees of nonprofit organizations, and some additional small groups. ⁴Persons whose coverage was authorized, but not arranged on a group-elective or individual voluntary basis, such as employees of State and local governments and self-employed farmers who were eligible to report a percentage of gross earnings rather than net earnings. ⁵As of December. ⁶Excludes railroad employees and Armed Forces. ⁷Excludes persons covered under both a government retirement system and OASDHI. ⁸State, railroad, and Federal employee programs. ⁹State and railroad programs. Excludes government employees covered by sick-leave provisions.

NO. 523. SELECTED SOCIAL INSURANCE PROGRAMS—ESTIMATED PAYROLLS OF COVERED EMPLOYMENT IN RELATION TO WAGES AND SALARIES: 1950 TO 1979

(In billions of dollars, except percent. OASDHI: Old-age, survivors, disability, and health insurance, Federal programs under Social Security Act; see text, p. 311. 1960 excludes Alaska and Hawaii, except that small amount of taxable wages included in railroad payroll; data for Federal civilian and military personnel cover all areas. Gross amount before deduction of social insurance contributions. See also *Historical Statistics, Colonial Times to 1970*, series H 57–69.)

PROGRAM	1950	1960	1965	1970	1974	1975	1976	1977	1978	1979
Total earnings ¹	188	319	419	615	854	898	984	1,087	1,222	1,386
All wages and salaries ²	147	272	362	549	766	806	890	984	1,105	1,238
Civilian	142	262	349	528	743	783	864	959	1,078	1,208
Payrolls covered by:										
Retirement programs ³	129	261	343	528	745	789	(NA)	(NA)	(NA)	(NA)
OASDHI ⁴	109	234	309	480	676	713	793	883	990	1,121
Railroad retirement ⁵	5	6	6	6	6	6	9	10	11	13
Federal civil service	6	12	16	26	34	37	39	43	48	52
State and local government	6	20	31	53	61	67	65	106	112	123
Unemployment insurance ⁶	108	215	283	421	652	686	769	853	1,056	(NA)
Workers' compensation program ⁷	114	220	292	437	625	672	750	817	916	1,035
Net earnings in self-employment covered by OASDHI ⁸	(X)	29	40	48	68	69	80	87	95	98
Percent of civilian payrolls covered by—										
OASDHI ⁹	77.2	89.6	88.4	90.9	91.3	91.1	91.7	92.1	91.0	91.1
Railroad retirement ⁵	3.6	2.2	1.6	1.2	1.1	1.1	1.1	1.1	1.0	1.1
Federal civil service retirement	4.3	4.6	4.7	5.0	4.8	4.7	4.5	4.5	4.4	4.2
State and local government retirement	5.6	7.8	9.0	10.1	10.9	11.1	10.9	11.0	10.4	10.1
Unemployment insurance ⁶	76.3	82.3	81.0	79.7	87.8	87.6	88.7	88.9	87.9	(NA)
Workers' compensation programs ⁷	80.1	84.1	83.6	82.6	84.1	85.6	86.6	85.2	85.1	85.7

NA Not available. X Not applicable. ¹Data from U.S. Bureau of Economic Analysis. Earnings include self-employed; wages and salaries represent civilian and military pay in cash and in kind. ²Beginning 1960, adjusted for duplication in coverage by both OASDHI and State and local government retirement systems. ³Excludes plus estimated nontaxable wages and salaries.

⁴Beginning 1960, includes Armed Forces in all areas. ⁵Payrolls of employers insured with private carriers, State funds, or self-insured, and pay covered by Federal programs in all areas. ⁶Effective 1960. ⁷Percent computed after excluding Armed Forces payroll covered by OASDHI.

Source of tables 522 and 523: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

NO. 524. POPULATION 65 YEARS OLD AND OVER, AND SOCIETAL DEPENDENCY RATIOS: 1960 TO 1981

[In millions, except as indicated. As of July. Includes Armed Forces overseas. Societal dependency ratios represent essentially the relative burden of older "dependents" on "productive" persons, defined either by age or economic status]

AGE GROUP	1960	1970	1980	1981	DEPENDENCY RATIO	1960	1970	1980	1981
65 years and over	16.7	20.1	25.7	26.3	Persons, 65 years old and over, per 100 persons, 16-64 years old	17	17	19	19
Percent, all ages	9.2	9.8	11.3	11.4	Persons, 60 years old and over per 100 persons, 20-59 years old	27	29	30	30
65-69 years	6.3	7.0	8.8	8.9	Nonworkers, 60 years old and over per 100 workers, 20-59 years old ¹	28	30	31	31
70-74 years	4.8	5.5	6.8	7.0					
75-79 years	3.1	3.9	4.8	4.9					
80-84 years	1.6	2.3	3.0	3.1					
85 years and over	.9	1.4	2.3	2.4					

¹Nonworkers are persons not in labor force and workers are persons in civilian labor force. Labor force data are monthly averages based on the Current Population Survey; see text, p. 2. Data from U.S. Bureau of Labor Statistics.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 519 and 917

NO. 525. SOCIAL SECURITY (OASDHI)—COVERED EMPLOYMENT AND EARNINGS: 1950 TO 1981

[Beginning 1960, includes Puerto Rico and Virgin Islands and, beginning 1965, American Samoa and Guam. OASDHI: Old-age, survivors, disability, and health insurance. Represents all reported employment. Data are estimated. See also *Historical Statistics, Colonial Times to 1970*, series H 172-185]

ITEM	Unit	1950	1960	1965	1970	1975	1977	1978	1979	1980	1981
Living covered workers ¹	Million	80.8	107.4	118.1	133.5	145.2	150.8	154.0	156.8	159.2	161.8
With insured status ²	Million	40.1	76.8	92.9	106.3	120.0	125.9	126.8	132.7	136.7	140.6
Male	Million	27.8	49.2	55.7	61.7	68.1	70.8	71.8	73.6	75.4	77.2
Female	Million	12.5	27.4	37.2	43.6	51.9	55.3	57.0	59.1	61.3	63.4
Under 25 years old	Million	9.1	10.6	12.3	17.7	21.6	22.6	23.0	24.2	25.3	26.3
25-34 years old	Million	11.4	16.4	19.2	22.2	26.5	31.2	32.3	33.1	34.8	36.3
35-44 years old	Million	8.0	17.4	20.2	19.0	19.1	19.9	20.7	21.8	22.4	23.1
45-54 years old	Million	5.8	14.4	17.8	18.2	19.4	19.1	19.0	18.8	18.7	18.6
55-64 years old	Million	2.7	7.0	9.3	10.5	11.8	12.0	12.2	12.4	12.6	12.7
65-69 years old	Million	.9	2.3	3.1	3.7	4.2	4.4	4.5	4.8	4.8	4.7
70 yrs. old and over	Million	1.5	3.8	4.2	5.0	5.8	6.2	6.4	6.5	6.7	6.8
With uninsured status	Million	7	4.8	6.7	6.0	9.7	10.4	10.8	11.2	11.7	12.1
New entrants into covered employment	Million	35.1	27.7	24.5	28.7	23.8	23.7	23.1	(NA)	(NA)	(NA)
Workers reported with—											
Taxable earnings ³	Million	2.5	3.1	4.6	4.4	4.1	5.0	(NA)	(NA)	(NA)	(NA)
Maximum earnings ⁴	Million	48	73	81	93	100	106	111	(NA)	(NA)	(NA)
Earnings in covered employment	Million	14	20	29	24	15	16	16	(NA)	(NA)	(NA)
Reported taxable ⁵	Bil. dol.	110	265	352	532	767	875	1,080	(NA)	(NA)	(NA)
Percent of total	Bil. dol.	88	207	251	416	685	814	916	(NA)	(NA)	(NA)
Average per worker	Percent	79.7	78.1	71.3	76.2	84.5	83.5	84.0	(NA)	(NA)	(NA)
Total earnings	Dollar	2,274	3,856	4,359	5,711	7,854	9,183	9,793	(NA)	(NA)	(NA)
Taxable earnings ⁶	Dollar	1,812	2,654	3,106	4,464	6,634	7,672	8,226	(NA)	(NA)	(NA)
Employers reporting taxable wages	1,000	3,350	5,670	6,090	5,890	5,720	5,920	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹Estimated number of persons who had covered employment at any time during the period 1937 to year shown, not adjusted to reflect effect of (a) provisions that coordinate the OASDHI and railroad retirement programs and (b) wage credits for military service. Only partially adjusted to eliminate duplicate count of persons with taxable earnings reported on more than 1 account number; effect of such duplication is substantially less significant for the insured than for the uninsured. Includes persons currently insured, not shown separately. ²Fully insured for retirement and/or survivor benefits. ³Beginning 1960, includes self-employment. See table 527 for maximum taxable earnings.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

NO. 526. SOCIAL SECURITY (OASDHI)—EFFECT ON CONTRIBUTIONS OF CHANGES IN THE WAGE BASE AND TAX RATE: 1966 TO 1982

[OASDHI—Old-age, survivors, disability, and health insurance programs. Effect of changes represents first full-year effect on contributions of changes in taxable wage base and combined tax rate]

YEAR	Workers taxable wage base (dol.)	Combined ¹ tax rate (percent)	EFFECT OF CHANGES (bil. dol.)			YEAR	Workers taxable wage base (dol.)	Combined ¹ tax rate (percent)	EFFECT OF CHANGES (bil. dol.)		
			Total	Wage base	Tax rate				Total	Wage base	Tax rate
1966	6,800	8.40	6.2	3.4	2.8	1975	14,100	(²)	1.4	1.4	(²)
1967	(²)	8.60	1.2	(²)	1.2	1976	15,300	(²)	2.1	2.1	(²)
1968	7,800	(²)	2.1	2.1	(²)	1977	16,500	(²)	2.1	2.1	(²)
1969	(²)	9.60	3.0	(²)	3.0	1978	17,700	12.10	5.8	2.1	3.5
1971	(²)	10.40	3.2	(²)	3.2	1979	22,900	12.28	8.5	8.0	1.6
1972	9,000	(²)	2.9	2.9	(²)	1980	25,900	(²)	3.8	3.8	(²)
1973	10,800	11.70	10.8	4.8	6.2	1981	29,700	13.30	16.7	4.0	12.7
1974	13,200	(²)	3.9	3.9	(²)	1982	32,400	13.40	4.1	2.8	1.3

¹Employee and employer contribute equally. ²No increase occurred.

³U.S. Social Security Administration, unpublished data.

NO. 527. SOCIAL SECURITY (OASDHI)—CONTRIBUTION RATES: 1960 TO 1986

[As of January 1, except as noted. OASDI = Old-age, survivors, and disability insurance; HI = Hospital insurance]

YEAR	Annual maximum taxable earnings (dol.)	Maximum tax (dol.)	CONTRIBUTION RATES (percent)						Supplementary medical insurance, monthly rate ² (dol.)
			Each employer and employee			Self-employed			
			Total	OASDI	HI ¹	Total	OASDI	HI ¹	
In effect:									
1960	4,800	144	3.00	3.00	(x)	4.50	4.50	(x)	(x)
1965	4,000	174	3.625	3.625	³ .35	5.40	5.40	³ .35	³ 3.00
1970	7,800	374	4.80	4.20	.80	6.90	6.30	.60	⁴ 5.30
1971	7,800	406	5.20	4.80	.60	7.50	6.90	.60	⁴ 5.60
1972	9,000	468	5.20	4.60	.80	7.50	6.90	.60	⁴ 5.60
1973	10,800	632	5.85	4.85	1.00	8.00	7.00	1.00	⁴ 6.30
1974	13,200	772	5.85	4.95	.90	7.90	7.00	.90	⁴ 6.70
1975	14,100	825	5.85	4.95	.90	7.90	7.00	.90	6.70
1976	15,300	895	5.85	4.95	.90	7.90	7.00	.90	⁴ 7.20
1977	16,500	965	5.85	4.95	.90	7.90	7.00	.90	⁴ 7.70
1978	17,700	1,071	6.05	5.05	1.00	8.10	7.10	1.00	⁴ 8.20
1979	22,900	1,404	6.13	5.08	1.05	8.10	7.05	1.05	⁴ 8.70
1980	25,900	1,588	6.13	5.08	1.05	8.10	7.05	1.05	⁴ 9.60
1981	29,700	1,975	6.65	5.35	1.30	9.30	8.00	1.30	⁴ 11.00
1982	32,400	2,171	6.70	5.40	1.30	9.35	8.05	1.30	⁴ 12.20
1983	(⁵)	(⁵)	6.70	5.40	1.30	9.35	8.05	1.30	(NA)
Future schedule:									
1984	(⁵)	(⁵)	6.70	5.40	1.30	9.35	8.05	1.30	(NA)
1985	(⁵)	(⁵)	7.05	5.70	1.35	9.90	8.55	1.35	(NA)
1986	(⁵)	(⁵)	7.15	5.70	1.45	10.00	8.55	1.45	(NA)

NA Not available. X Not applicable. ¹Hospital insurance for the aged, first effective in 1966; for the disabled, in 1973.²Program began July 1966. See text, p. 311. ³As of July 1966. ⁴Effective July 1. ⁵Effective Aug. 13. ⁶Will be adjusted by Federal law to reflect increasing income levels.Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

NO. 528. SOCIAL SECURITY (OASDHI) TRUST FUNDS: 1965 TO 1981

[In millions of dollars, except percent. See also *Historical Statistics, Colonial Times to 1970*, series H 238-242]

TYPE OF TRUST FUND	1965	1970	1975	1976	1977	1978	1979	1980	1981
Old-age and survivors:									
Net contribution income ¹	16,017	30,256	56,816	63,362	69,572	75,471	87,919	103,456	122,627
Transfers from general revenue ²	(x)	449	425	614	613	614	557	540	674
Interest received	593	1,515	2,364	2,301	2,227	2,008	1,797	1,845	2,080
Benefit payments	16,737	26,796	58,509	65,699	73,113	80,352	90,556	105,074	³ 123,796
Administrative expenses	328	471	896	959	981	1,115	1,113	1,154	1,307
Percent of benefit payments	2.0	1.6	1.5	1.5	1.3	1.4	1.2	1.1	1.1
Assets, end of year	16,235	32,454	36,987	35,388	32,491	27,520	24,660	22,824	21,490
Disability:									
Net contribution income ¹	1,188	4,481	7,444	8,233	9,138	13,413	15,114	13,255	16,738
Transfers from general revenue ²	(x)	16	90	103	128	142	116	130	168
Interest received	59	277	502	422	304	256	358	485	172
Benefit payments	1,573	3,067	8,414	9,966	11,463	12,513	13,708	15,437	³ 17,200
Administrative expenses	90	164	256	285	399	325	371	368	436
Percent of benefit payments	5.7	5.3	3.0	2.9	3.5	2.6	2.7	2.4	2.5
Assets, end of year	1,806	5,614	7,354	5,745	3,370	4,226	5,630	3,629	3,049
Hospital: ⁴									
Net contribution income ¹	⁵ 3,152	4,881	11,509	12,736	14,126	17,579	20,975	23,848	32,959
Transfers from general revenue ²	⁵ 312	874	669	141	946	829	908	871	900
Interest received	⁵ 51	161	671	753	784	804	942	1,116	1,569
Benefit payments	⁵ 3,353	5,124	11,318	13,343	15,743	17,688	20,623	25,084	30,342
Administrative expenses	⁵ 77	157	263	338	276	489	450	512	384
Percent of benefit payments	⁵ 2.3	3.1	2.3	2.5	1.8	2.8	2.2	2.0	1.3
Assets, end of year	⁵ 1,073	3,202	10,517	10,605	10,442	11,477	13,228	13,749	16,748
Supplementary medical care: ⁶									
Net contribution income ¹	⁵ 640	1,096	1,918	2,060	2,247	2,469	2,719	3,011	⁷ 3,722
Transfers from general revenue	⁵ 933	1,093	2,648	3,610	5,386	6,267	6,645	7,455	⁷ 11,291
Interest received	⁵ 24	12	106	106	172	299	404	408	361
Benefit payments	⁵ 1,197	1,975	4,273	5,060	6,038	7,252	6,708	10,635	13,113
Administrative expenses	⁵ 110	236	462	542	467	503	557	610	915
Percent of benefit payments	⁵ 9.2	12.0	10.8	10.7	7.7	6.9	6.4	5.7	7.0
Assets, end of year	⁵ 412	188	1,444	1,799	3,099	4,400	4,902	4,530	5,877

X Not applicable. ¹Includes deposits by States and deductions for refund of estimated employee-tax overpayment. For supplementary medical insurance, represents voluntary premium payments from and on behalf of insured persons. ²Transfers for military wage credits and for cost of hospital benefits for persons not insured for OASDHI or railroad retirement cash benefits.³Adjusted to exclude benefit payments delivered on Dec. 31, 1981. Regular monthly benefit payments were delivered prior to regularly designated delivery day, Jan. 3, because of holiday weekend. Payments of Dec. 31, 1981 will be included in 1982 data so that 1981 and 1982 data reflect 12 months of benefit payments. ⁴See footnote 1, table 527. ⁵1987 data. ⁶See footnote 2, table 527. ⁷See footnote 3. Supplementary medical premiums withheld from checks (\$264 million) and transfers from general revenues (\$833 million) on Dec. 31 are included in 1981 data.Source: U.S. Social Security Administration, *Annual Report of Board of Trustees, OASI, DI, HI, and SMI Trust Funds*. Not published in *Social Security Bulletin*, monthly.

No. 529. SOCIAL SECURITY (OASDI)—BENEFITS, BY TYPE OF BENEFICIARY: 1960 TO 1981

[OASDI=Old-age, survivors, and disability insurance. A person eligible to receive more than one type of benefit is generally classified or counted only once as a retired-worker beneficiary. See also headnote, table 525; Appendix III; and *Historical Statistics, Colonial Times to 1970*, series H 197-229]

TYPE OF BENEFICIARY	1960	1960	1970	1975	1979	1977	1970	1979	1980	1981
	BENEFITS IN CURRENT-PAYMENT STATUS ¹ (end of year)									
Number of benefits (1,000).....	14,845	20,867	26,229	32,086	33,024	34,079	34,859	35,125	35,619	36,006
Retired workers ² (1,000).....	8,061	11,101	13,349	16,568	17,165	17,821	18,358	18,970	19,583	20,195
Disabled workers ³ (1,000).....	455	988	1,493	2,489	2,669	2,837	2,880	2,871	2,861	2,777
Wives and husbands ^{2,4} (1,000).....	2,346	2,807	2,952	3,320	3,370	3,457	3,471	3,487	3,480	3,459
Children ⁵ (1,000).....	2,000	3,093	4,122	4,972	5,036	5,083	4,938	4,794	4,610	4,430
Widowed mothers ⁶ (1,000).....	401	472	523	582	579	583	576	574	563	548
Widows and widowers ^{2,7} (1,000).....	1,544	2,371	3,227	3,889	3,995	4,119	4,212	4,321	4,415	4,508
Parents ² (1,000).....	36	35	29	21	20	18	17	16	15	14
Special benefits ⁸ (1,000).....	(x)	(x)	534	224	188	159	134	112	93	78
Average monthly benefit, current dollars:										
Retired workers ²	74	84	118	207	225	243	263	294	341	386
Retired worker and wife ²	124	142	199	344	374	404	436	489	(NA)	(NA)
Disabled workers ²	89	96	131	226	245	265	288	322	371	413
Wives and husbands ^{2,4}	39	43	59	100	106	117	126	141	164	166
Widowed mothers ⁶	59	65	87	147	160	174	190	213	248	277
Widows and widowers, nondisabled ²	58	74	102	194	209	224	241	270	311	349
Parents ²	60	78	103	172	185	196	214	239	276	310
Special benefits ⁸	(x)	(x)	45	69	73	78	83	92	105	116
Average monthly benefit, constant 1981 dollars: ⁹										
Retired workers ²	227	242	276	350	359	365	367	366	376	386
Retired worker and wife ²	381	409	486	581	596	606	611	613	(NA)	(NA)
Disabled workers ²	273	283	307	382	391	398	401	403	409	413
Wives and husbands ^{2,4}	120	124	138	169	173	178	176	177	181	186
Widowed mothers ⁶	181	167	204	248	256	261	265	267	272	277
Widows and widowers, nondisabled ²	178	213	239	326	334	336	336	336	343	349
	BENEFITS AWARDED DURING YEAR (1,000)									
Number of benefits.....	2,398	3,072	3,722	4,427	4,341	4,611	4,186	4,227	4,215	4,099
Retired workers ²	982	1,183	1,338	1,506	1,484	1,594	1,480	1,597	1,620	1,800
Full benefits payable.....	634	296	114	117	110	114	142	139	132	135
Reduced benefits ¹⁰	207	579	745	984	972	1,075	974	1,017	1,028	1,025
Other ¹¹	141	308	479	425	382	404	364	441	480	440
Disabled workers ²	208	253	350	592	552	569	457	409	389	345
Wives and husbands ^{2,4}	394	390	436	499	494	543	477	471	469	437
Children ⁵	416	783	1,091	1,332	1,327	1,366	1,234	1,191	1,174	1,094
Widowed mothers ⁶	93	100	112	116	114	119	110	110	106	100
Widows and widowers ^{2,7}	239	359	363	377	386	417	404	446	452	461
Parents ²	5	3	2	1	1	1	1	1	1	1
Special benefits ⁸	(x)	(x)	30	4	3	3	3	2	1	1
	BENEFIT PAYMENTS DURING YEAR (mil. dol.)									
Total amount ¹²	11,246	18,311	31,863	66,923	75,965	84,576	92,866	104,263	120,472	140,996
Monthly benefits ¹³	11,081	18,094	31,570	66,566	75,332	84,264	92,520	103,923	120,118	140,662
Retired workers ²	7,053	10,984	18,437	38,078	43,057	48,134	53,255	60,379	70,359	83,614
Disabled workers ²	489	1,246	2,446	6,906	8,190	9,456	10,315	11,333	12,817	14,379
Wives and husbands ^{2,4}	1,083	1,478	2,194	4,104	4,562	5,057	5,525	6,135	7,043	8,228
Children ⁵	1,085	1,922	3,517	8,643	7,434	8,163	8,671	9,416	10,514	11,764
Widowed mothers ⁶	286	366	574	1,008	1,113	1,189	1,284	1,409	1,572	1,760
Widows and widowers ^{2,7}	1,057	2,041	4,055	9,596	10,750	12,055	13,278	15,071	17,638	20,749
Parents ²	26	35	39	50	51	52	51	52	55	58
Special benefits ⁸	(x)	(x)	306	196	174	157	142	126	119	110
Lump sum.....	164	217	294	337	332	312	344	340	355	332

NA Not available. X Not applicable. ¹Benefit payment actually being made at a specified time with no deductions or with deductions amounting to less than a month's benefits; i.e., the benefits actually being received. ²62 years and over, except 1960 for men, 65 years and over. ³Disabled workers under age 65. ⁴Includes wife beneficiaries with entitled children in their care and, beginning Sept. 1985, entitled divorced wives. ⁵Includes disabled persons aged 18 and over whose disability began before age 18 (22, beginning Jan. 1973) and, beginning Sept. 1985, entitled full-time students aged 18-21. ⁶Includes surviving divorced mothers with entitled children in their care and, beginning June 1975, widowed fathers with entitled children in their care. ⁷Beginning Sept. 1985, includes widows aged 60-61 and surviving divorced wives aged 60 and over; beginning March 1988, disabled widows and widowers aged 50 and over; and beginning Jan. 1973, widowers aged 60-61. ⁸Benefits for persons aged 72 and over not insured under regular or transitional provisions of Social Security Act. ⁹Constant dollar figures are based on the consumer price index published by the U.S. Bureau of Labor Statistics; see table 757. ¹⁰Benefits payable with reduction for early retirement, at ages 62-64. ¹¹Includes awards suspended chiefly because of earnings of the retired worker and awards converted from disability awards to retirement awards on attainment of age 65. Also includes awards to transitionally insured persons aged 72 and over. ¹²Represents total disbursements of benefit checks by the U.S. Dept. of the Treasury during the years specified. ¹³Distribution by type estimated.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

NO. 530. SOCIAL SECURITY (OASDI)—BENEFICIARIES, BENEFIT PAYMENTS, AND AVERAGE MONTHLY BENEFITS, 1970 TO 1980, AND BY STATES AND OTHER AREAS, 1980

[Number of beneficiaries in current-payment status and average monthly benefit as of December. OASDI—Old-age, survivors, and disability insurance. By beneficiary's place of residence. See also headnote, table 529, and Appendix (H)]

YEAR AND STATE OR OTHER AREA	NUMBER OF BENEFICIARIES (1,000)				BENEFIT PAYMENTS (mil. dol.)				AVERAGE MONTHLY BENEFITS (dol.)		
	Total ¹	Retired workers ²	Survivors	Disabled workers ³	Total ¹	Retired workers ²	Survivors ⁴	Disabled workers ³	Retired workers ²	Disabled workers ³	Widows and widowers ⁵
1970	26,229	16,559	6,470	2,665	31,863	20,770	7,721	3,087	118	131	102
1975	32,086	20,099	7,411	4,353	36,923	22,447	8,884	5,414	207	226	184
1976	33,024	20,714	7,487	4,824	37,685	22,894	8,830	5,966	225	245	209
1977	34,079	21,477	7,582	4,881	38,434	23,434	8,822	6,183	243	265	224
1978	34,586	21,998	7,586	4,889	38,865	23,859	8,851	6,153	253	286	241
1979	35,125	22,501	7,622	4,777	39,263	24,247	8,880	6,138	264	322	270
1980, total	35,585	22,216	7,588	4,678	39,472	24,808	8,810	6,437	341	371	311
Alabama	642	374	183	105	1,917	1,095	505	315	308	349	267
Alaska	21	12	7	3	89	38	21	10	346	402	283
Arizona	426	281	79	55	1,454	986	277	190	350	391	323
Arkansas	444	274	93	76	1,283	779	281	222	296	342	261
California	3,196	2,151	606	433	11,225	7,380	2,262	1,572	346	384	323
Colorado	332	220	73	39	1,111	717	262	132	332	374	312
Connecticut	479	341	91	45	1,818	1,287	360	167	377	387	345
Delaware	87	56	19	11	313	201	72	40	359	379	328
Dist. of Columbia	87	57	20	10	289	173	62	33	298	324	280
Florida	2,060	1,500	345	231	7,145	5,063	1,269	808	343	378	321
Georgia	771	440	187	142	2,322	1,312	579	430	305	341	268
Hawaii	114	81	21	11	366	260	68	38	344	373	298
Idaho	133	92	28	14	439	299	82	48	333	371	309
Illinois	1,639	1,097	367	171	5,952	3,952	1,386	809	363	387	333
Indiana	822	539	181	101	2,949	1,914	683	350	359	388	326
Iowa	494	347	103	42	1,686	1,185	385	143	342	367	314
Kansas	378	268	78	32	1,293	895	287	106	341	367	314
Kentucky	602	351	143	107	1,805	1,030	459	315	306	360	276
Louisiana	588	317	189	110	1,739	926	496	314	306	357	279
Maine	198	133	39	25	640	423	137	78	319	351	301
Maryland	531	345	124	61	1,850	1,178	450	220	344	361	318
Massachusetts	927	648	182	96	3,297	2,276	690	328	349	374	330
Michigan	1,359	863	309	185	5,000	3,131	1,198	670	368	406	336
Minnesota	617	440	128	49	2,067	1,436	459	188	331	367	310
Mississippi	433	246	108	80	1,180	651	291	216	280	329	244
Missouri	863	574	179	107	2,886	1,876	636	351	331	365	306
Montana	119	80	25	14	400	260	82	47	334	375	314
Nebraska	256	181	52	21	855	596	189	66	333	356	308
Nevada	96	64	19	13	327	214	68	47	343	390	321
New Hampshire	141	100	28	15	493	348	95	49	347	372	322
New Jersey	1,136	767	232	137	4,366	2,930	822	512	374	390	341
New Mexico	176	106	41	29	529	322	125	81	321	363	289
New York	2,873	1,930	571	363	10,679	7,162	2,182	1,313	369	390	336
North Carolina	900	547	210	141	2,738	1,654	646	436	308	339	264
North Dakota	106	74	23	8	332	229	78	25	313	340	298
Ohio	1,625	1,029	377	215	5,770	3,575	1,439	750	353	389	329
Oklahoma	482	314	106	62	1,531	978	356	196	318	355	280
Oregon	412	291	74	46	1,461	1,013	281	166	350	385	323
Pennsylvania	2,072	1,374	453	239	7,515	4,894	1,740	873	369	386	330
Rhode Island	170	117	31	21	600	412	116	72	347	361	326
South Carolina	450	256	113	81	1,354	772	335	245	310	340	263
South Dakota	120	83	26	10	373	253	88	31	313	342	294
Tennessee	740	448	189	122	2,233	1,331	535	365	307	342	270
Texas	1,831	1,155	447	228	5,704	3,541	1,469	699	319	358	293
Utah	149	102	32	15	509	346	114	49	347	383	323
Vermont	81	54	16	10	272	161	56	33	337	380	307
Virginia	721	443	187	106	2,281	1,376	559	343	318	365	286
Washington	580	406	110	64	2,083	1,422	423	235	354	361	326
West Virginia	360	200	90	70	1,176	639	312	223	335	384	297
Wisconsin	770	536	153	79	2,719	1,669	580	267	352	382	326
Wyoming	50	34	11	4	169	114	40	15	336	371	314
Puerto Rico	578	271	101	206	1,064	499	210	375	216	289	201
Guam	3	1	1	(2)	6	3	2	1	261	314	224
American Samoa	2	1	1	(2)	3	1	1	1	213	258	186
Virgin Islands	6	5	2	1	21	14	5	2	314	339	265
Foreign	311	196	96	21	839	514	273	52	289	353	270

² Fewer than 500.

³ Includes special benefits; see footnote 8, table 529.

⁴ Includes benefits payable to dependents.

⁵ Includes lump-sum payments to survivors of deceased workers.

⁶ Excludes persons with special benefits.

⁷ Non-disabled only.

Source: U.S. Social Security Administration. Periodically in *Social Security Bulletin*.

No. 531. SOCIAL SECURITY (OASDI)—RETIREMENT BENEFITS, BY SEX: 1960 TO 1981

[As of end of year. Benefits in current-payment status. OASDI—Old-age, survivors, and disability insurance. Full benefits begin at age 65; reduced benefits at age 62. The latter began in 1966 for women and in 1961 for men. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 245-258]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
MALE											
Number receiving benefits ¹	1,000	5,217	5,825	7,006	9,164	9,420	9,714	9,825	10,182	10,471	10,767
Full benefits	1,000	5,217	5,269	4,830	4,898	4,638	4,563	4,536	4,807	4,562	4,588
Reduced benefits	1,000	(X)	1,436	2,756	4,466	4,787	5,131	5,392	5,586	5,899	6,181
Avg. monthly benefits, total	Dollars	82	93	131	228	248	268	282	327	380	431
Full	Dollars	82	96	139	247	270	293	320	359	420	460
Reduced ²	Dollars	(X)	79	115	207	228	248	268	300	349	395
FEMALE											
Number receiving benefits ¹	1,000	2,846	4,276	5,661	7,424	7,744	8,108	8,430	8,778	9,112	9,428
Full benefits	1,000	1,866	2,182	2,352	2,621	2,670	2,699	2,684	2,772	2,806	2,839
Reduced benefits	1,000	949	2,083	3,309	4,803	5,074	5,439	5,745	6,006	6,306	6,589
Avg. monthly benefits, total	Dollars	60	70	101	182	197	213	230	257	297	334
Full	Dollars	62	75	112	206	224	243	266	297	347	394
Reduced ²	Dollars	56	65	84	169	183	196	214	236	275	309

X Not applicable. ¹Includes disability beneficiaries who attained age 65. ²After reduction.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly. Data are published quarterly.

No. 532. INDEXES OF PENSIONS, AVERAGE WEEKLY EARNINGS, AND CONSUMER PRICES, SELECTED COUNTRIES: 1975 TO 1980

[1970=100. Relative to national social security systems. Pensions and wages data refer to average worker in manufacturing; price trend based on annual changes in consumer price index]

COUNTRY AND INDEX	1975	1977	1978	1979	1980	COUNTRY AND INDEX	1975	1977	1978	1979	1980
United States:						Netherlands:					
Pensions	147	168	178	191	209	Pensions	198	248	270	284	304
Wages	143	172	187	202	216	Wages	192	227	240	252	(NA)
Prices	136	156	166	187	212	Prices	151	176	183	191	203
Austria:						Sweden:					
Pensions	153	186	220	243	255	Pensions	182	230	262	301	329
Wages (avg. mo.)	187	222	236	255	266	Wages (hourly)	176	216	239	264	(NA)
Prices	142	161	167	173	184	Prices	147	160	166	212	242
France:						Switzerland:					
Pensions	160	246	273	300	338	Pensions	250	283	283	275	275
Wages	196	249	278	313	358	Wages	171	182	187	193	202
Prices	153	183	200	221	251	Prices	149	149	151	166	163
Germany, Fed. Rep.:						United Kingdom:					
Pensions	160	195	209	204	212	Pensions	200	306	350	390	406
Wages	150	176	187	196	210	Wages	220	276	326	375	452
Prices	135	146	150	156	164	Prices	184	249	270	306	360

NA Not available.

Source: U.S. Social Security Administration, unpublished data.

No. 533. EMPLOYEE-EMPLOYER PAYROLL TAX RATES FOR SOCIAL SECURITY PROGRAMS, BY SELECTED COUNTRY: 1979 AND 1980

[In percent. Covers old-age, disability and survivors insurance, public health or sickness insurance, workers' compensation, unemployment insurance, and family allowance programs]

COUNTRY	1979			1980					
	All social security programs			All social security programs			Old-age, disability, and survivors insurance		
	Total	Employer	Employee	Total	Employer	Employee	Total	Employer	Employee
United States	16.48	10.33	6.13	18.81	10.96	6.13	10.16	5.08	5.08
Austria	39.20	24.75	13.45	39.20	25.25	13.95	20.50	10.75	9.75
France	47.45	37.41	10.04	48.45	37.41	11.04	12.90	6.20	4.70
Germany, Fed. Rep.	33.78	17.64	16.14	34.00	17.75	16.25	18.00	9.00	9.00
Netherlands	50.91	27.16	23.75	52.29	27.72	24.57	29.90	11.25	18.65
Sweden	31.79	31.65	.14	32.43	32.30	.13	20.80	20.80	-
Switzerland	17.25	8.15	9.10	17.50	8.45	9.05	8.40	4.70	4.70
United Kingdom	20.00	13.80	6.20	20.45	13.70	6.75	(NA)	(NA)	(NA)

- Represents zero. NA Not available. ¹Disability and survivors benefits financed through sickness insurance.

²Disability insurance also includes work-injury compensation.

Source: U.S. Social Security Administration, Office of International Policy, "Payroll Tax Rates for Social Security Programs, 1980," mimeo (November 1980).

Retirement Benefits

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NO. 534. FEDERAL CIVIL SERVICE RETIREMENT: 1960 TO 1981

[As of June 30 or for years ending June 30 except, beginning 1977, as of Sept. 30 or for year ending Sept. 30. See text, p. 312.
See also *Historical Statistics, Colonial Times to 1970*, series H 262-270]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981
Annuitants, total	1,000	515	729	958	1,372	1,502	1,584	1,617	1,675	1,779
Age and service	1,000	283	360	477	732	790	825	857	905	973
Disability	1,000	102	149	185	258	308	323	333	343	348
Survivors	1,000	150	220	296	382	405	416	427	427	458
Receipts, total ¹	ML. dol.	1,761	2,664	4,553	11,377	15,084	17,640	20,548	24,389	28,529
Employee contributions	ML. dol.	760	1,067	1,740	2,554	2,931	3,194	3,447	3,888	4,006
Federal government contributions	ML. dol.	749	1,115	1,952	6,707	9,337	11,035	12,965	15,562	18,193
Disbursements, total ²	ML. dol.	893	1,436	2,752	7,207	9,894	11,014	12,583	14,977	17,779
Age and service annuitants ³	ML. dol.	688	1,126	2,129	6,052	8,143	9,246	10,571	12,639	15,010
Survivors	ML. dol.	99	182	389	906	1,238	1,423	1,618	1,912	2,265
Average monthly benefit										
Age and service	Dollars	216	251	362	620	765	827	924	992	1,036
Disability	Dollars	123	154	221	406	517	562	629	723	756
Survivors	Dollars	58	72	116	209	288	296	336	392	419
Cash and security holdings	BL. dol.	10.1	15.6	22.4	38.4	49.7	56.3	64.3	73.7	84.4

¹Includes interest on investments. ²Includes refunds, death claims, and administration. ³Includes disability annuitants.

Source: U.S. Office of Personnel Management, 1960-1978, *Report on Civil Service Retirement, Federal Employees Group Life Insurance, Federal Employees Health Benefits, Retired Federal Employees Health Benefits*, annual; beginning 1979, *Federal Fringe Benefits Facts*, annual.

NO. 535. STATE AND LOCAL GOVERNMENT RETIREMENT—FINANCES: 1970 TO 1981

[In millions of dollars. For fiscal years closed during the 12 months ending June 30]

YEAR AND LEVEL OF GOVERNMENT	RECEIPTS					BENEFITS AND WITHDRAWALS			Cash and security holdings
	Total	Em- ployee contri- butions	Government contributions		Earnings on invest- ments	Total	Bene- fits	With- drawals	
			State	Local					
1970: All systems	9,848	2,788	2,046	2,554	2,460	3,636	3,037	801	54,918
State-administered	7,184	2,149	1,976	1,237	1,821	2,382	1,913	469	39,966
Locally administered	2,664	639	67	1,318	639	1,256	1,124	132	14,952
1975: All systems	18,898	4,466	4,093	5,023	5,294	7,490	6,540	950	98,064
State-administered	14,208	3,552	3,974	2,623	4,059	5,207	4,480	727	74,703
Locally administered	4,690	936	119	2,400	1,236	2,283	2,060	223	23,361
1978: All systems	28,032	5,691	5,860	7,800	8,661	10,782	9,556	1,226	142,637
State-administered	21,488	4,619	5,736	4,264	6,868	7,811	6,821	990	110,357
Locally administered	6,544	1,072	123	3,537	1,812	2,970	2,735	235	32,280
1979: All systems	31,859	6,072	6,448	8,891	10,548	12,273	10,772	1,501	161,700
State-administered	24,859	4,968	6,318	5,173	8,200	8,937	7,704	1,233	125,803
Locally administered	7,300	1,103	131	3,718	2,348	3,336	3,068	268	35,897
1980: All systems	37,178	6,465	7,549	9,949	13,215	14,006	12,207	1,801	185,226
State-administered	28,545	5,265	7,399	5,811	10,250	10,267	8,809	1,448	144,882
Locally administered	8,632	1,190	149	4,338	2,966	3,752	3,399	353	40,544
1981: All systems	43,441	7,289	8,671	11,349	16,133	15,625	13,830	1,795	210,427
State-administered	33,340	5,962	8,353	6,395	12,609	11,399	9,964	1,429	164,824
Locally administered	10,102	1,307	317	4,954	3,523	4,232	3,866	366	45,603

Source: U.S. Bureau of the Census, *Finances of Employee-Retirement Systems of State and Local Governments*, annual.

NO. 536. RAILROAD RETIREMENT AND SURVIVOR BENEFITS: 1960 TO 1981

[For years ending June 30 except, beginning 1977, ending Sept. 30. See also *Historical Statistics, Colonial Times to 1970*, series H 271-286]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981
Average number of railroad employees	1,000	930	762	650	575	547	538	555	539	514
Retirement and survivor benefits:										
Monthly benefits awarded	1,000	115	85	99	137	96	87	84	84	83
Recipients	1,000	873	980	1,051	1,094	1,108	1,101	1,083	1,064	1,074
Monthly benefits in current payment status (end of year)	1,000	790	889	1,036	1,160	1,201	1,204	1,205	1,203	1,203
Benefit payments	ML. dol.	926	1,118	1,594	3,060	3,767	3,968	4,275	4,731	5,267

Source: U.S. Railroad Retirement Board, *Annual Report*. Current data in *RRB Quarterly Review*.

No. 537. ASSETS OF PRIVATE AND PUBLIC PENSION FUNDS, BY TYPE OF FUND: 1960 TO 1981
[In billions of dollars. As of end of year. Except for corporate equities, represents book value. Excludes Social Security trust funds, see table 528]

TYPE OF PENSION FUND	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Total, all types.....	90.8	154.8	322.3	365.7	427.7	465.2	531.1	598.6	727.1	788.7
Private funds.....	57.0	101.0	208.4	219.0	260.9	279.8	317.5	361.2	452.6	481.1
Insured.....	18.9	27.3	52.3	72.2	89.0	101.5	119.1	139.2	165.6	188.0
Noninsured ¹	38.1	73.6	156.1	146.8	171.9	178.3	196.3	222.0	286.8	293.2
Corporate equities.....	16.5	40.8	115.2	88.6	109.7	101.9	107.9	123.7	175.8	167.1
Corporate and foreign bonds.....	15.7	22.7	27.6	35.8	35.5	42.1	48.0	53.7	56.1	61.7
U.S. Government securities.....	2.7	3.0	3.7	10.8	14.7	20.1	22.2	25.0	30.9	40.0
Other.....	3.2	7.2	9.6	11.8	12.0	14.2	20.3	19.7	22.1	24.4
Public funds.....	33.8	53.8	114.0	146.7	166.9	185.4	213.6	237.4	274.5	307.5
State and local government.....	19.7	34.1	60.6	104.8	120.4	132.5	153.9	169.7	196.1	221.3
Corporate and foreign bonds.....	7.1	17.2	43.2	61.8	66.9	72.9	81.9	85.0	94.7	102.8
Corporate equities.....	.4	1.6	14.9	23.2	26.4	30.0	32.7	36.8	42.1	49.7
U.S. Government securities.....	5.9	7.6	5.7	7.8	10.9	16.3	23.4	30.1	39.5	48.6
Other.....	6.3	7.6	16.8	12.0	16.2	13.2	19.9	17.8	21.7	20.2
U.S. Government.....	14.1	19.7	33.4	41.9	46.4	52.9	59.8	67.7	76.4	86.2
Civil Service ²	10.4	15.9	29.1	38.5	43.1	50.0	56.7	64.6	73.9	84.8
Railroad retirement.....	3.7	3.8	4.3	3.4	3.3	2.9	3.1	3.1	2.5	1.4

¹Covers all pension funds of corporations, nonprofit organizations, unions, and multi-employer groups. Also includes deferred profit-sharing plans; excludes health, welfare, and bonus plans. ²Includes U.S. Foreign Service Retirement and Disability Trust Fund.
Source: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts, Assets and Liabilities Outstanding, 1957-80; Annual Statistical Digest, 1970 to 1979 and 1980*; and unpublished data.

No. 538. PENSION PLAN COVERAGE OF CIVILIAN WORKERS BY WAGE OR SALARY INCOME:
1979 AND 1980

[Covers civilian workers as of March of the following year who had earnings in the year shown. Based on Current Population Survey; see text, p. 2. Population controls are based on the 1980 Census of Population, see text, p. 2]

RACE, SEX AND AGE	NUMBER WITH COVERAGE (1,000)					PERCENT OF TOTAL CIVILIAN WORKERS				
	Total ¹	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000 and over	Total ¹	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000 and over
1979										
Total ²	47,635	9,000	12,110	9,727	13,450	44.9	38.0	62.1	74.5	79.1
White.....	42,229	7,627	10,572	8,690	12,590	45.5	37.9	62.0	74.2	79.1
Black.....	4,414	1,193	1,276	867	627	40.9	39.8	64.4	78.9	81.2
Spanish origin ³	1,922	478	557	343	338	35.2	28.2	56.3	68.7	76.5
Male ⁴	29,830	2,789	6,325	7,353	12,306	51.5	30.9	57.4	73.0	79.0
15-24 yrs. old.....	3,154	886	1,068	528	234	21.1	26.3	47.0	60.2	62.7
25-34 yrs. old.....	8,880	768	2,176	2,562	2,941	55.9	30.2	56.8	69.4	73.2
35-44 yrs. old.....	6,922	386	1,085	1,764	3,606	67.3	34.6	59.9	75.8	79.7
45-64 yrs. old.....	10,612	696	1,861	2,421	5,393	69.4	39.5	65.0	79.2	83.8
Female ⁴	17,805	6,210	5,785	2,374	1,145	37.0	42.4	68.3	79.2	60.0
15-24 yrs. old.....	2,458	1,254	583	88	25	17.9	34.7	55.2	59.5	52.1
25-34 yrs. old.....	5,550	1,783	2,065	818	330	42.9	43.1	67.6	75.3	77.8
35-44 yrs. old.....	3,745	1,186	1,227	597	298	44.8	43.7	69.2	82.6	79.5
45-64 yrs. old.....	5,790	1,908	1,845	847	483	49.2	48.0	74.7	83.9	84.7
1980										
Total ²	48,003	7,562	11,534	9,627	18,374	44.9	34.5	69.0	71.1	77.9
White.....	42,605	6,416	9,919	8,508	15,267	45.5	34.5	58.7	70.6	77.9
Black.....	4,457	994	1,402	923	782	40.9	35.9	62.9	75.9	79.4
Spanish origin ³	1,988	456	571	385	426	35.0	27.8	51.5	67.7	72.8
Male ⁴	29,738	2,380	5,250	6,533	14,479	51.0	28.1	52.9	69.2	77.9
15-24 yrs. old.....	2,922	749	913	569	323	20.1	23.3	42.9	56.6	61.9
25-34 yrs. old.....	8,832	612	1,894	2,532	3,572	54.9	25.8	52.5	67.3	72.9
35-44 yrs. old.....	7,021	329	881	1,358	4,361	66.2	34.0	55.9	71.2	78.7
45-64 yrs. old.....	10,480	597	1,468	1,989	6,186	69.1	38.5	60.5	74.9	82.6
Female ⁴	18,265	5,182	6,284	3,095	1,796	37.5	38.5	65.2	75.5	77.4
15-24 yrs. old.....	2,346	969	728	181	47	17.4	29.2	50.8	67.0	66.2
25-34 yrs. old.....	5,851	1,469	2,260	1,131	525	44.2	39.7	64.5	75.2	72.7
35-44 yrs. old.....	3,896	989	1,308	731	523	45.1	40.0	66.6	74.1	78.1
45-64 yrs. old.....	5,860	1,673	1,916	1,008	682	48.7	44.9	71.6	78.5	82.3

¹Includes workers with wage or salary income under \$5,000, not shown separately. ²Includes other races not shown separately. ³Persons of Spanish origin may be of any race. ⁴Includes persons 65 years old and over not shown separately.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 131.

NO. 539. PENSION PLAN AND GROUP HEALTH INSURANCE COVERAGE OF CIVILIAN WORKERS, BY SELECTED CHARACTERISTIC OF WORKER: 1980

[Covers civilian workers as of March 1981 who had earnings in 1980. Based on Current Population Survey; see text, p. 2.
GHI = Employer-subsidized group health insurance]

TYPE OF COVERAGE	Unit	Total ¹	Male	Female	White	Black	Spanish origin ²	15-24 years old	25-44 years old	45-64 years old	65 yrs. and over
Total workers.....	1,000	107,017	58,253	48,765	93,623	10,903	5,674	27,979	48,568	27,204	3,266
With both GHI and pension.....	1,000	43,877	28,308	15,571	39,002	4,019	1,803	4,757	23,533	14,951	636
With GHI only.....	1,000	22,414	12,801	9,613	19,470	2,312	1,422	6,028	11,069	4,787	530
With pension only.....	1,000	4,126	1,432	2,694	3,603	438	185	511	2,086	1,388	160
Without GHI or pension.....	1,000	36,800	15,714	20,687	31,548	4,134	2,264	16,683	11,900	6,078	1,940
With GHI.....	1,000	66,291	41,107	25,184	58,472	6,331	3,225	10,785	34,602	19,738	1,166
With pension.....	1,000	48,003	29,738	18,265	42,605	4,457	1,988	5,266	25,599	16,339	796
Percent of workers—											
With both GHI and pension...	Percent.....	41.0	48.6	31.9	41.7	36.9	31.8	17.0	48.5	55.0	19.5
Without GHI or pension.....	Percent.....	34.2	27.0	42.8	33.7	37.9	39.9	59.6	24.5	22.3	59.4
With GHI.....	Percent.....	61.9	70.6	51.6	62.5	58.1	56.8	38.5	71.2	72.6	35.7
With pension.....	Percent.....	44.9	51.0	37.5	45.5	40.9	35.0	18.8	52.7	60.1	24.4

¹ Includes other races not shown separately. ² Persons of Spanish origin may be of any race.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 131.

NO. 540. PROTECTION AGAINST SHORT-TERM SICKNESS INCOME LOSS: 1960 TO 1979

[In millions of dollars, except percent. "Short-term sickness" refers to short-term or temporary nonwork-connected disability (lasting not more than 6 months) and the first 6 months of long-term disability. See also *Historical Statistics, Colonial Times to 1970*, series H 115-124]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979
Short-term sickness: Income loss.....	8,591	11,333	16,757	21,804	23,595	26,447	28,223	32,782	36,020
Total protection provided ¹	2,430	3,349	5,872	8,232	9,002	9,819	10,546	11,733	13,350
Protection as percent of loss.....	28.3	29.6	35.0	37.8	38.2	37.1	37.4	35.8	37.1
Benefits provided by protection:									
Individual insurance.....	393	483	694	851	973	881	940	1,210	1,322
Group benefits to workers in private employment.....	1,211	1,602	2,952	4,144	4,328	4,900	5,282	5,782	6,985
Private cash insurance ²	638	767	1,476	2,024	2,011	2,267	2,344	2,403	3,216
Publicly operated cash sickness funds ³	172	269	411	485	538	581	582	609	699
Sick leave.....	400	566	1,066	1,634	1,779	2,052	2,357	2,770	3,070
Sick leave for government employees.....	826	1,264	2,225	3,107	3,542	3,868	4,134	4,562	4,873

¹ Provided by individual insurance, group benefits to workers in private employment, and sick leave for government employees. Beginning 1974, includes benefits for the sixth month of disability payable under old-age, survivors, disability, and health insurance program, not shown separately. ² Group accident and sickness insurance and self-insurance privately written either on a voluntary basis or in compliance with State temporary disability insurance laws in Calif., N.J., and N.Y. Includes a small but undetermined amount of group disability insurance benefits paid to government workers and to self-employed persons through farm, trade, or professional associations. ³ Includes State-operated plans in Rhode Island, California, and New Jersey; State Insurance Fund and special fund for disabled unemployed in New York; and provisions of Railroad Unemployment Insurance Act.
Source: U.S. Social Security Administration, *Social Security Bulletin*, September 1982.

NO. 541. MEDICARE AND MEDICAID—SELECTED CHARACTERISTICS OF PERSONS COVERED: 1980

[Represents number of persons as of March 1981 who were covered in 1980. For Medicare, covers persons 15 years old and over; for Medicaid covers persons of all ages. See headnote, table 519]

POVERTY STATUS	Unit	Total ¹	Male	Female	White	Black	Spanish origin ²	Under 15 yrs. old	15-44 years old	45-64 years old	65 yrs. and over
MEDICARE											
Persons covered, total.....	1,000	26,200	10,962	15,237	23,471	2,420	980	(x)	669	2,000	23,531
Below poverty level.....	1,000	4,300	1,310	2,990	3,255	991	208	(x)	200	429	3,671
Above poverty level.....	1,000	21,900	9,653	12,247	20,216	1,429	454	(x)	469	1,571	19,860
Percent of total population.....	Percent.....	15.1	13.2	16.7	15.5	12.9	7.2	(x)	.8	4.5	95.4
Below poverty level.....	Percent.....	22.9	(NA)	(NA)	(NA)	(NA)	(NA)	(x)	1.8	11.6	95.5
Above poverty level.....	Percent.....	14.1	(NA)	(NA)	(NA)	(NA)	(NA)	(x)	.5	3.9	95.4
MEDICAID											
Persons covered, total.....	1,000	18,966	7,378	11,589	11,857	6,383	1,991	6,573	7,234	2,127	3,031
Below poverty level.....	1,000	11,113	4,237	6,876	6,245	4,438	1,356	4,672	4,050	1,061	1,330
Above poverty level.....	1,000	7,854	3,141	4,713	5,612	1,946	635	1,903	3,183	1,067	1,701
Percent of total population.....	Percent.....	8.4	6.8	10.0	6.2	24.2	16.2	12.9	6.9	4.8	12.3
Below poverty level.....	Percent.....	39.1	35.3	41.9	32.9	52.3	42.4	48.6	36.0	28.6	34.6
Above poverty level.....	Percent.....	4.0	3.2	4.7	3.2	10.9	7.0	4.6	3.4	2.6	8.2

NA Not available. X Not applicable ¹ Includes other races not shown separately. ² Persons of Spanish origin may be of any race.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 131.

NO. 542. MEDICARE PROGRAM—ENROLLMENT AND PAYMENTS: 1967 TO 1980

[Enrollment as of July 1; payments for calendar year. Benefit payments represent trust fund outlays. Includes Puerto Rico, outlying areas, and enrollees in foreign countries. See text, p. 311 for explanation of coverage]

TYPE OF INSURANCE	Unit	1967	1970	1973	1974	1975	1976	1977	1978	1979	1980
HOSPITAL INSURANCE											
Enrollment, total	1,000	18,484	20,361	23,802	23,924	24,840	25,312	26,084	26,777	27,458	28,067
Persons aged 65 and over	1,000	18,484	20,361	21,571	21,988	22,472	22,820	23,475	23,984	24,548	25,104
Male	1,000	8,243	8,507	8,911	9,005	9,188	9,324	9,537	9,728	9,845	10,158
Female	1,000	11,251	11,858	12,660	12,981	13,304	13,596	13,937	14,256	14,604	14,946
Disabled persons	1,000	(X)	(X)	1,730	1,828	2,188	2,382	2,619	2,793	2,911	2,983
Male	1,000	(X)	(X)	1,119	1,233	1,361	1,514	1,664	1,783	1,837	1,871
Female	1,000	(X)	(X)	612	695	783	878	955	1,010	1,073	1,089
Benefit payments	Mill. dol.	3,363	5,124	7,067	9,099	11,315	13,340	15,737	17,882	20,823	25,084
MEDICAL INSURANCE											
Enrollment, total	1,000	17,893	19,584	22,491	23,167	23,804	24,614	25,384	26,074	26,757	27,400
Persons aged 65 and over	1,000	17,893	19,584	20,921	21,422	21,945	22,446	22,981	23,531	24,098	24,680
Male	1,000	7,547	8,132	8,569	8,894	9,073	9,047	9,240	9,436	9,645	9,888
Female	1,000	10,346	11,452	12,352	12,727	13,073	13,399	13,751	14,094	14,454	14,813
Disabled persons	1,000	(X)	(X)	1,570	1,745	1,969	2,188	2,373	2,543	2,659	2,718
Male	1,000	(X)	(X)	1,003	1,102	1,231	1,353	1,475	1,562	1,655	1,695
Female	1,000	(X)	(X)	567	643	729	816	897	981	1,004	1,025
Benefit payments	Mill. dol.	1,197	1,975	2,528	3,318	4,273	5,000	6,028	7,252	8,708	10,535

X Not applicable.

Source: U.S. Health Care Financing Administration. Published in U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*.

NO. 543. MEDICARE PROGRAM CLAIMS AND REIMBURSEMENTS: 1970 TO 1980

[Data reflect data claims approved for payment and cover only claims approved and recorded in Health Care Financing Administration central records before Dec. 31, 1981. See headnote, table 542. Reimbursements are amounts paid to providers for covered services; excludes deductibles, coinsurance amounts, and noncovered services as specified by law]

ITEM	Unit	PERSONS 65 YEARS OLD AND OVER					DISABLED ¹			
		1970	1975	1976	1979	1980	1975	1976	1979	1980
HOSPITAL INSURANCE										
Claims approved	1,000	7,512	8,388	10,888	11,385	12,360	829	1,319	1,440	1,597
Reimbursements	Mill. dol.	4,885	5,439	14,925	16,964	20,298	864	1,919	2,315	2,798
Inpatients:										
Claims approved	1,000	6,313	7,844	8,765	9,021	9,865	642	1,172	1,271	1,351
Admissions	1,000	6,141	7,404	8,390	8,681	9,269	650	1,176	1,247	1,313
Annual rate ²	Rate	304	332	353	367	372	394	423	430	445
Covered days of care	Millions	80	84	90	91	96	9	12	13	13
Annual rate ²	Rate	3,949	3,786	3,777	3,734	3,676	4,138	4,212	4,313	4,478
Per admission	Days	13.0	11.4	10.7	10.5	10.4	10.5	10.0	10.0	10.1
Hospital charges	Mill. dol.	5,940	12,021	19,886	22,852	27,980	1,320	2,667	3,247	3,992
Per day	Dollars	74	142	221	261	290	148	228	280	299
Reimbursements	Mill. dol.	4,578	9,041	14,337	18,294	19,483	965	1,863	2,272	2,708
Percent of charges	Percent	77.1	75.2	72.2	71.3	69.8	73.1	70.8	70.0	68.5
Per claim	Dollars	725	1,153	1,535	1,806	2,016	1,148	1,607	1,787	2,005
Home health:										
Claims approved	1,000	571	1,008	1,671	1,847	2,087	70	129	150	169
Reimbursements	Mill. dol.	47	136	287	348	437	10	24	30	37
Per claim	Dollars	82	135	172	188	208	142	183	198	221
Skilled nursing facility:										
Claims approved	1,000	627	636	524	497	478	17	18	18	17
Reimbursements	Mill. dol.	230	283	300	312	336	9	12	13	14
Per claim	Dollars	367	472	573	628	702	558	672	732	799
MEDICAL INSURANCE										
Total bills	1,000	38,885	78,234	105,570	128,348	137,445	6,866	12,848	15,679	17,822
Physicians:										
Bills approved	1,000	32,850	57,206	82,337	93,030	108,045	4,597	8,825	10,888	12,408
Total charges	Mill. dol.	2,157	3,907	5,188	7,254	8,791	344	699	885	1,078
Per bill	Dollars	66	66	75	78	83	75	78	81	87
Percent reimbursed	Percent	72.9	74.1	78.8	77.4	77.8	75.6	77.7	78.2	78.6
Outpatient hospital:										
Bills approved	1,000	4,031	6,864	13,037	14,425	16,549	1,343	2,436	2,849	3,289
Reimbursements	Mill. dol.	85	315	645	790	1,009	143	272	333	405
Per bill	Dollars	21	35	49	55	61	106	112	117	125
Home health:										
Bills approved	1,000	430	543	804	671	978	44	72	78	86
Reimbursements	Mill. dol.	23	55	105	126	158	5	10	12	15
Per bill	Dollars	53	101	131	144	162	116	145	159	180
Other:										
Bills approved	1,000	2,380	6,488	10,300	12,021	13,873	672	1,415	1,691	2,165
Reimbursements	Mill. dol.	70	212	446	564	722	100	280	330	429
Per bill	Dollars	30	33	43	47	52	148	184	178	185

¹ Coverage not limited with respect to age. ² Per 1,000 enrollees; enrollment as of July 1. ³ Data reflect data paid claims were recorded in Health Care Financing Administration records.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, quarterly and unpublished data. Also in U.S. Social Security Administration, *Social Security Bulletin*, monthly.

No. 544. MEDICARE AND MEDICAID—SUMMARY, BY STATES AND OTHER AREAS: 1975 TO 1980

STATE OR OTHER AREA	MEDICARE								MEDICAID ⁴			
	Enrollment, 1980 ¹ (1,000)		Payments ² (mil. dol.)						Recipi- ents, ⁴ 1980 (1,000)	Payments (mil. dol.)		
			Hospital insurance			Medical insurance				1975	1979	1980
	Hos- pital insur- ance	Medi- cal insur- ance	1975	1979	1980	1975	1979	1980				
Total	28,067	27,400	11,318	20,823	25,064	4,273	8,708	10,836	21,004	12,282	20,474	21,301
U.S. ³	27,400	27,143	11,278	20,552	24,976	4,260	8,686	10,865	20,306	12,177	20,388	21,198
Ala.	479	477	145	311	378	58	121	145	324	131	240	263
Alaska	13	11	4	11	13	2	4	5	17	9	27	27
Ariz.	325	317	107	204	248	51	103	134	(x)	(x)	(x)	(x)
Ark.	342	339	84	179	227	36	66	106	222	93	192	235
Calif.	2,581	2,567	1,290	2,279	2,774	606	1,265	1,445	3,418	1,491	2,568	2,728
Colo.	264	259	102	190	227	42	78	69	141	66	163	182
Conn.	390	386	196	304	351	64	132	154	217	161	296	350
Del.	66	65	26	50	61	9	19	26	49	15	36	45
D.C.	74	73	39	86	107	20	39	42	127	84	139	168
Fla.	1,696	1,686	623	1,203	1,455	302	672	823	501	173	342	392
Ga.	573	572	174	320	408	74	158	193	430	256	383	462
Hawaii	80	78	29	52	61	13	29	35	107	37	86	96
Idaho	103	101	33	55	68	12	22	29	44	24	45	62
Ill.	1,334	1,318	642	1,286	1,542	191	353	504	1,046	682	892	1,192
Ind.	639	626	240	444	543	74	147	176	206	172	315	354
Iowa	413	408	156	280	345	48	91	109	178	82	208	230
Kans.	323	319	126	247	304	45	89	109	149	162	184	202
Ky.	453	452	147	281	329	40	85	107	410	100	249	296
La.	435	415	136	289	349	47	100	119	365	143	342	415
Maine	157	155	59	112	130	20	37	46	148	60	114	131
Md.	415	405	181	363	454	64	154	188	313	187	259	320
Mass.	789	758	484	745	844	136	282	336	775	494	902	1,009
Mich.	1,025	1,012	530	979	1,120	186	363	501	873	623	1,036	1,072
Minn.	510	504	226	356	433	74	131	181	325	255	474	590
Miss.	317	316	94	175	232	37	74	92	307	94	149	211
Mo.	696	687	289	549	666	85	177	219	321	99	239	295
Mont.	83	82	28	55	70	12	23	29	46	29	53	62
Nebr.	216	214	79	148	174	26	47	60	71	54	94	109
Nev.	72	71	27	62	83	12	30	36	25	16	32	45
N.H.	112	109	40	73	88	13	26	31	45	26	60	72
N.J.	932	926	420	882	801	150	339	397	678	366	659	756
N. Mex.	127	124	37	75	90	16	35	47	88	29	58	70
N.Y.	2,325	2,304	1,298	1,669	2,347	499	868	1,062	2,288	2,655	3,661	4,543
N.C.	668	662	199	371	458	70	150	184	377	183	337	401
N. Dak.	86	85	38	66	84	11	21	25	31	23	42	47
Ohio	1,285	1,264	521	999	1,187	170	343	419	609	366	670	809
Okl.	394	389	139	263	326	53	96	119	254	141	251	265
Oreg.	330	318	118	226	281	44	83	104	277	74	182	179
Pa.	1,664	1,639	641	1,332	1,599	238	510	626	1,251	709	1,186	1,058
R.I.	137	135	62	110	130	26	51	59	128	72	140	160
S.C.	322	316	99	161	216	30	69	87	337	76	191	259
S. Dak.	96	95	36	58	74	10	19	22	35	22	49	56
Tenn.	567	565	170	362	430	59	129	164	364	123	323	360
Tex.	1,429	1,422	499	967	1,177	231	457	556	688	461	899	961
Utah	117	112	29	65	74	14	28	36	67	31	79	80
Vt.	64	64	28	43	50	9	16	19	54	31	52	59
Va.	549	536	180	345	436	67	147	178	320	160	312	359
Wash.	465	455	148	283	349	67	120	158	315	178	291	329
W. Va.	272	269	82	162	198	24	51	62	129	29	63	104
Wis.	813	807	247	483	543	82	152	185	425	261	559	686
Wyo.	41	39	12	24	32	4	9	12	11	5	11	14
P.R.	361	207	34	63	79	12	38	46	1,398	113	83	100
Outlying areas	6	5	2	2	3	-	1	1	⁴ 13	⁴ 2	⁴ 3	⁴ 2
Foreign	229	43	3	6	7	1	2	2	(x)	(x)	(x)	(x)

- Represents zero. X Not applicable.

¹As of July. Data based on mailing address of beneficiary. ²Payments are for calendar year and represent disbursement from Federal hospital and supplementary medical insurance trust funds. Estimates of distribution by State based on interim reimbursements. ³1975 for fiscal year ending June 30; 1979 and 1980 for fiscal years ending Sept. 30. ⁴Unduplicated count of persons receiving Medicaid at any time during year. ⁵Includes data for enrollees with residence unknown. ⁶Virgin Islands only.

Source: U.S. Health Care Financing Administration, unpublished data. Medicare data are published in U.S. Social Security Administration, *Annual Report of Board of Trustees, Hospital Insurance and Supplementary Medical Insurance Trust Funds*.

No. 545. MEDICAL ASSISTANCE (MEDICAID)—RECIPIENTS AND PAYMENTS: 1972 TO 1980

(For years ending June 30 except, beginning 1977, ending September 30. Includes Puerto Rico and outlying areas)

BASIS OF ELIGIBILITY	RECIPIENTS ¹ (1,000)						PAYMENTS (mil. dol.)					
	1972	1975	1977	1978	1979	1980	1972	1975	1977	1978	1979	1980
Total	17,808	22,223	22,939	22,307	21,260	21,804	6,299	12,292	16,276	17,875	20,462	23,301
Age 65 and over.....	3,318	3,659	3,611	3,379	3,296	3,416	1,925	4,649	5,626	6,421	7,645	8,667
Blindness.....	106	109	81	83	80	92	45	63	109	112	123	143
Disabled ²	1,625	2,260	2,683	2,637	2,633	2,724	1,354	2,674	4,454	5,125	6,100	7,015
AFDC ³ program.....	10,978	14,310	14,510	14,203	13,520	14,059	2,101	4,083	4,976	5,344	5,883	6,542
Children.....	7,641	9,680	9,715	9,500	9,022	9,266	1,139	2,050	2,450	2,677	2,661	3,170
Adults.....	3,137	4,830	4,786	4,703	4,498	4,774	662	2,013	2,526	2,667	2,632	3,272
Other.....	1,578	1,664	2,036	1,905	1,721	1,507	876	623	906	974	900	914

¹ Unduplicated count of persons receiving Medicaid at any time during year. ² Data do not add due to small number of recipients that are reported in more than one category. ³ Permanently and totally. ⁴ Aid to families with dependent children.

No. 546. MEDICAL VENDOR PAYMENTS (MEDICAID), BY TYPE OF SERVICE: 1970 TO 1980

(In millions of dollars. 1970 data are for calendar year; 1972-1976, years ending June 30; beginning 1977, for years ending Sept. 30. Medical vendor payments are those made directly to suppliers of medical care. Excludes Arizona, which has no Title XIX (Medicaid) program. Includes Puerto Rico and outlying areas)

YEAR	Total	Inpatient hospital	Skilled nursing facility	Intermediate care facility	Physicians	Dental ¹	Outpatient hospital ²	Laboratory ³	Home health	Prescribed drugs	Family planning	Other care
1970.....	4,806	1,846	1,362	-	617	200	240	32	17	403	-	89
1972.....	6,299	2,669	1,471	-	794	230	406	81	24	612	-	112
1973.....	6,840	3,009	1,959	1,080	926	268	506	105	25	606	-	154
1974.....	9,952	3,293	2,002	1,585	1,083	366	606	98	31	713	-	208
1975.....	12,292	3,811	2,448	2,215	1,246	478	766	123	70	832	67	236
1976.....	14,135	4,466	2,486	2,791	1,389	532	896	147	134	957	87	247
1977.....	16,276	5,182	2,687	3,518	1,525	568	1,057	177	180	1,027	116	217
1978.....	17,875	5,639	3,097	4,285	1,596	541	1,026	179	210	1,064	115	209
1979.....	20,462	6,430	3,388	5,272	1,637	594	1,110	186	264	1,203	109	261
1980.....	23,301	7,142	3,708	6,200	1,673	658	1,424	121	332	1,321	111	441

- Represents zero. ¹ Includes other practitioners' services. ² Includes clinic services. ³ Includes radiological services.

Source of tables 545 and 546: U.S. Health Care Financing Administration, *Health Care Financing Review*, quarterly.

No. 547. BLACK LUNG BENEFIT PROGRAM—BENEFICIARIES AND PAYMENTS: 1970 TO 1981

(Benefits payable to miners disabled because of pneumoconiosis and to their dependents and survivors as a result of Federal Coal Mine Health and Safety Act of 1969 and subsequent amendments and revisions. Claims by miners or their survivors are handled by the Social Security Administration (SSA) or the Department of Labor, depending upon the date the claim was filed. Claims filed by a miner by June 30, 1973, and those filed by survivors by December 31, 1973 were processed by SSA. Benefits under the program as administered by SSA are paid out of Federal general tax revenues. Claims filed by a miner between July 1 and December 31, 1973 and all claims filed after December 1973 were processed by Department of Labor and are paid by either a responsible mine operator or the Department of Labor)

ADMINISTRATIVE AGENCY AND YEAR		BENEFICIARIES ¹ (1,000)				Payments (mil. dol.)	AVERAGE MONTHLY PAYMENT ²	
		Total	Miners	Widows	Dependents ³		Miner's family	Widow's family
SSA:								
1970.....		112	44	25	43	110	\$200	\$190
1975.....		462	165	139	177	948	282	297
1978.....		419	130	147	143	983	366	264
1980.....		389	120	147	133	1,032	406	290
1981, total ⁴		377	111	148	119	1,081	425	304
Pennsylvania.....		109	32	46	32	318	416	301
West Virginia.....		67	21	22	24	186	427	306
Kentucky.....		46	14	14	18	124	439	310
Virginia.....		22	7	7	8	61	439	309
Ohio.....		22	6	10	6	66	420	303
Illinois.....		21	6	10	5	63	421	300
Department of Labor:								
1975.....		(NA)	(NA)	(NA)	(NA)	10	\$167	\$326
1979.....		63.9	30.7	19.4	33.7	729	\$232	\$406
1980.....		136.4	52.9	26.7	56.6	707	\$254	\$446
1981.....		163.1	62.6	30.5	70.1	653	\$280	\$490

NA Not available.

¹ As of end of year. Average monthly payments under Department of Labor portion are for years ending September 30.

² Dependent wife or child or surviving child, parent, brother or sister. ³ Includes other States not shown separately.

⁴ Data for claimant with no dependents. ⁵ Data for claimant with 2 dependents.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly; and U.S. Department of Labor, Employment Standards Administration, *Black Lung Benefits Act, Annual Report*

No. 548. WORKERS' COMPENSATION PAYMENTS: 1960 TO 1980

[In millions of dollars, except as indicated. See headnote, table 549. See also *Historical Statistics, Colonial Times to 1970*, series H 332-345]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
Workers covered ¹ (mil.)	51	51	59	68	67	70	72	76	79	79
Annual benefits paid	1,286	1,814	2,831	5,781	6,586	7,387	8,623	9,736	11,877	13,369
By private carriers ²	610	1,124	1,843	2,971	3,422	3,976	4,629	5,256	6,157	7,023
From State funds ³	326	445	756	2,086	2,324	2,589	2,743	3,049	3,993	4,299
Employers' self-insurance ⁴	180	244	432	724	852	1,031	1,252	1,435	1,727	2,036
Type of benefit:										
Medical/hospitalization	436	600	1,060	1,780	2,030	2,380	2,880	2,860	3,470	3,860
Compensation payments	880	1,214	1,961	4,021	4,568	5,217	5,843	6,775	8,407	9,489
Disability	756	1,074	1,751	3,351	3,843	4,402	5,068	5,815	7,142	8,204
Survivor	105	140	230	670	726	815	875	960	1,265	1,295
Percent of covered payroll:										
Workers' compensation costs ⁵	.93	1.00	1.11	1.24	1.32	1.48	1.73	1.86	1.95	1.94
Benefits ⁶	.59	.81	.86	.75	.83	.88	.93	.95	1.00	1.04

¹ Estimated per month. ² Net cash and medical benefits paid under standard workers' compensation policies. ³ Net cash and medical benefits paid by competitive and exclusive State funds and by Federal workers' compensation programs, including black lung benefit program beginning 1970. ⁴ Cash and medical benefits paid by self-insurers, plus value of medical benefits paid by employers carrying workers' compensation policies that exclude standard medical coverage. ⁵ Premiums written by private carriers and State funds, and benefits paid by self-insurers increased by 5-10 percent to allow for administrative costs. Also includes benefits paid and administrative costs of Federal system for government employees. ⁶ Excludes programs financed from general revenue—black lung benefits and supplemental pensions in some States.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

No. 549. WORKERS' COMPENSATION PAYMENTS, BY STATES: 1970 TO 1980

[In millions of dollars. Payments represent cash and medical benefits and include insurance losses paid by private insurance carriers (compiled from the *Spectator (Insurance by States of Casualty Lines)*, from reports of State insurance commissions, and from A. M. Best Co.); net disbursements of State funds (from the *Spectator*, from *Argus Casualty and Surety Chart*, and from State reports), estimated for some States; and self-insurance payments, estimated from available State data. Calendar-year data, except fiscal-year data for Federal civilian and other programs and for a few States with State funds. Includes benefit payments under Longshoremen's and Harbor Workers' Compensation Act and Defense Base Compensation Act for States in which such payments are made]

STATE	1970	1975	1978	1979	1980	STATE	1970	1975	1978	1979	1980
Total	3,031	6,586	9,736	11,877	13,369	Nev	11.4	17.4	50.4	59.5	74.8
Ala	25.2	48.7	64.6	98.0	112.4	N.H.	7.0	17.4	30.9	38.9	45.6
Alaska	4.9	18.5	56.9	52.3	57.6	N.J.	135.0	194.8	268.4	298.2	316.4
Ariz.	39.3	68.0	87.2	104.9	119.8	N. Mex.	17.1	21.1	36.6	45.9	55.1
Ark.	20.9	37.9	56.3	65.6	76.2	N.Y.	273.9	406.7	496.6	569.0	608.3
Calif.	420.7	791.6	1,246.8	1,422.3	1,562.7	N.C.	29.6	50.8	93.7	111.9	130.8
Colo.	23.6	44.2	73.8	88.7	110.9	N. Dak.	4.8	7.6	12.9	15.2	17.0
Conn.	39.5	64.0	89.0	105.7	129.7	Ohio	187.0	444.7	531.5	616.1	764.2
Del.	6.2	9.6	16.4	18.7	19.9	Okl.	28.1	59.7	82.9	108.4	133.5
D.C.	6.5	26.7	51.1	57.9	67.4	Oreg.	50.6	137.4	224.4	238.9	261.2
Fla.	94.9	264.1	307.8	341.9	362.0	Pa.	123.5	205.4	407.1	494.6	575.7
Ga.	34.8	77.5	129.9	163.0	198.9	R.I.	11.1	18.6	36.0	45.2	55.3
Hawaii	13.7	27.1	38.7	45.7	59.7	S.C.	17.6	32.5	52.2	65.8	79.3
Idaho	7.3	20.8	29.9	38.2	41.7	S. Dak.	3.0	5.5	9.1	11.0	13.1
Ill.	144.1	238.7	490.0	582.8	686.2	Tenn.	35.3	61.6	95.9	114.6	129.1
Ind.	43.9	59.7	89.7	105.0	109.7	Tex.	159.1	380.3	508.3	594.3	700.8
Iowa	18.6	37.4	71.5	81.4	92.4	Utah	7.2	16.3	28.4	31.4	41.0
Kans.	18.2	33.7	56.2	67.9	81.0	Vt.	3.8	6.4	10.4	13.6	15.3
Ky.	26.1	60.5	102.6	119.3	127.7	Va.	30.2	65.9	119.6	148.0	173.5
La.	63.9	114.8	196.8	237.5	282.9	Wash.	62.8	157.4	224.6	252.6	284.8
Maine	7.9	19.7	44.5	68.9	81.3	W. Va.	25.5	75.9	125.6	148.5	176.2
Md.	38.8	73.4	139.2	158.6	186.8	Wyo.	44.1	70.0	123.3	152.9	171.5
Mass.	90.4	191.5	241.4	295.8			2.2	4.3	9.6	12.9	14.6
Mich.	197.9	333.7	497.0	579.6	626.3	Federal programs:					
Minn.	46.5	86.0	173.5	212.2	267.5	Civilian					
Miss.	18.2	27.3	42.1	51.2	60.3	employees	119.5	358.8	617.7	681.5	776.4
Mo.	41.3	63.8	82.2	106.4	121.7	Black lung					
Mont.	9.6	16.8	29.4	33.9	40.9	benefits ¹	110.0	957.2	1,022.6	1,712.1	1,736.5
Nebr.	9.9	17.9	28.1	36.2	42.6	Other ²	12.0	8.7	8.7	8.5	8.4

¹ Includes payments by Department of Labor.

² Primarily payments made to dependents of reservists who died while on active duty in the Armed Forces.

Source: U.S. Social Security Administration, *Social Security Bulletin*, Sept. 1981 and earlier issues; and unpublished data.

No. 550. PERSONS WITH WORK DISABILITY, BY SELECTED CHARACTERISTICS: 1978

[In millions, except percent. As of summer. Covers civilian noninstitutional population and members of Armed Forces living off post or with their families on post. Persons are classified as having a work disability if they have a health condition that limits the kind or amount of work they can do. Based on 1978 Survey of Disability and Work; a sample survey conducted by U.S. Bureau of the Census. Subject to sampling variability; for details, see source]

CHARACTERISTIC	All persons, 18-64 years old	PERSONS WITH WORK DISABILITY						Persons with no disability
		Total		Severely ¹		Partially ²		
		Number	Percent	Number	Percent	Number	Percent	
Total, 18 to 64 years old.....	127.0	21.9	17.2	10.9	8.6	11.0	8.7	106.2
Male.....	63.1	10.1	16.1	4.7	7.4	5.4	8.6	53.0
Female.....	64.0	11.7	18.4	6.2	9.7	5.6	8.7	52.2
White.....	111.2	18.5	16.6	8.9	8.0	9.5	8.6	92.7
Black.....	13.5	3.0	22.2	1.8	13.5	1.2	8.8	10.5
Spanish origin ³	7.0	1.5	21.4	.9	13.3	.6	8.1	5.5
18-24 years old.....	26.8	1.7	6.3	.6	2.2	1.1	4.0	25.1
25-34 years old.....	31.5	3.2	10.2	.9	3.0	2.3	7.2	28.3
35-44 years old.....	24.9	3.7	15.0	1.6	6.5	2.1	8.5	21.2
45-54 years old.....	23.7	5.7	24.1	2.7	11.3	3.1	12.9	17.9
55-64 years old.....	20.3	7.5	37.0	5.0	24.9	2.5	12.1	12.8
Poverty status: ⁴								
In poverty.....	10.9	3.1	26.3	2.2	20.1	.9	8.2	7.8
Not in poverty.....	116.2	18.8	16.2	8.7	7.5	10.1	8.7	97.4

¹ Unable to work altogether or unable to work regularly. ² Covers the occupationally disabled who are able to work regularly, but unable to do the same work as before the onset of disability or unable to work full time; those with secondary work limitations who are able to work full time, regularly, and at the same work but with limitations in the kind or amount of work they can perform. Includes persons with limitations in keeping house. ³ Persons of Spanish origin may be of any race. ⁴ For explanation of poverty level, see text, p. 417.

Source: U.S. Social Security Administration, 1978 Survey of Disability and Work: Databook, 1982.

No. 551. VOCATIONAL REHABILITATION—SUMMARY: 1960 TO 1980

[In thousands, except as indicated. For years ending June 30 except beginning 1977, for years ending Sept. 30. Vocational rehabilitation of the disabled defined as restoration, preservation, or development of the ability to function in productive activity. Rehabilitation services provided by State agencies with matching State and Federal funds include medical restoration, training, counseling, guidance, and placement services. See also *Historical Statistics, Colonial Times to 1970*, series H 382-387]

ITEM	1960	1965	1970	1975	1979	1977	1978	1979	1980
Referred and extended evaluation cases processed..	'258	'396	765	1,164	1,068	996	959	913	903
Percent accepted into program.....	49	50	54	46	42	44	44	45	46
Federal and State expenditures (mil. dol.) ²	79	154	558	867	898	956	966	³ 1,049	⁴ 1,022
Federal expenditures (mil. dol.).....	48	94	432	673	700	733	755	800	⁴ 817
Percent of total expenditures.....	61	61	77	78	78	77	77	78	⁴ 80
Total persons rehabilitated ⁵	88.3	134.9	267.0	324.0	303.3	291.2	294.4	288.3	277.1
Rehabilitation rate ⁶	75	76	77	70	63	64	65	65	64
Disability:									
Amputation or missing members.....	8.6	9.0	9.5	7.7	7.4	7.0	7.3	7.3	7.2
Orthopedic impairments.....	27.0	36.9	45.7	52.7	51.6	52.7	58.4	60.0	60.0
Blindness and other visual.....	9.4	13.1	22.4	27.4	27.4	26.2	27.6	26.2	24.5
Deafness and other hearing.....	5.4	8.1	14.3	15.9	16.0	16.2	16.9	17.5	18.7
Mental illness.....	5.4	17.2	51.3	73.5	67.7	60.8	60.7	58.1	53.4
Mental retardation.....	2.9	10.2	30.4	36.3	36.0	34.2	36.2	34.7	32.3
Substance abuse.....	.3	1.1	12.0	19.3	18.1	17.3	17.5	17.3	18.7
Digestive system disorders.....	(NA)	(NA)	23.0	21.7	20.9	16.8	16.3	14.6	14.0
Genito-urinary system disorders.....	(NA)	(NA)	7.8	9.3	9.2	8.8	9.1	8.6	8.3
Other disabilities.....	29.2	39.2	40.2	44.1	41.3	39.5	41.6	41.9	40.0
Type of job placement:									
Professional, technical, managerial ⁷	7.5	11.6	24.5	36.4	36.8	34.4	37.1	36.1	36.6
Clerical and sales ⁷	15.2	20.9	40.0	46.3	43.0	41.2	45.4	46.2	45.6
Service.....	17.0	27.9	57.8	64.6	59.9	54.8	56.5	55.2	54.1
Agriculture, fishing, etc.....	7.0	7.6	9.2	9.5	9.2	7.9	8.2	7.8	7.7
Industrial.....	29.4	31.2	78.0	95.2	87.7	84.2	90.6	88.6	78.9
Homemakers ⁸	12.1	21.6	42.5	53.7	53.3	46.2	43.9	42.6	43.5
Persons served, total ⁹	298	441	876	1,244	1,238	1,206	1,166	1,129	1,066

NA Not available. ¹ Referred cases only. ² Includes expenditures only, under the basic support provisions of the Rehabilitation Act. ³ Excludes separate agencies for the blind in Idaho and New Jersey. ⁴ Estimates based on amounts appropriated. ⁵ Persons rehabilitated and gainfully employed. Includes persons not reporting type of disability or job placement. ⁶ Persons rehabilitated as a percent of all active case closures (whether rehabilitated or not). ⁷ Includes vending stand personnel. ⁸ Includes unpaid family workers. ⁹ Includes active cases accepted during year plus active cases on hand at beginning of year.

Source: U.S. Dept. of Education, Rehabilitation Services Administration, *Characteristics of Clients Rehabilitated, Caseload Statistics of State Vocational Rehabilitation Agencies in Fiscal Years*, and *State Vocational Rehabilitation Agency Program Data in Fiscal Years*, all annual.

Unemployment Insurance

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NO. 552. UNEMPLOYMENT INSURANCE—ALL PROGRAMS AND FEDERAL PROGRAMS, SUMMARY, 1960 TO 1981 AND BY STATES AND OTHER AREAS, 1981

YEAR AND STATE OR OTHER AREA	ALL REGULAR PROGRAMS ¹				UCFE (Federal employee) PROGRAM				UCX PROGRAM ¹	
	Initial claims (1,000)	Weeks compensated (1,000)	Average weekly beneficiaries (1,000)	Benefits paid, net ² (mil. dol.)	Covered employment ³		Beneficiaries, first payments ⁴ (1,000)	Benefits paid, net ² (mil. dol.)	Beneficiaries, first payments ⁴ (1,000)	Benefits paid, net ² (mil. dol.)
					Average monthly (1,000)	Annual wages (mil. dol.)				
1960	17,718	89,941	1,723	2,867	2,188	13,074	94.0	55.7	207.0	84.3
1965	12,441	61,804	1,189	2,283	2,608	17,877	72.9	50.0	153.4	67.5
1970	16,100	84,319	1,621	4,171	2,681	26,141	94.2	79.7	352.1	203.2
1973	13,362	76,229	1,486	4,487	2,832	33,878	105.6	128.3	230.3	209.4
1974	19,436	103,178	1,984	6,912	2,893	36,872	105.5	148.7	248.5	249.2
1975	25,478	182,835	3,516	19,828	2,900	39,968	120.4	277.3	303.5	528.5
1976	20,706	135,000	2,586	16,157	2,898	42,852	144.5	305.4	281.6	583.0
1977	20,070	119,526	2,299	13,023	2,878	45,746	125.0	275.4	234.1	470.7
1978	18,481	106,326	2,026	9,007	2,923	50,091	98.4	175.5	175.2	277.7
1979	20,614	110,202	2,119	9,401	2,940	53,364	79.4	183.6	181.4	267.5
1980	25,623	163,272	2,947	16,197	3,017	58,300	81.6	181.0	187.5	357.7
1981, total	24,319	139,990	2,864	15,293	2,860	61,836	87.3	216.3	209.7	280.7
Ala.	467	2,307	44	182	65	1,426	2.1	3.8	1.8	4.1
Alaska	77	584	11	77	18	396	1.8	6.0	7	2.4
Ariz.	194	972	19	81	38	775	2.3	2.8	13	2.1
Ark.	286	1,282	25	109	21	405	7	1.7	1.0	2.5
Calif.	2,961	17,501	337	1,532	327	7,038	7.3	22.7	9.3	25.4
Colo.	177	954	18	115	52	1,084	1.5	2.4	1.6	3.9
Conn.	307	1,696	33	180	21	487	.6	1.0	1.4	2.9
Del.	77	471	9	53	5	114	.3	3.2	.5	1.1
D.C.	48	737	14	88	222	5,585	4.6	20.0	.5	2.2
Fla.	415	2,325	45	186	89	1,999	1.2	2.0	3.6	7.3
Ga.	659	2,474	48	190	85	1,749	2.7	3.8	2.8	5.6
Hawaii	78	583	11	62	32	680	.8	1.5	.9	2.3
Idaho	132	647	12	68	12	240	1.5	2.7	.5	1.3
Ill.	1,104	9,739	187	1,486	104	2,186	2.9	10.0	4.5	13.8
Ind.	663	2,856	55	281	48	999	1.9	2.8	2.1	5.0
Iowa	238	1,503	29	174	19	396	.3	.6	1.5	3.7
Kans.	140	1,039	20	111	25	507	7	1.6	1.0	2.3
Ky.	434	2,362	46	284	38	726	2.0	5.7	1.6	5.8
La.	284	2,059	40	240	34	699	1.6	3.4	1.9	5.1
Maine	184	744	14	68	9	167	.3	.6	.8	1.9
Md.	333	2,197	42	216	134	2,919	1.5	3.4	2.1	5.0
Mass.	602	3,947	76	362	57	1,240	2.5	5.0	2.3	6.9
Mich.	1,827	8,129	156	1,191	55	1,182	2.3	7.3	3.9	15.9
Minn.	311	2,306	44	274	31	668	.8	2.0	1.7	4.4
Miss.	271	1,241	24	95	30	573	1.4	2.0	7	1.5
Mo.	616	2,980	57	300	68	1,381	2.4	4.2	2.1	5.5
Mont.	75	468	9	47	14	262	1.2	2.5	.5	1.3
Nebr.	84	527	10	46	16	323	.6	.8	2	.4
Nev.	103	643	12	71	9	199	.6	.9	.5	1.2
N.H.	77	368	7	32	16	340	.2	.2	.6	.7
N.J.	790	6,532	126	776	72	1,788	1.5	7.4	2.2	10.2
N. Mex.	77	485	9	40	30	592	1.4	2.4	.8	1.9
N.Y.	1,808	11,062	213	962	157	3,509	3.8	13.6	5.7	16.8
N.C.	1,025	3,012	58	263	48	956	1.0	2.2	2.4	6.6
N. Dak.	43	303	6	35	10	173	.3	.6	.3	.7
Ohio	1,327	7,508	144	1,018	89	2,036	2.5	4.6	6.0	16.2
Ola.	143	803	12	65	48	980	1.0	1.2	1.1	1.8
Oreg.	453	2,522	48	267	30	619	2.0	4.9	1.4	5.1
Pa.	1,637	9,799	168	1,188	133	2,860	3.9	11.2	5.6	21.0
R.I.	166	877	17	91	9	208	.2	.7	.4	1.6
S.C.	477	1,788	34	163	36	718	1.1	1.2	1.9	4.0
S. Dak.	34	172	3	17	11	199	.3	.5	.2	.6
Tenn.	878	2,687	56	252	74	1,638	6.3	12.6	2.2	6.4
Tex.	508	2,681	51	262	166	3,527	2.9	5.8	4.5	8.8
Utah	101	725	14	76	37	721	2.0	3.3	.5	1.2
Vt.	58	336	6	31	4	89	.1	.3	.2	.5
Va.	443	1,842	25	175	166	3,552	1.4	2.8	2.7	6.5
Wash.	575	3,489	87	416	67	1,384	2.8	7.6	3.1	11.4
W. Va.	171	1,508	20	171	16	322	.3	.9	.9	3.0
Wis.	596	3,883	75	486	27	549	1.3	4.2	2.2	6.9
Wyo.	26	182	4	27	7	143	.6	.7	.2	.4
P.R.	317	1,713	33	148	11	211	.6	1.0	.7	2.2
V.I.	7	80	2	5	11	14	(2)	(2)	(2)	1

Z Less than 50 or \$50,000. ¹Includes State programs shown in table 553 and UCFE and UCX programs. Represents unduplicated counts. 1960 includes temporary unemployment programs and UCV (Korea Veterans) program which terminated Jan. 31, 1960. ²Includes extended benefits payments made under regular State and Federal unemployment insurance programs, the temporary "Federal Supplemental Benefits Program," and the "Special Unemployment Assistance Program." Source: U.S. Bureau of Labor Statistics, *Employment and Wages*, quarterly. ³Excludes first payments filed jointly with State unemployment insurance programs. ⁴Unemployment compensation for ex-servicemen. ⁵Includes railroad benefits not distributed by State. ⁶Data for States exclude FBI employment. ⁷Includes wages not distributed by States. ⁸Data for four quarters. ⁹Data for two quarters. ¹⁰Data for one quarter. ¹¹Data estimated for Sept. through Dec. 1981.

Source: Except as noted, U.S. Employment and Training Administration, *Unemployment Insurance Statistics*, monthly.

No. 553. STATE UNEMPLOYMENT INSURANCE—SUMMARY.

[Beginning 1965, includes Puerto Rico; beginning 1978, includes Virgin Islands. Includes unemployment compensation for employees and for ex-servicemen, except as noted. See also tables 552

YEAR AND STATE OR OTHER AREA	Statutory coverage provisions ¹ (effective July 1961)	COVERED EMPLOYMENT ²			AVERAGE WEEKLY -				Weeks compensated for all unemployment (1,000)
		Average monthly number of workers ³ (1,000)	Wages (mil. dol.)		Insured unemployment		Unemployment benefits		
			Total	Taxable ⁴	Num- ber (1,000)	Per- cent ⁵	Cur- rent dol- lars	Percent of weekly wage	
1960	(x)	40,523	196,834	119,289	1,905	4.8	33	35.2	85,830
1965	(x)	45,495	260,210	143,977	1,328	3.0	37	33.8	58,813
1970	(x)	52,814	387,980	182,320	1,805	3.4	50	35.6	78,858
1973	(x)	64,645	549,971	253,748	1,832	2.7	59	36.1	71,223
1974	(x)	66,696	609,894	265,375	2,262	3.5	64	36.5	97,893
1975	(x)	65,411	642,711	265,229	3,986	6.0	70	37.2	175,305
1976	(x)	67,890	716,066	303,222	2,991	4.6	75	37.1	127,425
1977	(x)	70,830	794,567	323,821	2,655	3.9	79	36.5	113,244
1978	(x)	83,173	992,196	412,530	2,359	3.3	84	37.0	100,984
1979	(x)	86,613	1,120,585	444,384	2,433	2.9	90	35.9	106,112
1980	(x)	86,924	1,226,388	458,885	3,350	3.9	99	37.5	148,952
1981	(x)	87,692	1,354,738	479,290	3,048	3.6	107	36.6	136,922
Ala	20 weeks	1,249	16,947	5,755	50	4.0	77	30.1	2,241
Alaska	At any time	1163	14,191	11,595	10	7.0	129	25.0	550
Ariz	20 weeks	1,000	15,028	5,299	24	2.4	88	30.5	928
Ark	10 days	708	8,951	4,042	31	4.4	92	38.8	1,253
Calif	Over \$100 in any qtr	9,982	165,187	53,662	375	3.8	92	28.9	17,123
Colo	13 weeks or \$500 in qtr	1,234	19,891	6,994	25	2.1	122	39.8	908
Conn	20 weeks	1,405	22,847	7,241	36	2.6	111	35.7	1,665
Del	20 weeks	251	4,077	1,209	8	3.3	106	34.7	455
D.C.	At any time	371	6,887	1,871	12	3.1	131	38.0	625
Fla	20 weeks	3,656	49,771	19,572	61	1.7	81	30.7	2,240
Ga	20 weeks	2,082	28,790	10,878	51	2.5	83	30.4	2,386
Hawaii	At any time	385	5,311	2,921	12	3.0	118	43.8	553
Idaho	20 wks. or \$300 in qtr	303	4,179	2,299	15	5.0	105	39.2	618
Ill	20 weeks	4,421	74,800	24,672	196	4.4	133	37.7	9,584
Ind	20 weeks	1,952	30,926	10,961	65	3.2	91	31.5	2,786
Iowa	20 weeks	1,039	14,552	5,660	30	2.9	122	45.3	1,472
Kans	20 weeks	897	12,707	4,410	21	2.4	102	41.6	1,010
Ky	20 weeks	1,106	15,969	5,824	60	4.5	106	38.3	2,308
La	20 weeks	1,560	24,831	8,893	41	2.7	121	39.3	2,000
Maine	20 weeks	1,395	14,911	1,970	17	4.2	94	39.2	725
Md	At any time	1,558	22,752	7,309	49	3.2	102	36.2	2,133
Mass	13 weeks	2,541	37,986	14,316	86	3.4	105	36.8	3,851
Mich	20 wks or \$1,000 a yr	3,203	58,453	16,418	183	5.9	128	33.9	7,983
Minn	20 weeks	1,670	25,128	9,714	48	2.8	126	43.7	2,255
Miss	20 weeks	767	9,455	3,862	30	3.9	73	30.4	1,208
Mo	20 weeks	1,639	27,159	9,181	70	3.8	91	32.6	2,881
Mont	Over \$500 in year	254	3,465	2,064	10	4.1	111	41.5	442
Nebr	20 weeks	587	7,853	2,624	11	2.0	95	38.4	511
Nev	\$225 in quarter	399	6,169	3,071	13	3.4	107	35.8	627
N.H.	20 weeks	381	4,997	1,900	8	2.2	88	34.2	360
N.J.	\$1,000 in any year	2,980	48,334	18,185	128	4.2	106	34.2	6,404
N. Mex	20 wks or \$450 in qtr	424	5,996	2,574	11	2.8	90	33.0	449
N.Y.	\$300 in quarter	7,036	119,686	34,676	234	3.4	94	29.1	10,612
N.C.	20 weeks	2,300	29,725	11,824	68	3.0	92	36.9	2,945
N. Dak.	20 weeks	220	2,991	1,276	6	3.0	114	44.7	293
Ohio	20 weeks	4,063	65,717	20,813	170	4.1	128	41.1	7,315
Ola	20 weeks	1,122	17,219	6,131	15	1.4	114	37.7	575
Oreg	18 wks. or \$225 in qtr	980	14,586	6,843	57	5.8	107	36.1	2,460
Pa	At any time	4,450	68,667	22,971	199	4.4	126	42.4	8,567
R.I.	At any time	388	5,161	2,233	19	5.0	99	38.0	864
S.C.	20 weeks	1,128	14,472	5,744	42	3.7	85	34.7	1,715
S. Dak	20 weeks	213	2,500	920	4	2.0	104	46.5	164
Tenn	20 weeks	1,650	22,278	8,468	83	3.8	82	31.8	2,742
Tex	20 weeks	5,916	95,100	34,718	65	1.2	100	31.6	2,560
Utah	\$140 in quarter	493	7,263	3,794	15	3.1	115	40.4	688
Vt	20 weeks	193	2,447	918	7	3.9	97	39.8	330
Va	20 weeks	1,930	26,888	9,853	37	1.9	98	37.3	1,769
Wash	At any time	1,546	26,265	11,840	76	4.9	119	36.4	3,372
W. Va	20 weeks	587	9,180	3,897	35	5.8	110	38.0	1,481
Wis.	20 weeks	1,629	26,872	8,785	87	4.7	123	44.2	3,805
Wyo	\$500 in year	209	3,812	1,267	3	1.8	121	36.8	176
P.R.	At any time	700	8,280	4,350	57	7.8	60	34.9	1,885
V.I.	At any time	137	1,469	184	1	3.7	72	29.5	76

X Not applicable.

¹ Employer subject to State unemployment insurance law when he has employed at least one worker on at least 1 day in each of specified number of weeks within current or preceding calendar year and/or specified wages as indicated.

² Source: U.S. Bureau of Labor Statistics, *Employment and Wages*, quarterly. 1981 data are preliminary. ³ For pay period including the 12th of the month. ⁴ Wages subject to unemployment insurance tax, includes State and local government coverage as well as private industry coverage; see text, p. 312. ⁵ Insured unemployment as percent of average covered employment in preceding year. ⁶ Weeks compensated divided by first payment. ⁷ Based on first payments for 12-month period ending June 30.

1960 TO 1961, AND STATES AND OTHER AREAS, 1961

State and local government employees where covered by State law, excludes unemployment compensation for Federal and 657 of this Abstract and Historical Statistics, Colonial Times to 1970, series H 305-317]

Beneficiaries, first payments (1,000)	Average duration of benefits* (weeks)	CLAIMANTS EXHAUSTING BENEFITS		Contributions collected* (mil. dol.)	Benefits paid ¹ (mil. dol.)	Funds available for benefits, end of year ² (mil. dol.)	Average employer contribution rate (percent)	Ratio of benefits to contributions (percent)	YEAR AND STATE OR OTHER AREA
		Number (1,000)	As percent of first payment ³						
6,759	12.7	1,809	26.1	2,288	2,727	6,643	1.9	119.1	1960.
4,613	12.2	1,086	21.6	3,053	2,188	8,357	2.1	70.9	1965.
6,402	12.3	1,295	24.4	■	3,848	11,596	1.3	153.5	1970
5,329	13.4	1,485	27.7	6,000	4,008	10,834	2.0	80.2	1973
7,730	12.7	1,926	31.0	5,228	5,975	10,599	2.0	114.3	1974
11,180	15.7	4,195	37.8	5,227	11,755	4,523	1.9	224.9	1975.
8,580	14.9	3,270	37.8	7,832	8,975	3,361	2.6	119.2	1976.
7,985	14.2	2,850	33.2	9,171	8,357	4,387	2.8	91.1	1977
7,565	13.3	2,039	26.7	11,212	7,717	9,307	2.8	88.8	1978
8,074	13.1	2,037	■	12,096	8,613	12,470	2.7	71.2	1979
8,902	14.9	3,072	33.2	11,416	13,761	11,446	2.5	120.5	1980
8,984	14.6	2,980	32.4	11,885	13,288	11,691	■	113.5	1981
202	11.1	54	27.5	155	153	90	1.8	96.8	Ala.
36	15.5	13	39.3	82	59	106	3.3	72.2	Alaska
71	13.1	20	29.4	72	74	286	1.3	103.5	Ariz.
102	12.2	30	28.3	93	96	29	2.4	106.1	Ark.
1,080	16.2	350	33.8	1,360	1,405	3,237	2.6	104.1	Calif.
78	11.7	29	37.3	62	107	90	1.0	174.1	Colo.
141	11.8	23	17.4	111	173	100	2.3	103.0	Conn.
32	14.3	7	26.0	■	■	3	2.9	129.2	Del.
31	20.5	10	40.5	56	64	5	2.5	115.0	D.C.
160	11.8	67	37.3	192	172	900	1.0	89.5	Fla.
258	9.2	67	26.8	162	177	496	1.5	109.4	Ga.
39	14.0	10	24.8	53	57	110	1.7	107.5	Hawaii
48	12.6	16	38.7	45	56	79	1.9	126.1	Idaho
520	18.4	256	49.5	538	1,204	- 8	3.2	143.7	Ill.
243	11.5	83	35.1	181	239	195	1.7	131.7	Ind.
112	13.2	34	28.8	143	166	100	2.4	115.8	Iowa
74	13.7	27	35.1	88	104	227	2.0	118.4	Kans.
162	14.2	56	37.3	167	219	46	3.3	117.4	Ky.
125	16.0	44	■	192	227	205	2.0	118.3	La.
57	12.7	19	27.1	60	59	31	3.1	98.9	Maine
152	14.0	40	28.6	197	197	412	2.7	99.9	Md.
260	14.8	64	26.5	468	346	399	3.3	73.9	Mass.
577	13.9	215	39.1	624	636	10	4.0	150.0	Mich.
152	14.8	57	38.9	189	261	23	1.8	138.2	Minn.
97	12.4	27	29.4	85	81	260	2.2	95.4	Miss.
220	13.1	81	36.4	172	255	4	1.5	148.4	Mo.
33	13.2	13	39.4	46	42	27	2.9	86.7	Mont.
42	12.0	14	34.8	■	44	92	1.4	90.5	Nebr.
45	13.8	13	28.4	74	68	152	2.4	88.5	Nev.
41	8.7	3	7.6	25	31	83	1.4	129.9	N.H.
430	14.9	164	39.4	691	680	178	3.4	95.4	N.J.
29	15.5	10	33.3	44	35	109	1.7	78.7	N. Mex.
569	19.0	185	33.0	1,127	905	734	3.2	80.3	N.Y.
306	9.8	57	19.3	■	249	610	1.6	120.8	N.C.
20	14.6	8	37.6	34	33	17	2.6	96.7	N. Dak.
496	14.7	158	32.8	550	872	19	2.8	156.5	Ohio
■	10.8	16	30.3	57	80	209	9	105.4	Okla.
174	14.2	43	27.8	206	246	317	3.0	118.3	Oreg.
577	16.8	■	25.7	852	1,078	272	3.9	113.0	Pa.
81	14.2	18	29.2	101	76	41	4.1	77.2	R.I.
141	12.1	40	23.7	110	133	184	1.9	121.4	S.C.
13	12.2	3	21.6	15	16	10	1.5	104.7	S. Dak.
212	12.9	61	29.1	148	209	143	2.0	141.4	Tenn.
187	13.0	79	32.7	200	240	249	.6	119.9	Tex.
47	14.5	15	31.8	64	71	59	1.8	110.3	Utah
24	13.7	5	19.9	29	27	■	3.2	92.3	Vt.
180	11.0	42	26.5	163	163	70	1.6	99.7	Va.
213	15.8	57	28.9	349	■	360	3.0	101.2	Wash.
94	15.7	28	24.8	131	150	26	3.8	113.9	W. Va.
266	14.2	82	31.1	11217	11418	1151	2.6	192.4	Wis.
14	12.3	9	27.4	15	26	70	1.3	174.0	Wyo.
84	20.1	28	35.1	125	117	62	3.0	94.1	P.R.
5	17.3	1	34.0	6	4	1	3.7	81.1	V.I.

*Contributions from employers, also employees in States which tax workers. ¹Through 1970, includes payments under State (not Federal) temporary extended unemployment insurance provisions. ²Sum of balances in State clearing accounts, benefit-payment accounts, and State accounts in Federal unemployment trust funds. Minus sign (-) denotes deficit. ³Estimated for four quarters. ⁴Estimated for one quarter. ⁵Estimated for two quarters. ⁶Data estimated for Sept. through Dec. 1981

Source: Except as noted, U.S. Employment and Training Administration, *Unemployment Insurance Statistics*, monthly, and *Annual Report of the Secretary of Labor*.

**No. 554. PUBLIC AID—RECIPIENTS OF AND AVERAGE MONTHLY CASH PAYMENTS UNDER
SUPPLEMENTAL SECURITY INCOME AND PUBLIC ASSISTANCE: 1960 TO 1981**

(In thousands, except as indicated. As of December, except as noted. SSI: Supplemental security income. SSI data are for federally administered payments only; see text, p. 312. Excludes vendor payments for medical care (i.e., payments made directly to suppliers of medical care). Beginning 1974, Federal SSI program replaced Federal grants for aid to the aged, blind, and disabled in the 50 States and D.C., such grants continued for Puerto Rico, Guam, and Virgin Islands. Residents of Northern Mariana Islands became eligible for SSI in 1978. Public assistance data for all years include Puerto Rico, Guam, and Virgin Islands. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 355-367.)

PROGRAM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Recipients of payments:											
SSI, total ¹	(X)	(X)	(X)	3,906	4,314	4,296	4,236	4,217	4,150	4,142	4,019
Percent also receiving Social Security	(X)	(X)	(X)	(NA)	52.7	51.9	51.9	51.7	51.4	51.0	50.2
Male	(X)	(X)	(X)	(NA)	1,532	1,483	1,472	1,454	1,423	1,423	1,380
Female	(X)	(X)	(X)	(NA)	2,770	2,745	2,756	2,757	2,722	2,716	2,635
White	(X)	(X)	(X)	(NA)	2,755	2,673	2,756	2,733	2,664	2,636	2,517
Black	(X)	(X)	(X)	(NA)	1,120	1,101	1,156	1,153	1,141	1,138	1,105
Aged	(X)	(X)	(X)	2,286	2,307	2,148	2,051	1,966	1,872	1,806	1,576
Blind	(X)	(X)	(X)	75	74	75	77	77	77	78	79
Disabled	(X)	(X)	(X)	1,636	1,633	2,012	2,108	2,172	2,201	2,256	2,262
Old-age assistance ²	2,330	2,106	2,061	19	18	19	19	19	19	19	19
Aid to the blind ³	107	92	80	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Aid to permanently, totally disabled ⁴	359	536	877	17	17	17	18	19	20	21	22
AFDC: ⁵											
Families	803	1,054	2,552	3,323	3,566	3,585	3,547	3,486	3,500	3,843	3,631
Recipients ⁶	3,073	4,396	8,659	11,022	11,401	11,203	10,780	10,349	10,379	11,101	10,535
Children	2,870	3,316	7,093	7,901	8,105	7,803	7,572	7,226	7,207	7,599	7,125
General assistance cases	431	310	547	585	692	885	654	620	606	796	881
Average monthly payments (dol.):											
SSI, total	(X)	(X)	(X)	⁷ 114	114	120	125	130	156	186	189
Aged	(X)	(X)	(X)	⁸ 82	91	94	97	100	123	125	136
Blind	(X)	(X)	(X)	⁹ 143	147	153	159	164	212	213	229
Disabled	(X)	(X)	(X)	⁹ 144	141	146	150	155	182	186	214
Old-age assistance ²	58	63	75	20	21	21	22	22	42	39	(NA)
Aid to the blind ³	67	78	102	15	15	16	17	19	39	36	(NA)
Aid to permanently, totally disabled ⁴	56	65	95	14	15	15	16	17	36	35	(NA)
AFDC: ⁵											
Families	106	137	190	218	229	242	250	256	271	288	(NA)
Recipients	28	33	50	65	72	77	82	86	93	100	(NA)
General assistance cases	72	69	112	140	144	154	156	157	157	181	(NA)

NA Not available. X Not applicable. Z Fewer than 500. ¹Includes items not shown separately. ²Average monthly recipients and payments for the year. ³Aid to Families with Dependent Children program. ⁴Includes the children and one or both parents, or one caretaker relative other than a parent, in families where the needs of such adults were considered in determining the amount of assistance. ⁵Data for Oct.-Dec. 1974.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*; *Social Security Bulletin*, monthly; and *Public Assistance Statistics*, monthly.

No. 555. PUBLIC AID PAYMENTS: 1960 TO 1981

(In millions of dollars. See headnote, table 554. Supplemental Security Income data cover federally- and State-administered payments. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 348-354.)

PROGRAM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Payments, total	3,276	4,023	8,443	14,080	16,913	17,488	18,222	19,577	19,477	21,884	(NA)
Supplemental Security Income	(X)	(X)	(X)	5,246	5,878	6,066	6,308	6,552	7,075	7,941	8,583
Aged	(X)	(X)	(X)	2,509	2,605	2,508	2,446	2,433	2,526	2,734	2,818
Blind	(X)	(X)	(X)	130	131	138	146	152	166	190	206
Disabled	(X)	(X)	(X)	2,602	3,142	3,422	3,709	3,968	4,381	5,014	5,568
Public assistance	3,276	4,023	8,443	8,814	10,436	11,433	11,916	12,025	12,402	14,046	(NA)
Old-age assistance	1,630	1,601	1,602	5	5	5	5	5	9	9	(NA)
Blind	86	86	96	(X)	(2)	(2)	(2)	(2)	(2)	(2)	(NA)
Permanently, totally disabled	237	418	1,000	3	3	3	9	4	9	9	(NA)
Families with dependent children	1,001	1,680	4,853	7,917	9,211	10,141	10,804	10,730	11,069	12,475	(NA)
Emergency assistance ²	(X)	(X)	11	84	79	68	66	61	84	113	(NA)
General assistance	322	259	615	825	1,138	1,228	1,236	1,205	1,231	1,442	(NA)

NA Not available. X Not applicable. Z Less than \$500,000. ¹Includes data not distributed by reason for eligibility. ²Emergency assistance initiated in 1968.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly; and *Public Assistance Statistics*, monthly.

Public Aid Recipients

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NO. 556. PUBLIC AID—RECIPIENTS OF AID TO FAMILIES WITH DEPENDENT CHILDREN (AFDC) AND SUPPLEMENTAL SECURITY INCOME, STATES AND OTHER AREAS: 1970 TO 1981

(In thousands, except percent. As of December, except as noted. For explanation of methodology, see Appendix III)

STATE OR OTHER AREA	AFDC					PUBLIC AID ¹					RECIPIENTS AS PERCENT OF POPULATION	
	Total recipients ¹				Recipient families, 1981	1975	1980	1981			1975	1981
	1970	1975	1980	Total ²				Aged	Dis- abled			
Total ³	9,868	11,401	11,181	10,835	3,831	4,314	4,142	4,019	1,878	2,282	7.1	8.7
Ala	164.3	166.5	178.3	181.9	58.3	146.5	134.1	130.1	70.7	57.5	6.5	7.6
Alaska	9.6	10.6	15.9	12.6	5.6	3.0	3.1	3.1	1.2	1.9	3.8	4.1
Ariz	60.8	68.3	59.8	81.6	22.0	28.2	29.8	29.0	10.8	17.7	4.3	3.3
Ark	60.2	108.6	65.0	72.3	25.7	66.5	77.8	74.6	39.4	33.6	9.1	7.0
Calif	1,542.4	1,426.8	1,498.2	1,568.6	525.3	665.5	717.5	694.2	300.3	375.8	9.4	9.3
Colo	91.6	95.0	81.0	74.5	26.0	35.4	30.5	29.4	11.9	17.1	5.1	3.7
Conn	95.4	134.7	139.7	130.1	45.2	23.3	23.4	23.4	8.9	16.1	4.9	5.3
Del	28.0	31.7	34.2	29.0	10.3	7.0	7.2	6.9	2.3	4.4	6.5	6.6
D.C.	61.0	103.6	82.0	75.6	27.8	15.8	15.1	14.7	4.0	10.5	16.8	15.9
Fla	258.7	246.1	278.4	254.4	94.0	156.7	173.6	172.0	82.3	66.9	4.8	4.4
Ga	280.4	309.5	233.7	227.2	84.6	165.4	154.5	150.4	66.4	51.2	10.4	7.0
Hawaii	32.4	54.1	81.3	68.2	19.0	6.6	10.2	10.2	4.7	5.1	6.7	7.3
Idaho	18.8	19.7	20.3	17.0	6.5	8.8	7.5	7.4	2.4	5.0	3.4	2.8
Ill	483.6	803.2	681.4	711.3	226.6	137.5	123.6	121.7	33.0	66.8	6.4	7.4
Ind	113.9	178.3	170.2	153.6	52.7	44.3	41.4	40.9	13.5	26.3	3.9	3.9
Iowa	74.5	94.5	111.3	88.9	32.5	26.8	25.6	25.0	9.8	14.1	4.1	4.5
Kans	70.3	74.1	72.0	60.2	21.5	24.0	20.4	19.8	7.1	12.4	4.1	4.0
Ky	139.2	197.9	175.1	149.7	55.9	98.2	93.7	91.7	38.0	51.7	7.8	7.4
La	253.8	232.6	219.0	194.0	63.9	151.8	136.5	130.5	59.0	61.5	8.9	8.0
Maine	51.7	68.2	57.7	53.6	19.6	24.8	21.8	20.8	8.8	11.7	9.7	6.8
Md	160.9	218.2	220.3	190.6	69.6	48.5	48.3	47.2	15.0	31.8	6.3	6.2
Mass	256.1	356.9	347.8	229.4	109.3	132.3	123.6	112.8	57.3	50.5	8.5	8.0
Mich	445.1	675.6	752.6	723.7	231.3	119.9	113.8	111.6	34.3	75.4	6.3	9.5
Minn	89.3	130.0	145.6	143.2	50.2	39.2	31.9	30.7	11.6	18.4	4.2	4.4
Miss	136.8	166.2	178.3	158.1	54.7	125.0	111.8	110.9	58.1	51.0	13.0	11.9
Mo	175.3	273.1	215.7	184.9	64.9	100.8	94.4	90.5	35.7	43.5	7.7	6.1
Mont	18.1	19.7	19.9	17.5	6.0	8.4	6.8	6.7	2.1	4.5	3.8	3.5
Nebr	37.4	37.0	37.5	37.0	13.5	16.4	13.7	13.3	4.8	18.2	3.5	3.3
Nev	15.6	15.6	13.6	13.2	4.9	6.2	6.8	6.7	3.4	2.9	3.2	2.6
N.H.	16.1	27.2	23.8	20.1	7.2	5.6	5.4	5.3	1.9	3.3	3.9	3.1
N.J.	419.0	451.9	468.6	427.0	140.3	81.3	85.6	85.3	31.2	53.0	7.2	7.5
N. Mex	57.7	60.0	66.2	53.5	19.1	26.6	25.4	24.9	9.8	14.6	7.5	6.1
N.Y.	1,226.3	1,248.9	1,109.6	1,096.5	359.6	403.1	365.5	352.8	126.1	222.7	9.0	8.3
N.C.	146.9	192.0	201.8	172.7	69.2	150.5	140.6	136.5	59.5	73.9	6.0	5.7
N. Dak	12.1	13.6	13.1	10.2	3.7	8.0	6.3	6.1	2.9	3.1	3.5	3.0
Ohio	338.7	577.7	572.3	588.9	203.6	131.9	119.3	116.6	31.4	62.9	6.4	6.7
Okla	106.8	86.4	92.0	75.7	25.8	84.1	67.3	63.4	30.6	31.8	6.5	5.0
Oreg	102.7	110.2	111.1	78.1	28.9	26.0	22.2	22.1	8.9	14.6	5.5	4.3
Pa	585.5	637.6	637.4	628.0	212.3	147.9	163.2	156.2	52.4	102.7	6.5	6.6
R.I.	46.1	53.6	54.0	53.7	18.7	16.2	15.0	14.8	5.6	9.0	7.3	7.3
S.C.	71.4	136.6	156.1	142.6	53.4	82.4	83.4	81.9	35.9	44.1	7.5	7.8
S. Dak	19.4	25.0	18.8	16.8	6.0	8.0	8.0	7.7	3.4	4.2	6.0	3.8
Tenn	168.9	212.0	173.9	147.2	66.0	138.7	130.6	126.8	56.9	68.9	6.1	6.6
Tex	331.2	361.0	320.0	292.7	96.0	260.0	261.7	259.9	137.4	112.3	6.2	3.8
Utah	36.9	37.4	43.7	36.7	12.2	9.3	7.6	7.6	2.2	5.2	3.5	3.4
Vi	14.6	24.0	24.3	23.3	7.9	9.2	8.9	8.7	3.3	5.2	6.5	6.6
Va	117.5	180.2	175.9	156.1	58.0	77.5	80.6	79.2	32.4	45.4	5.0	4.7
Wash	149.8	144.2	173.3	136.6	51.3	53.0	45.3	43.9	14.0	29.3	6.3	4.3
W. Va	89.9	74.3	60.0	71.0	25.9	43.6	41.0	40.0	12.5	26.9	6.2	6.3
Wis.	96.6	163.6	232.0	253.2	69.3	66.0	68.3	64.6	27.2	36.5	5.2	6.6
Wyo	6.5	8.4	7.0	5.7	2.2	2.5	1.8	1.8	1.7	1.0	2.5	1.8
P.R.	287.6	288.1	166.7	187.3	53.9	(x)	(x)	(x)	(x)	(x)	(x)	(x)
Guam	2.3	3.3	5.3	5.6	1.5	(x)	(x)	(x)	(x)	(x)	(x)	(x)
V.I.	2.2	3.9	3.4	3.6	1.2	(x)	(x)	(x)	(x)	(x)	(x)	(x)
N. Mariana	(x)	(x)	(x)	(x)	(x)	(x)	6	6	3	2	(x)	(x)

X Not applicable. ¹Includes the children and one or both parents, or one caretaker relative other than a parent, in families where the needs of such adults were considered in determining the amount of assistance. ²Covers persons with Federal Supplemental Security Income (SSI) payments and/or federally-administered State supplementation, except as noted. See text, p. 312. ³Includes blind recipients. ⁴Data compiled by U.S. Bureau of the Census. Total recipients as of June of AFDC and of Federal SSI as percent of resident population. For population figures used, see table 11. ⁵SSI totals include small number of recipients whose residence was unknown. ⁶Covers 50 States and D.C. only. ⁷Data for persons with Federal SSI payments only; State has State-administered supplementation. ⁸Estimated. ⁹Data for persons with Federal SSI payments only; State supplementary payments not made.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly.

NO. 557. PUBLIC AID—PAYMENTS UNDER AID TO FAMILIES WITH DEPENDENT CHILDREN (AFDC) AND SUPPLEMENTAL SECURITY INCOME (SSI), STATES AND OTHER AREAS: 1970 TO 1981

[Data for SSI cover Federal SSI payments and/or federally-administered State supplementation, except as noted. See text, pp. 312 and 313, and Appendix B.]

STATE OR OTHER AREA	AFDC							SSI				
	Payments for year (mil. dol.)				Average monthly payment per family			Payments for year (mil. dol.)			Avg. mo. payment, Dec. 1981	
	1970	1975	1979	1980	1970	1975	1980	1975	1980	1981	Aged	Disabled
Total	4,983	9,211	11,088	12,475	\$183	\$219	\$280	1,5716.1	17,714.6	19,386.7	\$138	\$214
Alabama	26	50	81	84	62	96	110	1152.9	1185.3	1214.2	114	182
Alaska	6	13	23	27	191	271	350	4.3	5.5	6.2	143	208
Arizona	22	32	33	40	126	131	174	34.9	53.2	58.8	135	205
Arkansas	15	50	51	51	80	125	145	89.9	107.2	115.5	106	165
California	853	1,349	1,895	2,328	192	248	309	1,256.3	1,962.0	2,050.4	206	299
Colorado	44	75	73	81	168	200	239	39.0	46.4	51.2	114	179
Connecticut	68	130	186	209	237	268	358	26.9	36.8	43.6	123	182
Delaware	9	22	30	32	131	178	227	8.0	11.0	12.2	89	160
District of Columbia	32	92	92	92	212	239	252	22.4	31.0	34.0	137	232
Florida	84	118	164	203	89	122	175	165.8	291.0	335.6	151	193
Georgia	78	136	114	138	103	100	133	177.6	232.9	257.1	114	179
Hawaii	21	80	88	91	241	325	386	14.4	19.9	22.0	189	284
Idaho	11	18	23	24	179	227	258	9.0	11.0	12.6	99	176
Illinois	275	773	681	722	232	294	277	165.8	206.5	232.5	122	186
Indiana	40	105	116	138	144	161	203	41.7	58.5	67.6	97	169
Iowa	43	95	122	144	190	276	307	26.6	33.7	36.0	91	186
Kansas	36	61	72	87	194	215	271	23.1	27.8	30.8	101	160
Kentucky	49	119	122	136	113	177	177	114.1	151.0	168.1	116	184
Louisiana	55	98	106	124	84	121	148	172.6	220.9	239.8	124	189
Maine	22	46	57	60	153	170	233	26.4	28.6	31.4	80	176
Maryland	74	144	165	214	161	175	228	84.1	82.0	91.3	113	187
Massachusetts	212	415	477	510	276	309	341	234.8	240.8	250.3	147	243
Michigan	208	665	680	1,063	210	273	379	173.3	237.0	250.3	131	228
Minnesota	74	134	178	207	234	256	336	36.2	41.8	45.7	99	154
Mississippi	18	32	56	61	47	49	88	137.4	170.8	186.3	114	189
Missouri	57	130	155	182	114	126	217	110.4	128.4	140.1	112	185
Montana	8	13	16	19	147	155	228	6.9	10.7	12.0	96	184
Nebraska	16	27	36	42	152	191	274	16.6	19.0	21.3	91	172
Nevada	5	9	9	11	105	151	207	7.3	11.1	12.4	141	185
New Hampshire	8	24	23	27	209	232	271	5.1	7.8	8.9	96	185
New Jersey	265	437	516	560	251	274	312	106.1	156.4	179.4	155	216
New Mexico	22	32	36	42	122	142	185	30.9	41.3	46.1	118	182
New York	947	1,448	1,808	1,623	266	325	371	687.7	790.7	850.7	160	239
North Carolina	50	121	143	154	117	158	184	157.5	208.8	231.9	109	182
North Dakota	8	12	15	16	205	226	277	8.2	8.6	9.5	97	186
Ohio	152	405	475	561	163	180	250	156.0	200.3	222.6	109	192
Oklahoma	45	67	85	92	138	168	250	62.5	100.0	106.9	117	171
Oregon	50	97	145	147	175	224	318	28.5	34.7	39.2	107	184
Pennsylvania	361	610	716	771	241	268	297	203.7	312.0	333.2	126	216
Rhode Island	29	47	81	72	220	241	325	19.6	24.6	27.4	117	196
South Carolina	15	46	80	72	78	86	107	84.6	123.6	138.0	108	176
South Dakota	11	20	18	18	183	204	218	6.7	10.3	11.6	90	182
Tennessee	53	85	79	85	110	108	113	147.3	198.7	219.6	108	187
Texas	92	146	129	134	119	109	109	274.5	365.0	402.6	111	173
Utah	20	34	39	48	159	227	314	10.6	11.4	12.9	121	188
Vermont	9	21	26	32	200	261	340	12.7	15.7	17.0	117	207
Virginia	56	135	144	160	174	182	214	76.6	118.5	134.6	107	182
Washington	91	136	199	251	205	241	365	75.7	85.4	89.9	126	210
West Virginia	34	44	56	60	118	171	182	51.8	72.3	80.5	120	202
Wisconsin	61	199	288	353	213	278	366	69.1	124.1	127.4	122	218
Wyoming	3	5	7	9	150	183	262	2.5	2.5	2.8	97	167
Puerto Rico	28	25	65	80	47	46	113	(x)	(x)	(x)	(x)	(x)
Guam	1	2	3	3	182	191	208	(x)	(x)	(x)	(x)	(x)
Virgin Islands	1	2	2	2	125	129	198	(x)	(x)	(x)	(x)	(x)
N. Mariana Islands	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	1.4	1.4	207	219

X Not applicable. ¹1975 total includes amount unknown by State. 1980 and 1981 figures include payments to Indo-China refugees (U.S. total \$23.6 million in 1980 and \$28.0 million in 1981). In addition, totals were reduced to reflect returned checks and overpayment refunds. ²Federal SSI payments only; State has State-administered supplementation. ³Includes federally administered State supplementation as follows: for S.C. and Utah, for months prior to July 1975; for Minn., prior to October 1975.

⁴Federal SSI payments only

Source: U.S. Social Security Administration, Annual Statistical Supplement to the Social Security Bulletin, and Public Assistance Statistics, monthly.

NO. 558. STATE-ADMINISTERED SUPPLEMENTAL SECURITY INCOME (SSI)—RECIPIENTS AND PAYMENTS, BY STATES: 1975 TO 1981

[1981 preliminary. Recipients comprise those receiving Federal SSI payments and State-administered supplementation plus those who receive only State supplementary payments. See text, p. 313, and Appendix B]

STATE	RECIPIENTS, DEC. (1,000)			PAYMENTS FOR YEAR (mil. dol.)			STATE	RECIPIENTS, DEC. (1,000)			PAYMENTS FOR YEAR (mil. dol.)		
	1975	1980	1981	1975	1980	1981		1975	1980	1981	1975	1980	1981
Total	303.4	348.5	348.8	182	226	237	Ala.	5.9	10.4	10.2	3	10	12
Ala.	23.2	17.0	18.7	12	12	12	Mo.	53.1	25.0	22.0	25	12	10
Alaska	3.3	1.0	■	3	2	2	Nebr.	5.4	6.1	8.2	3	5	5
Ariz.	1.5	1.7	1.7	2	1	1	N.H.	3.3	4.5	4.4	2	5	6
Calif.	31.1	31.8	34.3	15	32	35	N.C.	10.3	10.7	10.8	14	23	25
Conn.	6.7	12.7	11.5	9	20	22	Ohio	72.8	55.4	55.8	21	42	42
Fla.	2.1	3.2	7.1	1	2	3	Oreg.	20.4	12.3	12.4	6	6	6
Idaho	3.0	3.5	2.9	1	3	3	S.C.	1.2	1.6	1.7	1	2	2
Ill.	45.2	31.0	28.8	34	26	29	Va.	2.1	3.1	3.4	1	6	8
Ky.	6.0	6.4	8.0	8	12	11	Other	.9	8.2	7.8	(2)	3	4

2 Less than \$500,000. 3 Optional supplementation program became effective July 1976.

Source: U.S. Social Security Administration, Social Security Bulletin, June issue.

NO. 559. AID TO FAMILIES WITH DEPENDENT CHILDREN (AFDC)—PERCENT DISTRIBUTION OF RECIPIENT FAMILIES AND CHILDREN, BY CHARACTERISTICS: 1975 TO 1979

[Refers to federally-aided State programs providing aid to needy children deprived of parental care or support. Based on a sample and subject to sampling variability; for details, see source]

FAMILIES	1975	1977	1979	CHILDREN	1975	1977	1979
Recipient families (1,000)	3,439	3,523	3,420	Recipient children (1,000)	8,121	7,998	7,236
PERCENT DISTRIBUTION				PERCENT DISTRIBUTION			
Metropolitan areas ¹	75.5	77.1	77.8	Basic for eligibility:			
Nonmetropolitan areas ²	21.5	22.9	22.2	Father is—			
White	50.2	52.6	51.7	Deceased	3.7	2.8	2.2
Black	44.3	43.0	43.9	Incarcerated	7.7	5.9	5.3
American Indian and other ³	5.5	4.4	4.4	Unemployed	3.7	5.0	4.1
Families with 1 child	37.9	40.3	42.5	Absent from home:			
Families with 2 children	28.0	27.3	26.0	Divorced	18.4	21.4	20.3
Families with 3 children	18.1	16.1	15.5	Separated ⁴	28.8	25.5	24.4
Families with 4 or 5 children	15.0	12.7	11.4	Not married to mother	31.0	33.8	37.8
Families with 6 or more children	5.0	3.6	2.5	Other	4.3	4.1	4.4
Years as recipient: ⁴				Mother is absent, not father	1.8	1.8	1.5
Under 1 year	27.7	30.8	28.5	Age:			
1-3 years	27.3	29.1	28.2	Under 6, including unborn	34.6	36.1	36.5
4-5 years	18.8	18.4	18.4	6-11	33.7	33.9	33.0
6-10 years	18.3	18.5	19.9	12-17	25.5	27.6	27.1
Over 10 years	8.3	5.4	7.1	18-20	2.4	2.6	2.7
				Unknown	.8	.9	.9

¹ Refers to 243 standard metropolitan statistical areas as designated in 1970 census publications. For definition, see Appendix B.

² Includes unknown or not reported. ³ Excludes unknown or not reported. ⁴ Includes legally and nonlegally separated.

Source: U.S. Social Security Administration, 1975 Recipient Characteristic Study (Part 1), Sept. 1977, and Social Security Bulletin, April 1982.

NO. 560. ORPHANS, BY TYPE: 1960 TO 1981

[Includes Puerto Rico and Virgin Islands; beginning 1976, also includes American Samoa, Guam, and citizens (including Armed Forces) overseas. Covers children under age 18 who have been orphaned at any time. Paternal orphan refers to loss of father only, maternal orphan to loss of mother only, full orphan to loss of both parents. Percent of child population based on Social Security Administration estimates of population of children under 18, as of July 1. Data not exactly comparable for all years because of changes in methodology]

YEAR	NUMBER (1,000)				PERCENT OF CHILD POPULATION			
	Total	Paternal	Maternal	Full	Total	Paternal	Maternal	Full
1960, January	2,955	2,055	840	60	4.5	3.1	1.3	.1
1965, January	3,291	2,330	890	70	4.7	3.3	1.3	.1
1970, July	3,291	2,300	890	70	4.6	3.2	1.3	.1
1975, July	3,234	2,339	908	57	4.6	3.4	1.3	.1
1979, July	3,162	2,248	895	46	4.6	3.4	1.4	.1
1980, July	3,073	2,179	850	44	4.7	3.3	1.3	.1
1981, July	2,980	2,114	806	40	4.8	3.3	1.2	.1

Source: U.S. Social Security Administration, unpublished data.

NO. 551. CHILD SUPPORT AND ALIMONY—SELECTED CHARACTERISTICS OF WOMEN: 1978

(Women as of spring 1978. Child support data are for women with own children under 21 years of age present from an absent father. Alimony data are for ever-divorced and currently separated women. Covers civilian noninstitutional population. Based on Current Population Survey; see text, p. 2. For definition of mean, see Guide to Tabular Presentation)

RECIPIENCY STATUS OF WOMEN	Unit	Total ¹	CURRENT MARITAL STATUS				RACE			EDUCATION			
			Divorced	Married ²	Single ³	Separated	White	Black	Spanish origin ⁴	Less than 12 yrs.	4 yrs. high school	1-3 yrs. college	4 or more yrs. college
CHILD SUPPORT													
Total women with children.....	1,000	7,094	2,390	2,008	1,374	1,257	5,085	1,895	521	2,355	3,157	1,117	455
Payments awarded ⁵	1,000	4,196	1,907	1,547	145	957	3,593	546	228	1,096	2,012	798	329
Percent of total.....	Percent	58.1	79.8	77.1	10.6	45.1	70.7	28.8	43.6	46.3	63.7	68.6	71.0
Supposed to receive payment in 1978.....	1,000	3,424	1,893	1,145	107	483	2,973	413	191	870	1,850	529	274
Received payment.....	1,000	2,455	1,241	782	87	336	2,168	260	125	534	1,203	462	236
Percent of total.....	Percent	34.6	51.9	39.0	8.3	26.7	42.6	19.7	24.0	22.6	38.1	43.2	51.6
Percent of supposed.....	Percent	71.7	73.3	68.3	81.3	72.6	72.9	63.0	65.4	61.4	72.9	76.8	85.8
By percent of payments received:													
100 percent and over.....	1,000	1,575	881	496	85	246	1,492	166	80	347	828	329	171
75.0-99.9 percent.....	1,000	154	80	57	7	10	139	8	4	22	75	37	19
50.0-74.9 percent.....	1,000	268	130	85	5	36	236	33	17	66	126	54	18
1-49.9 percent.....	1,000	357	171	131	11	43	302	52	23	95	175	61	26
Did not receive payment.....	1,000	969	452	363	20	127	805	154	68	336	447	147	39
Payments not awarded.....	1,000	2,898	483	459	1,230	690	1,489	1,346	292	1,270	1,145	352	131
Mean money income:													
Women received payments.....	Dollars..	6,944	10,582	7,187	4,522	8,177	8,183	7,271	6,922	8,811	7,937	10,395	16,439
Mean child support.....	Dollars.....	1,799	1,951	1,802	976	1,908	1,981	1,294	1,318	1,503	1,884	2,089	2,574
Women did not receive payments.....	Dollars.....	6,216	7,837	4,587	(8)	5,425	6,140	6,872	(8)	4,507	6,149	8,777	(8)
Women not awarded payments.....	Dollars.....	4,841	7,550	4,372	3,915	4,615	5,154	4,444	4,555	3,497	5,252	8,078	10,949
ALIMONY													
Total divorced or separated women.....	1,000	14,334	5,311	5,788	(x)	2,309	11,936	2,206	780	5,129	5,820	2,101	1,185
Payments awarded ⁵	1,000	2,052	869	835	(x)	240	1,870	165	98	838	839	351	223
Received payments in 1978.....	1,000	626	336	74	(x)	110	486	41	25	119	205	120	89
Mean income from alimony.....	Dollars.....	2,851	3,182	(8)	(x)	2,627	3,041	(8)	(8)	1,772	2,274	4,472	3,486
Did not receive payment.....	1,000	232	135	71	(x)	24	200	31	19	68	98	48	20
Payments not awarded.....	1,000	12,282	4,452	4,924	(x)	2,070	10,066	2,043	682	4,489	5,081	1,750	962

B Base less than 75,000. X Not applicable. ¹Includes other items, not shown separately. ²Remarried women whose previous marriage ended in divorce. ³Never-married women. ⁴Persons of Spanish origin may be of any race. ⁵Includes women who were not supposed to receive payments in 1978, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 112.

NO. 552. SOCIAL SECURITY—CHILD BENEFICIARIES AND BENEFITS: 1965 TO 1981

(Benefits in current-payment status at end of year. For explanation of methodology, see Appendix III)

ITEM	1965	1970	1975	1979	1977	1979	1979	1980	1981
Beneficiaries (1,000):									
Children	3,093	4,122	4,972	5,036	5,083	4,936	4,794	4,610	4,430
Under age 18	2,889	3,915	3,835	3,819	3,813	3,701	3,586	3,426	3,206
Disabled children ¹	198	271	362	362	404	420	435	451	463
Students, 18-21 years old	205	537	774	835	865	817	793	734	761
Of retired workers	461	546	643	653	679	681	652	642	633
Of deceased workers	2,074	2,666	2,919	2,903	2,675	2,780	2,711	2,609	2,546
Of disabled workers	558	890	1,411	1,480	1,526	1,487	1,431	1,359	1,252
Annual benefits (mil. dol.):									
Children	1,922	3,517	6,643	7,434	8,163	6,871	6,416	10,514	11,784
Under age 18	1,832	2,701	4,823	5,296	5,756	5,863	6,062	7,374	8,088
Disabled children ¹	121	250	537	634	710	780	882	1,046	1,236
Students, 18-21 years old	169	566	1,283	1,504	1,695	1,908	1,642	2,093	2,461
Of retired workers	175	303	634	722	746	821	1,014	1,142	1,321
Of deceased workers	1,515	2,780	4,888	6,364	5,914	6,093	6,805	7,399	8,307
Of disabled workers	232	454	1,121	1,328	1,503	1,657	1,794	1,862	2,136
Average monthly benefits, Dec. (dollars):									
Children of retired workers	32	48	77	66	65	106	119	140	161
Children of deceased workers	61	62	139	162	166	118	208	240	271
Children of disabled workers	32	39	62	69	75	85	95	110	123

¹ 18 years old and over. Disability began before age 18 and, beginning 1973, before age 22.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

NO. 563. HEAD START PROGRAM—ENROLLMENT AND APPROPRIATIONS: 1965 TO 1981

[For years ending June 30, except, beginning 1977, ending Sept. 30. Head Start program was designed to help communities overcome the handicaps of disadvantaged preschool children by providing preschool children from low-income families with a comprehensive program that would meet their educational, social, health, nutritional, and psychological needs]

ITEM	Unit	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total enrollment	1,000	561	424	388	368	326	336	322	361	366	376	367
Full year program ¹	1,000	(X)	229	262	290	292	292	296	365	369	362	376
Summer program	1,000	561	195	86	89	46	46	26	26	19	14	12
Federal gov't appropriation	ML. dol	96	326	362	362	441	455	475	625	660	735	819

X Not applicable.

¹ Includes children enrolled in Parent and Child Centers which serve children from infancy to 3 years old.

Source: U.S. Dept. of Health and Human Services, Administration for Children, Youth and Families, unpublished data.

NO. 564. BOY SCOUTS AND GIRL SCOUTS—MEMBERSHIP AND UNITS: 1960 TO 1981

[In thousands. Boy Scouts as of Dec. 31; Girl Scouts as of Sept. 30. Includes Puerto Rico and outlying areas]

ITEM		1965	1970	1975	1976	1977	1978	1979	1980	1981
BOY SCOUTS OF AMERICA										
Membership		5,166	5,733	6,267	6,316	6,864	6,716	6,469	6,266	6,216
Boys		3,783	4,231	4,663	3,933	3,600	3,466	3,303	3,176	3,207
Cub Scouts (8-10 yr. old)		1,665	2,064	2,436	1,997	1,674	1,643	1,756	1,716	1,696
Boy Scouts (11-17 yr. old)		1,847	1,860	1,916	1,503	1,339	1,225	1,129	1,068	1,064
Explorers (14 yr. and over) ¹		271	317	320	434	387	398	362	402	447
Adults		1,362	1,502	1,604	1,366	1,264	1,252	1,190	1,109	1,110
Total units (packs, troops, posts)		130	145	157	160	141	137	134	129	130
GIRL SCOUTS OF THE U.S.A.										
Membership		2,418	2,847	3,922	3,234	3,160	3,140	3,064	2,961	2,764
Girls ²		2,646	3,030	3,248	2,723	2,623	2,563	2,511	2,369	2,250
Brownies (6-8 yr. old)	(³)	1,072	1,259	1,180	1,156	1,199	1,245	1,206	1,115	1,110
Juniors (9-11 yr. old)	(³)	1,416	1,509	1,186	1,114	1,084	977	926	894	916
Cadetettes (12-14 yr. old)	(³)	443	396	301	275	252	218	193	172	170
Seniors (15-17 yr. old)	(³)	69	66	74	66	64	57	52	46	46
Adults		773	617	674	511	537	557	573	572	534
Total units (troops)		164	153	164	156	157	159	156	157	154

¹ Both girls and boys are members.

² Beginning 1976, includes girls registered in other categories, not shown separately.

³ Comparable data not available.

Source: Boy Scouts of America, National Council, Irving, Texas, *Annual Report*; and Girl Scouts of the United States of America, New York, N.Y., *Annual Report*.

NO. 565. NONGOVERNMENT SOCIAL SERVICES ESTABLISHMENTS—SUMMARY: 1977

[Covers only establishments with payroll. For explanation of methodology, see Appendix III]

TAXABLE STATUS	Unit	Total	Individual and family social services	Job training, vocational rehabilitation	Child day care	Residential care	Social services n.e.c. ¹
Number of establishments, total	Number	64,067	14,426	4,132	24,613	10,203	11,693
Tax-exempt	Number	40,963	12,440	3,396	10,641	5,603	6,903
Taxable	Number	23,104	1,986	736	14,172	4,600	1,610
Paid employees ² , total	1,000	664	163	162	190	185	161
Tax-exempt establishments	1,000	676	167	196	102	136	133
Taxable establishments	1,000	177	16	13	66	50	12
Payroll, total	ML. dol	4,990	1,236	700	634	1,134	1,086
Tax-exempt establishments	ML. dol	4,124	1,143	611	496	661	664
Taxable establishments	ML. dol	866	94	89	338	253	90
Expenses, tax-exempt establishments	ML. dol	6,295	2,237	1,046	829	1,857	2,323
Receipts, taxable establishments	ML. dol	2,036	202	167	780	666	224

¹ N.e.c. = Not elsewhere classified.

² For week including March 12.

Source: U.S. Bureau of the Census, *Census of Service Industries, 1977, Geographic Area Series, SC 77-A 53*.

NO. 555. AMERICAN RED CROSS—SUMMARY: 1960 TO 1981

[For years ending June 30]

ITEM	Unit	1960	1965	1970	1975	1979	1979	1980	1981
Red Cross chapters	Number	3,055	3,446	3,240	3,142	3,124	3,106	3,082	3,053
Community volunteers ¹	1,000	2,000	2,000	2,310	1,371	1,383	1,357	1,418	1,406
Students participating in Red Cross school programs	1,000	(NA)	(NA)	6,820	8,191	5,708	5,590	4,198	3,596
Blood donors—Red Cross and community services ¹	1,000	(NA)	(NA)	(NA)	4,262	3,761	3,656	4,156	4,863
Income, total	ML. dol.	96.0	105.0	147.1	248.7	377.8	428.9	481.8	553.0
Fund campaign contributions	ML. dol.	83.3	80.5	124.4	125.6	141.8	152.1	163.5	173.2
Blood services, U.S. Government research grants ²	ML. dol.	(³)	(³)	(³)	86.7	190.2	222.6	241.2	301.7
Other ⁴	ML. dol.	12.7	14.6	22.7	34.5	45.8	52.0	76.9	78.1
Expenditures, total ⁵	ML. dol.	88.7	108.1	149.4	237.3	358.6	396.2	455.0	524.2
Services to Armed Forces, veterans, and families	ML. dol.	33.6	39.1	56.8	52.7	46.7	46.6	55.6	58.8
Disaster services	ML. dol.	6.5	15.6	32.6	22.0	33.1	36.6	57.5	49.6
Blood services	ML. dol.	⁶ 12.6	⁶ 15.9	⁶ 15.3	100.3	183.4	217.8	241.2	301.4
Disaster services:									
Disaster relief operations	Number	325	435	688	1,023	1,341	2,446	3,418	6,734
Families assisted	1,000	14.9	29.7	43.4	22.3	47.7	43.2	90.5	36.3
Persons given emergency care	1,000	106	654	398	278	628	494	689	997
Disaster incidents ⁷	1,000	(NA)	11.9	20.4	31.0	36.8	36.1	35.7	36.4
Families assisted	1,000	(NA)	17.5	31.2	45.4	46.1	50.0	46.3	50.3
Red Cross blood services:									
Blood voluntarily donated	1,000 units	2,422	2,775	3,175	4,291	5,055	6,215	5,435	5,629
Hospitals and blood banks served	Number	4,000	4,300	4,100	4,117	4,416	4,336	4,359	4,541
Certificates issued: Nursing and health	1,000	212	308	404	547	593	576	488	475
First aid, small craft, water safety	1,000	2,736	3,606	3,955	4,989	5,047	5,187	5,417	5,722

NA Not available. ¹Estimated. ²Includes civilian and Federal hospital participation fees and other. ³Expenditures reported net of income. ⁴Primarily income from endowment and other invested funds, legacies, and restricted contributions. ⁵Includes other types not shown separately. ⁶Mainly involving a small number of families.

Source: American Red Cross, Washington, D.C., *Annual Report*.

NO. 567. UNITED WAY CAMPAIGN FUNDS RAISED, BY MAJOR DONOR: 1960 TO 1981

[In millions of dollars. "Campaign": A series of operations or systematic effort to reach a desired result or "goal"]

MAJOR DONOR GROUP	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Total	457	598	788	879	1,023	1,194	1,265	1,315	1,423	1,530	1,689
Corporations	159	194	225	271	281	293	301	331	394	430	457
Individuals:											
At workplace	231	349	478	601	643	700	783	883	931	999	1,086
Residential	87	22	37	36	40	34	33	33	34	34	136
Other		33	48	71	59	77	88	61	84	67	

Source: United Way of America, Alexandria, Va., unpublished data.

NO. 568. PRIVATE PHILANTHROPY FUNDS, BY SOURCE AND ALLOCATION: 1960 TO 1981

[In billions of dollars. Estimates for sources of funds based largely on reports of the U.S. Internal Revenue Service for limited deductions, corporate profits, and bequests. Data adjusted for nonitemized IRS deductions and after comparison with levels of gross national product, personal income, population, and publicly reported large bequests. For bases of allocation of funds, see source. See *Historical Statistics, Colonial Times to 1970*, series H 388-411, for similar but not comparable data]

SOURCE AND ALLOCATION	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total funds	9.4	13.3	30.7	26.6	27.7	29.7	32.6	36.0	40.1	43.3	47.7	53.8
Individuals	7.6	10.4	15.9	20.4	22.3	24.2	26.6	29.3	32.8	36.5	39.8	44.5
Foundations	.7	1.1	1.9	2.0	2.1	2.0	2.1	2.0	2.6	2.2	2.9	2.6
Corporations	.5	.8	.8	1.2	1.2	1.2	1.5	1.7	2.1	2.3	2.7	3.0
Charitable bequests	.6	1.0	2.1	2.0	2.1	2.2	2.4	3.0	2.6	2.2	2.4	3.5
Allocation:												
Religion	4.8	6.5	9.3	10.5	11.0	12.9	14.2	16.0	18.5	20.1	22.2	24.9
Education	1.5	2.3	3.2	4.1	4.1	4.0	4.5	4.8	5.6	6.0	6.7	7.4
Health and hospitals	1.1	1.5	3.4	4.2	4.3	4.4	4.9	4.9	5.5	6.0	6.5	7.3
Social welfare	1.4	1.9	2.8	3.1	3.1	3.1	3.2	3.5	4.0	4.4	4.7	5.3
Arts and humanities	.2	.2	.8	1.3	1.3	1.7	2.3	2.3	2.5	2.7	3.0	3.3
Civic and public	.1	.2	.4	.6	.8	.9	1.1	1.2	1.2	1.2	1.4	1.6
Unallocated	.3	.8	.9	1.8	2.2	2.7	2.4	2.5	2.5	2.9	3.4	3.8

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No. 566. PRIVATE FOUNDATIONS—SELECTED FINANCES: 1974 AND 1979

(In millions of dollars, except as indicated. Covers nongovernment nonprofit organizations with funds and programs managed by their own trustees or directors, whose goal was to maintain or aid social, educational, religious, or other activities deemed to serve the common good. Foundations in existence at any time during the year were required to file a return regardless of income or assets. Data are estimates based on a sample of Form 990-PF returns. For details, see source.)

ITEM	1974, total	1979, BY SIZE OF ASSETS				
		Total ¹	\$1- \$100,000	\$100,000- \$1,000,000	\$1,000,000- \$10,000,000	\$10,000,000 and over
Number of foundations.....	26,889	27,960	14,524	8,717	3,026	490
Total assets ²	25,514	34,668	367	2,896	6,815	22,480
Corporate stock.....	13,407	15,740	117	1,033	3,421	11,169
Corporate bonds.....	5,045	7,037	61	540	1,806	4,630
Government obligations.....	1,441	4,153	27	329	1,176	2,621
Total liabilities.....	1,840	1,501	20	67	302	1,112
Net worth.....	23,674	33,167	376	2,831	6,513	21,347
Total receipts ³	2,792	6,013	205	622	1,572	3,608
Contributions, gifts and grants.....	1,217	2,282	180	339	863	1,116
Dividends.....	743	1,196	13	87	270	826
Interest.....	571	1,225	15	119	337	753
Total deductions ⁴	2,717	3,536	187	444	1,007	1,876
Contributions, gifts and grants.....	1,863	2,801	143	365	776	1,518
Net income.....	75	2,485	8	178	566	1,733
Adjusted net income.....	1,450	2,580	39	221	572	1,645
Expenditures for exempt purposes.....	2,409	3,246	185	414	911	1,720

¹ Includes foundations with assets zero or not reported, not shown separately. ² Includes other items not shown separately.

Source: U.S. Internal Revenue Service, *Statistics of Income, Private Foundations, 1974-1978*, and *Statistics of Income Bulletin*, Fall 1982.

No. 570. FOUNDATIONS—NUMBER AND FINANCES, STATES AND OTHER AREAS

(Figures are for latest year reported by foundations, usually 1979 or 1980. See headnote, table 566. Excludes organizations which make general appeals to the public for funds, act as trade associations for industrial or other special groups, or do not currently award grants.)

STATE	Num- ber	FINANCES (mil. dol.)			STATE	Num- ber	FINANCES (mil. dol.)		
		Assets	Grants	Gifts received			Assets	Grants	Gifts received
Total.....	22,536	41,594	2,848	2,214	Massachusetts.....	1,270	872	86	40
Alabama.....	158	101	9	8	Michigan.....	701	2,844	194	44
California.....	1,820	3,526	241	490	Minnesota.....	485	1,149	98	103
Colorado.....	217	374	27	10	Missouri.....	525	625	60	33
Connecticut.....	654	701	50	43	New Jersey.....	676	1,628	107	49
Delaware.....	130	417	21	7	New York.....	4,567	11,575	774	294
District of Columbia.....	207	364	22	24	North Carolina.....	409	880	62	15
Florida.....	690	694	39	31	Ohio.....	1,088	1,559	131	66
Georgia.....	391	636	39	16	Oklahoma.....	182	772	39	10
Hawaii.....	77	140	6	2	Oregon.....	200	156	12	5
Illinois.....	1,468	1,965	149	513	Pennsylvania.....	1,269	3,362	220	77
Indiana.....	424	1,239	65	19	Rhode Island.....	124	134	9	9
Iowa.....	277	135	13	11	South Carolina.....	139	120	7	7
Kansas.....	202	107	10	7	Tennessee.....	228	327	21	5
Kentucky.....	122	147	9	3	Texas.....	1,063	2,736	189	107
Louisiana.....	166	156	8	7	Virginia.....	358	257	20	14
Maryland.....	398	301	26	13	Washington.....	289	339	25	25
					Wisconsin.....	649	496	53	29
					Other States and P.R.....	1,215	679	46	77

Source: The Foundation Center, New York, N.Y., *The National Data Book*, 6th edition, 1982.

No. 571. FOUNDATIONS—GRANTS REPORTED, BY SUBJECT FIELD: 1980 AND 1981

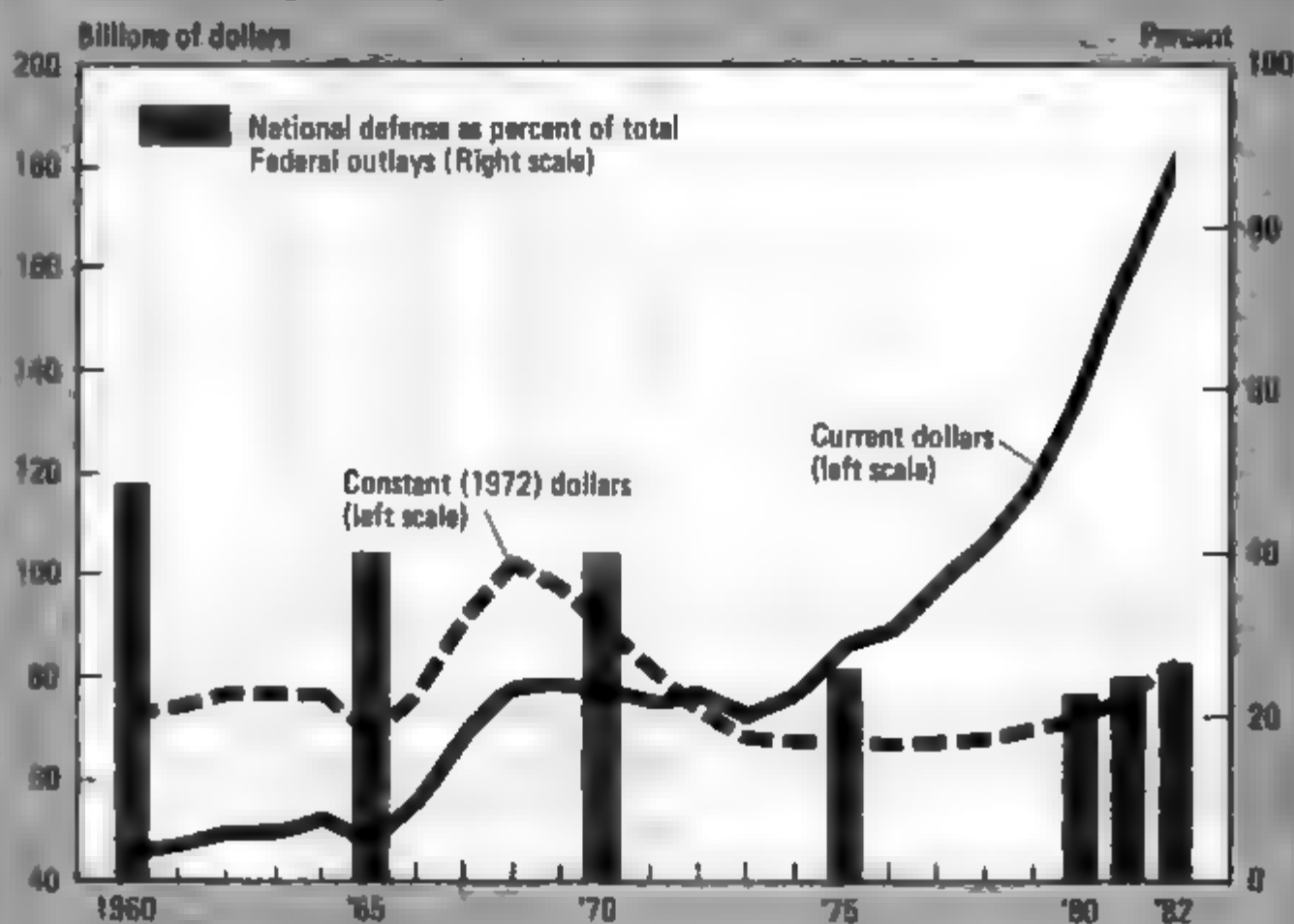
(Number and type of foundations reporting varies from year to year. Covers grants of \$5,000 or more in size. Based on reports of about 400 foundations which represented about 45 percent of all grant dollars awarded by private foundations. Minus sign (-) indicates decrease. See headnote, table 566, for definition of foundation.)

SUBJECT FIELD	NUMBER		AMOUNT				
	1980	1981	Total (mil. dol.)		Percent change 1980-81	Percent distribution	
			1980	1981		1980	1981
Total.....	21,899	22,322	1,191	1,267	6.6	100.0	100.0
Welfare.....	6,811	7,247	292	329	12.7	24.5	26.2
Education.....	4,719	4,506	286	286	-2	22.4	21.1
Health.....	3,494	3,746	289	289	-5.5	25.1	22.5
Culture.....	3,291	3,878	181	193	16.6	13.5	15.3
Science.....	1,375	1,288	75	67	14.9	6.3	5.9
Social science.....	1,182	1,273	86	76	11.6	5.7	6.0
Religion.....	718	404	29	25	-14.1	2.4	2.0

Source: The Foundation Center, New York, N.Y., *Foundation Grants Index*, annual.

Figure 12.1

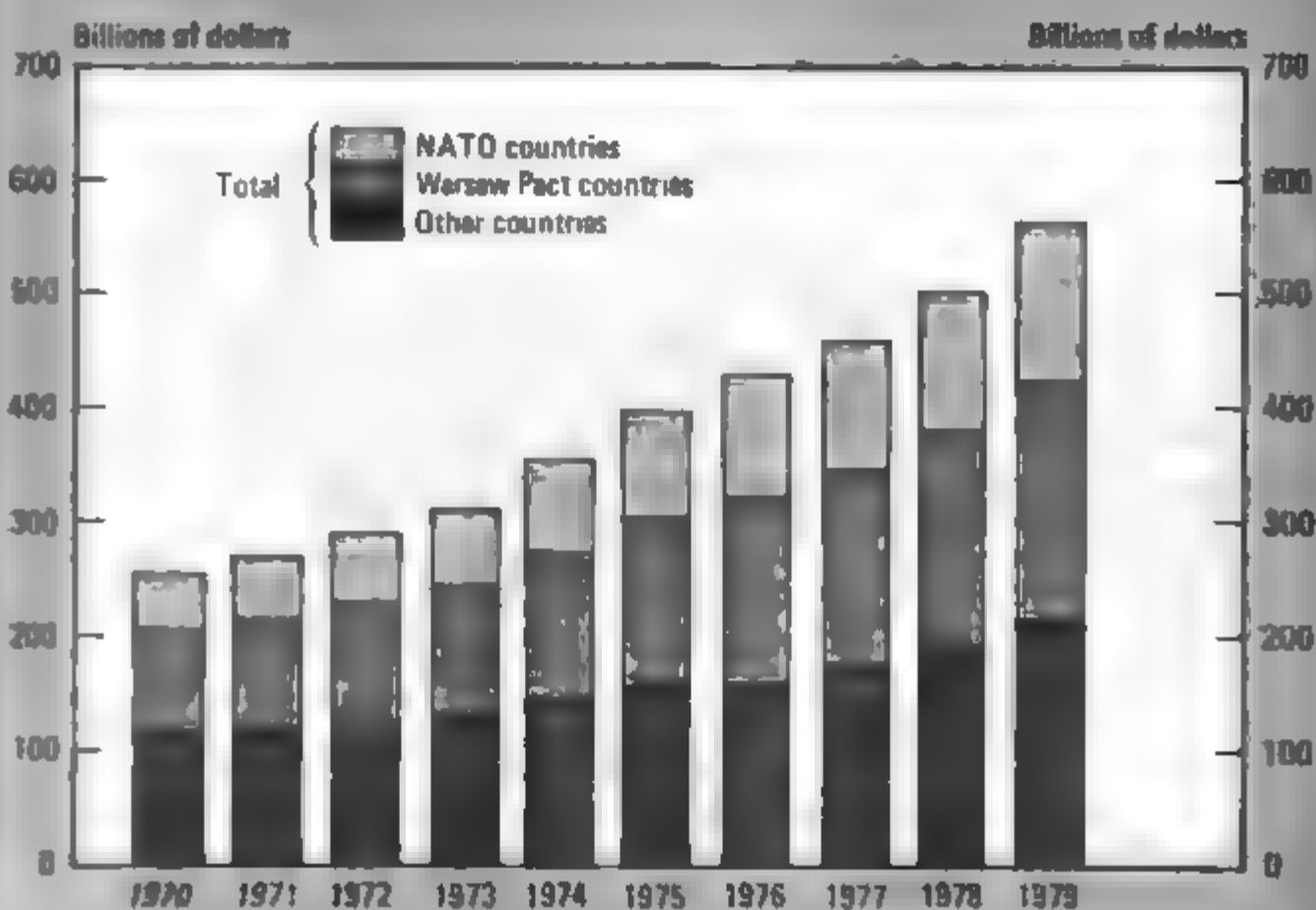
Federal Budget Outlays for National Defense: 1960 to 1982



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 572.

Figure 12.2

World Military Expenditures: 1970 to 1979



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 573.



Section 12

National Defense and Veterans Affairs

This section presents data on national defense and its human and financial costs; active and reserve military personnel; ships, equipment and aircraft; and federally sponsored programs and benefits for veterans. The principal sources of these data are the annual *Selected Manpower Statistics* and other reports issued by the Office of the Secretary of Defense; annual reports of the Departments of the Army, Navy, and Air Force, and the National Guard Bureau; *Annual Report of Administrator of Veterans Affairs*, Veterans Administration, and *The Budget of the United States Government*, Office of Management and Budget. For more data on expenditures, personnel, and ships, see Section 33.

Department of Defense (DOD).—The Department of Defense is responsible for providing the military forces of the United States. It includes the Office of the Secretary of Defense, the Organization of the Joint Chiefs of Staff, the military departments (Army, Navy, Air Force), and the defense agencies (e.g., Defense Logistics Agency). The Secretary of Defense is appointed from civil life by the President and must be confirmed by the U.S. Senate. The President serves as Commander in Chief of the Armed Forces; from him, the authority flows to the Secretary of Defense and through the Joint Chiefs of Staff to the commanders of unified (e.g., the overseas commands in Europe and the Pacific where Army, Navy, and Air Force activities are unified under command of a single person) and specified commands (e.g., Strategic Air Command).

Reserve components.—Reserve personnel of the Armed Forces consist of the Army National Guard, Army Reserve, Naval Reserve, Marine Corps Reserve, Air National Guard, Air Force Reserve, and Coast Guard Reserve. They provide trained personnel available for active duty in the Armed Forces in time of war or national emergency and at such other times as authorized by law.

The National Guard has dual Federal-State responsibilities and uses jointly provided equipment, facilities, and budget support. In peacetime, the National Guard is State administered, and trained under the authority of the State Governors. The President is empowered to mobilize the National Guard and to use such of the Armed Forces as he considers necessary to enforce Federal or State authority in any State.

Veterans Administration.—The Veterans Administration (VA) administers laws authorizing benefits for eligible former and present members of the Armed Forces, and for the beneficiaries of deceased members. Veterans benefits available under various acts of Congress include: Compensation for service-connected disability or death, pensions for nonservice-connected disability or death; vocational rehabilitation, education, and training; home loan insurance; life insurance; health care; special housing and automobiles or other conveyances for certain disabled veterans; burial and plot allowances; and educational assistance to families of deceased or totally disabled veterans, servicemen missing in action, or prisoners of war. Since these benefits are legislated by Congress, the dates they were enacted and the dates they apply to veterans may be different from the actual dates the conflicts occurred.

VA estimates of veterans cover all persons with service during periods of war or armed conflict and include those living outside the United States. Veterans whose active duty service was entirely during periods of peacetime are eligible for some veterans benefits and, where appropriate, are included in VA estimates.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

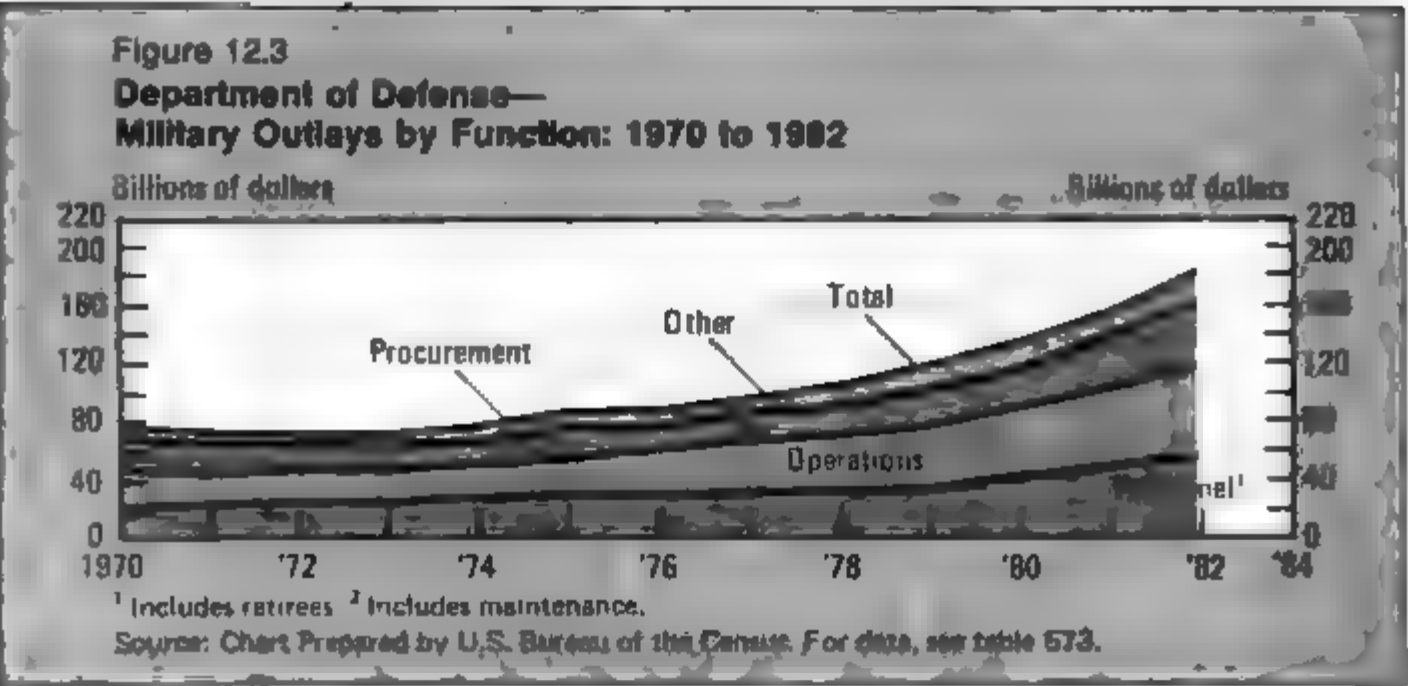
NO. 572. FEDERAL BUDGET OUTLAYS FOR NATIONAL DEFENSE AND VETERANS BENEFITS:
1950 TO 1982

(Through 1976, for years ending June 30, except as noted; beginning 1977, ending Sept. 30. Includes outlays of Department of Defense, Veterans Administration, and other agencies for activities primarily related to national defense and veterans programs. For explanation of average annual percent change, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series Y 472-473 and Y 476, for related data. Minus sign (-) indicates decline)

YEAR	TOTAL FEDERAL OUTLAYS, ALL FUNCTIONS			Total national defense and veterans outlays (bil. dol.)	NATIONAL DEFENSE OUTLAYS						VETERANS BENEFITS	
	Cur- rent (bil. dol.)	Constant (1972) dollars			Current dollars			Constant (1972) dollars		Total out- lays (bil. dol.)	Per- cent of total Fed- eral out- lays	
		Total (bil. dol.)	Annual percent change ¹		Total (bil. dol.)	Annual percent change ¹	Percent of—		Total (bil. dol.)			Annual percent change ¹
							Fed- eral out- lays	GNP ²				
1950	42.6	91.2	-20.4	21.2	12.4	5.5	29.1	4.8	29.7	-35.0	9.6	20.7
1955	69.5	126.7	8.6	44.5	39.6	26.3	58.1	10.5	77.0	21.0	4.7	6.9
1960	92.2	144.0	2.6	50.6	45.2	2.8	49.0	9.1	73.7	-9	5.4	5.9
1962	106.8	160.6	5.7	54.7	49.0	5.2	45.9	8.9	77.2	2.4	5.6	6.3
1963	111.3	163.0	1.4	55.7	50.1	2.3	45.0	8.7	76.6	-5	5.5	5.0
1964	118.6	170.1	4.4	57.2	51.5	2.8	43.5	8.3	77.0	.3	5.7	4.8
1965	118.4	166.7	-2.0	53.2	47.5	-7.8	40.1	7.2	69.3	-10.0	5.7	4.8
1966	134.7	182.6	9.5	60.8	54.9	15.6	40.7	7.8	76.5	10.4	5.8	4.4
1967	157.8	207.0	13.4	75.1	68.2	24.4	43.3	8.8	92.3	20.7	6.9	4.4
1968	178.1	224.4	8.4	85.6	78.6	15.4	44.2	9.5	101.7	10.2	6.8	3.9
1969	183.6	220.4	-1.7	87.1	79.4	.8	43.2	8.7	96.0	-3.7	7.6	4.1
1970	195.7	220.0	-2	87.2	78.6	-1.0	40.1	8.1	90.3	-7.9	8.7	4.4
1971	210.2	222.5	1.1	86.6	75.8	-3.6	36.1	7.3	81.5	-9.7	9.8	4.6
1972	230.7	230.7	3.7	87.3	78.6	1.1	33.2	6.8	76.6	-6.0	10.7	4.6
1973	245.6	233.1	1.0	86.6	74.5	-2.7	30.3	6.0	69.9	-8.7	12.0	4.9
1974	267.9	236.9	1.6	91.2	77.8	4.4	29.1	5.6	66.1	-2.6	13.4	5.0
1975	324.2	260.6	10.0	102.1	85.6	10.0	26.4	5.8	68.5	.6	16.6	5.1
1976	364.5	274.9	5.5	107.9	89.4	4.5	24.5	5.5	67.0	-2.2	18.4	5.0
1976, TO ³	84.2	86.5	(x)	26.3	22.3	(x)	23.7	6.2	16.3	(x)	4.0	4.2
1977	400.5	260.9	2.2	115.5	97.5	9.1	24.3	5.2	67.4	.6	18.0	4.5
1978	448.4	294.3	4.8	124.2	105.2	7.9	23.5	5.0	67.6	.8	19.0	4.2
1979	491.0	296.3	1.4	137.6	117.7	11.9	24.0	5.0	70.4	3.6	19.9	4.0
1980	576.7	319.4	7.1	157.0	135.8	15.5	23.8	5.3	73.1	3.6	21.2	3.7
1981	657.2	330.6	3.5	162.8	159.9	17.6	24.3	5.6	76.6	4.8	23.0	3.6
1982, est	725.3	336.1	2.3	211.7	187.5	17.3	25.8	6.1	82.6	7.6	24.2	3.3

X Not applicable. ¹Change from prior year shown; for 1950, change from 1945. ²Gross national product; for definition, see text, p. 417. ³Transition quarter, July-Sept.

Source: U.S. Office of Management and Budget, *The Budget of the United States Government*, annual, and unpublished data.



NO. 573. BUDGET OUTLAYS FOR NATIONAL DEFENSE FUNCTIONS: 1965 TO 1982

[In billions of dollars, except percent. For years ending June 30 except, beginning 1977, ending Sept. 30. Minus sign (—) indicates decline. See *Historical Statistics, Colonial Times to 1970*, series Y 473, for total]

DEFENSE FUNCTION	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, est.
Total	47.5	78.5	78.5	74.5	77.8	85.5	88.4	87.5	105.2	117.7	135.9	155.5	167.5
Percent change ¹	1.0	10.6	1.1	-2.7	4.4	10.0	4.4	-9.1	20.0	10.3	13.5	12.8	8.7
Defense Dept. military	45.9	77.1	75.1	73.2	77.6	84.9	87.9	85.5	103.0	115.0	132.8	150.1	162.8
Military personnel	13.4	23.0	23.0	23.2	23.7	25.0	25.1	25.7	27.1	28.4	30.8	36.4	42.7
Percent of military	29.2	29.8	30.6	31.7	30.5	29.4	28.6	28.9	26.3	24.7	23.2	23.3	23.3
Active forces	12.7	22.0	21.6	21.7	22.1	23.2	23.3	23.9	25.1	26.3	28.5	33.4	39.3
Reserve forces	7	1.1	1.4	1.5	1.6	1.7	1.8	1.8	2.0	2.1	2.3	3.0	3.4
Military retirees	1.4	2.8	3.9	4.4	5.1	6.2	7.3	8.2	9.2	10.3	11.9	13.7	15.0
Percent of military	3.1	3.5	5.2	6.0	6.6	7.3	8.3	9.6	8.9	9.0	9.0	9.0	9.2
Operation, maintenance	12.3	21.6	21.7	21.1	22.5	26.3	27.8	30.6	33.6	35.4	44.8	51.9	61.3
Procurement ²	11.8	21.6	17.1	15.7	15.2	18.0	18.0	18.2	20.0	25.4	29.0	35.2	41.3
Army	1.8	5.2	3.9	2.8	2.6	2.5	1.4	2.6	3.2	4.5	5.4	6.9	8.7
Navy ³	4.9	7.8	7.1	7.0	7.3	8.1	8.0	8.5	9.2	11.8	12.4	14.4	16.2
Air Force	5.1	8.4	6.0	5.8	5.4	5.3	6.5	6.9	7.3	8.9	10.0	13.2	15.8
Research and development	6.2	7.2	7.9	8.2	8.6	8.9	8.9	9.6	10.5	11.2	13.1	15.3	18.3
Military construction	1.0	1.2	1.1	1.1	1.4	1.5	2.0	1.9	1.9	2.1	2.5	2.5	2.7
Family housing	.5	.5	.7	.7	.9	1.1	1.2	1.4	1.4	1.5	1.7	1.7	2.1
Other ⁴	-.9	-1.0	-.3	-.1	-.2	-.1	-.4	.2	-.6	-.2	-1.0	-.6	-.7
Atomic energy activities ⁵	1.5	1.4	1.4	1.4	1.5	1.5	1.6	1.9	2.1	2.5	2.9	3.4	4.5
Defense-related activities ⁶	-	.1	.1	1	-1.2	.8	-	-	.2	1	1	.3	.2

- Represents zero. ¹Average annual percent change. For 1965, change from 1960, for all other years, from prior years shown. ²Includes other defense agencies not shown separately. ³Includes Marine Corps. ⁴Revolving and management funds, trust funds, special foreign currency program, allowances, and offsetting receipts. ⁵Defense activities only. ⁶Includes civil defense activities.

NO. 574. DEPARTMENT OF DEFENSE—FUNDS AVAILABLE AND OUTLAYS: 1965 TO 1982

[In billions of dollars, except percent. For years ending June 30 except, beginning 1977, ending Sept. 30. See *Historical Statistics, Colonial Times to 1970*, series Y 458-460 for outlays]

ITEM	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, est.
Funds available	64.2	80.6	86.6	82.7	85.9	102.9	114.8	131.0	138.8	151.1	169.2	206.1	243.9
New obligated authority	50.5	75.4	78.8	78.6	82.9	87.6	97.9	110.7	118.1	127.6	145.9	181.5	217.0
Military	49.2	74.2	75.1	77.6	81.1	85.8	95.7	108.4	115.3	125.0	142.6	178.4	214.1
Civil	1.3	1.2	1.6	2.0	1.8	1.8	2.2	2.3	2.8	2.6	3.3	3.1	2.9
Unobligated balance	13.6	15.1	12.1	13.1	13.0	15.3	16.9	20.3	21.7	23.5	23.3	24.6	26.9
Military	13.5	14.9	11.9	12.7	12.8	15.1	16.7	20.0	21.3	23.0	23.0	24.2	26.4
Civil	1	.3	.2	.4	.4	.2	.2	.3	.4	.5	.3	.4	.4
Outlays (DOD) ¹	47.1	78.3	75.6	74.9	79.3	87.0	90.0	97.9	105.6	117.9	136.0	155.2	166.8
Percent of funds available	73.4	86.5	86.2	89.7	82.7	84.5	78.3	74.7	75.5	78.0	80.4	77.2	75.2
Military	45.9	77.1	75.1	73.2	77.6	84.9	87.9	95.5	103.0	115.0	132.8	150.1	162.8
Civil ²	1.2	1.2	1.5	1.7	1.7	2.1	2.1	2.3	2.6	2.9	3.2	3.1	3.0

¹Includes nondefense civil outlays by other departments.

Source of tables 573 and 574: U.S. Office of Management and Budget, *The Budget of the United States Government*, annual.

NO. 575. DEPARTMENT OF DEFENSE OUTLAYS, BY BRANCH OF SERVICE: 1965 TO 1981

[For years ending June 30 except, beginning 1977, ending Sept. 30. Excludes civil functions. Includes military assistance to foreign countries and other negative entries; therefore, outlays may be lower than those from Office of Management and Budget. See also *Historical Statistics, Colonial Times to 1970*, series Y 458-460]

YEAR	OUTLAYS (mil. dol.)					PERCENT DISTRIBUTION			
	Total	Army	Navy	Air Force	Other	Army	Navy	Air Force	Other
1965	47,096	11,552	13,339	18,146	4,061	24.5	28.3	38.5	8.8
1970	78,349	21,117	22,886	25,233	5,313	26.9	29.1	32.2	8.8
1973	74,473	21,140	22,885	24,538	5,811	28.4	30.8	32.9	7.8
1974	77,851	22,371	24,616	25,736	4,927	28.6	31.7	33.1	6.4
1975	84,988	23,678	28,299	26,709	5,302	27.9	33.3	31.4	7.4
1976	87,950	25,025	30,454	28,246	4,272	28.4	34.6	32.1	4.9
1977	94,810	24,231	31,287	28,358	10,935	25.6	33.0	29.9	11.5
1978	102,982	28,290	33,573	29,344	13,515	25.6	32.7	28.6	13.2
1979	113,464	29,088	37,951	32,508	13,939	25.6	33.4	28.6	12.3
1980	134,210	33,034	42,886	39,639	18,651	24.6	32.0	29.5	13.9
1981	155,702	37,834	50,622	46,842	21,304	24.2	32.3	29.9	13.6

Source: U.S. Dept. of the Treasury, Office of the Secretary, *Treasury Combined Statement of Receipts, Expenditures, and Balances of the United States Government*, annual.

NO. 576. DEPARTMENT OF DEFENSE PROPERTY: 1960 TO 1981

[In billions of dollars. As of June 30 except, beginning 1977, as of Sept. 30. Excludes Civil Works Division, Chief of Engineers, Dept. of the Army]

DEPARTMENT AND TYPE OF PROPERTY	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Department of Defense ¹	154.6	176.2	214.6	237.3	249.5	265.5	276.1	290.0	306.7	372.1
U.S. and possessions ¹	123.5	136.1	160.2	197.1	201.1	211.2	216.6	232.3	244.9	(NA)
Foreign countries and afloat ²	31.2	40.1	54.4	40.2	48.4	54.4	59.5	65.7	64.8	(NA)
Real property inventory	32.0	37.6	40.3	43.0	44.3	46.0	47.2	48.5	50.9	52.9
Construction in progress	2.4	1.4	1.8	4.2	3.9	4.1	4.4	5.9	6.1	7.2
Personal property inventory ¹	120.2	137.2	172.5	190.1	201.3	215.5	226.5	243.6	262.7	312.6
Army	36.3	36.4	50.4	51.6	58.1	61.0	64.6	73.3	84.7	95.7
Personal property inventory	26.3	25.4	37.7	37.6	43.5	45.1	47.7	55.5	65.3	75.9
Navy (including Marine Corps)	57.4	69.7	85.4	100.9	89.1	106.1	113.1	120.3	137.8	149.1
Personal property inventory	47.5	59.0	72.9	85.2	83.5	92.3	97.2	103.1	120.5	130.3
Air Force	56.8	67.3	74.9	77.4	83.5	86.7	92.3	96.2	106.4	114.4
Personal property inventory	44.4	50.1	58.1	59.8	65.5	70.3	73.5	76.9	86.0	93.4

NA Not available. ¹Includes Defense agencies not shown separately. ²Includes Reserve Naval Fleet. ³Includes active fleet, supplies afloat, and organic property of Fleet Marine Force.

Source: U.S. Dept. of Defense, *Real and Personal Property of the Department of Defense*, annual.

NO. 577. DEFENSE-ORIENTED INDUSTRIES—SUMMARY: 1965 TO 1980

[For the most part, industries included are those shipping finished goods or components produced to military specifications; for details, see source. SIC represents Standard Industrial Classification system; see text, p. 372]

SIC code	YEAR AND INDUSTRY	Em- ployees (1,000)	VALUE ADDED BY MANUFACTURE		VALUE OF SHIPMENTS (mil. dol.)		
			Total (mil. dol.)	Per- cent	Total	Govern- ment ¹	Nongov- ernment
(X)	1965	4,509	81,857	100.0	120,395	32,853	87,542
(X)	1970	4,894	82,739	100.0	161,773	38,836	122,937
(X)	1972	4,752	85,626	100.0	187,617	36,775	150,842
(X)	1973	4,910	110,338	100.0	218,431	36,383	182,048
(X)	1974	5,211	131,380	100.0	275,816	36,719	239,097
(X)	1975	4,762	130,397	100.0	266,978	39,969	249,007
(X)	1976	4,810	148,081	100.0	327,883	44,274	283,609
(X)	1977	5,132	172,907	100.0	361,273	50,255	331,018
(X)	1978	5,591	197,023	100.0	431,212	51,720	379,492
(X)	1979	5,876	243,277	100.0	533,074	56,702	476,372
(X)	1980, total ²	6,073	270,947	100.0	613,834	64,891	548,943
28	Chemicals and allied products	124	6,495	3.1	20,359	3,087	17,272
29	Petroleum and coal products	117	23,943	6.6	176,057	2,693	175,164
30	Rubber and misc. plastic products	151	4,528	1.7	8,416	299	8,117
3293	Gaskets, packing and sealing devices	35	837	.3	1,866	33	1,553
33	Primary metal industries	342	14,275	5.3	40,593	1,446	39,147
34	Fabricated metal products	703	26,120	9.7	49,914	4,717	45,197
35	Machinery, except electrical	1,363	62,052	23.0	104,822	4,517	100,305
36	Electrical equipment and supplies	1,628	58,411	22.0	98,186	15,845	80,321
37	Transportation equipment	942	43,189	16.0	71,989	26,671	43,298
38	Instruments and related products	800	25,069	9.3	39,070	2,524	36,546

X Not applicable. ¹Comprises products shipped to, or receipts for work done for, Federal agencies, their contractors, subcontractors, and suppliers. ²Includes "Miscellaneous Industries," not shown separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA 175.

NO. 578. DEFENSE-RELATED INDUSTRIES—VALUE OF SHIPMENTS, SELECTED MILITARY EQUIPMENT: 1972 TO 1981

[In millions of dollars]

ITEM	1972	1977	1978	1979	1980	1981
Aircraft, complete	3,652	4,580	2,719	4,430	6,120	7,580
Aircraft engines	437	1,048	816	1,113	1,285	1,626
Missile and space vehicle engines (complete, and engine parts)	741	984	1,126	1,294	1,216	1,497
Guided missiles and space vehicles, complete	4,531	5,731	6,400	7,507	8,280	9,840
Missile systems (complete, excluding propulsion)	3,176	3,991	4,512	5,638	6,150	7,570
Space vehicle systems (complete, excluding propulsion)	1,355	1,740	1,888	1,869	2,130	2,270
Ships, new self-propelled	1,100	2,212	912	2,512	2,836	3,178
Ship repair	367	718	912	969	1,095	1,226

Source: U.S. Bureau of Industrial Economics, *1982 U.S. Industrial Outlook*.

NO. 579. DEFENSE PURCHASES, NATIONAL INCOME AND PRODUCT ACCOUNT BASIS (NIPA):
1977 TO 1981

[In billions of dollars, except percent. National defense purchases on a NIPA basis will differ from other published measures of DOD spending, such as budget authority or outlays, because of coverage and timing differences. Coverage differences consist of DOD outlays that do not appear as NIPA purchases; primarily military retired pay. Timing differences occur because purchases are largely recorded on a delivery basis, while outlays are recorded on a cash basis. See source for further detail. See text, page 452, and table 747. See also Appendix A of source.]

PURCHASES	CURRENT DOLLARS					CONSTANT (1972) DOLLARS				
	1977	1978	1979	1980	1981	1977	1978	1979	1980	1981
Total purchases	92.8	100.3	111.8	131.4	153.7	85.4	85.7	87.4	70.1	73.5
Percent of GNP ¹	4.6	4.8	4.8	5.0	5.2	4.6	4.6	4.6	4.6	4.9
Durable goods	22.9	24.1	26.0	33.6	40.1	16.5	16.2	17.7	18.3	19.7
Military equipment ²	17.2	18.8	22.9	26.7	31.0	12.7	12.6	13.8	14.4	15.1
Aircraft	8.9	7.2	9.1	11.0	12.7	5.3	4.8	5.5	5.8	6.1
Ships	3.3	3.5	3.7	4.3	4.9	2.0	2.0	2.0	2.0	2.2
Missiles	2.2	2.6	3.2	3.7	4.6	1.9	2.0	2.0	2.1	2.2
Nondurable goods ³	5.0	5.5	6.6	10.7	12.6	2.2	2.2	2.2	2.4	2.6
Bulk petroleum	2.9	3.2	4.0	7.6	9.0	.9	.9	.8	.9	.9
Ammunition	.9	1.1	1.3	1.6	1.8	.5	.6	.7	.7	.8
Services ⁴	63.1	68.3	73.8	84.1	98.0	45.1	45.6	46.1	47.9	49.9
Compensation of employees	42.8	46.1	48.7	53.2	60.5	32.0	32.2	32.0	32.2	32.8
Military	24.8	26.3	27.6	30.5	35.6	19.2	19.0	18.7	18.9	19.3
Percent of services	39.4	38.5	37.5	36.3	36.4	42.6	41.7	40.8	39.6	38.6
Structures	2.4	2.5	2.5	3.0	3.0	1.6	1.6	1.4	1.5	1.4

¹GNP = Gross National Product. ²Includes items not shown separately.

Sources: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1976*, and *Survey of Current Business*, July 1982.

NO. 580. DEPARTMENT OF DEFENSE MILITARY PROCUREMENT: 1960 TO 1981

[In billions of dollars. Net values for years ending June 30 except, beginning 1977, ending Sept. 30. Includes all new prime contracts; debit or credit changes in contracts are also included. Actions cover official awards, amendments, or other changes in prime contracts to obtain military supplies, services, or construction. Excludes term contracts and contracts which do not obligate a firm total dollar amount or fixed quantity, but includes job orders, task orders, and delivery orders against such contracts.]

ITEM	1960	1965	1970	1975	1978	1977	1978	1979	1980	1981
Total military procurement ¹	23.7	28.0	36.0	45.8	48.9	55.6	65.2	69.3	81.7	103.2
Department of the Army ²	5.9	6.3	10.3	11.5	10.5	12.0	14.0	16.1	18.7	24.1
Department of the Navy	7.4	8.0	10.9	15.8	15.4	17.6	21.8	23.4	25.4	29.9
Department of the Air Force	10.4	9.7	10.7	12.9	15.1	18.0	19.9	20.5	24.7	29.1
With business firms for work in U.S. ³	21.3	25.3	31.2	37.1	37.6	45.6	52.6	57.0	64.9	85.3
Department of the Army ⁴	4.8	5.5	8.6	8.5	8.4	9.6	10.7	12.2	13.4	18.4
Department of the Navy	6.7	6.3	9.5	13.4	12.9	15.2	19.3	20.9	22.6	26.8
Department of the Air Force	9.6	8.8	9.6	10.4	11.4	14.2	15.4	16.2	18.7	23.4
Advised contract	3.0	4.7	3.9	3.4	3.2	3.9	3.8	4.0	4.3	5.5
Negotiated contract	18.3	20.6	27.3	33.7	34.4	41.7	48.8	53.0	60.6	79.7
With small business firms ⁴	3.4	4.9	5.3	7.4	7.5	8.9	10.1	11.5	12.8	18.9
Intragovernmental ⁵	.8	.6	1.6	5.0	6.2	6.2	7.5	7.2	10.1	9.8
Educational and nonprofit institutions	.4	.7	.7	.8	.9	.9	1.1	1.2	1.4	1.6
For work outside U.S.	1.2	1.4	2.4	2.4	2.3	2.8	4.0	3.9	5.4	6.6

¹Beginning 1965, includes agencies not shown separately. ²Beginning 1965, includes defense agencies except Defense Logistics Agency. ³Includes Defense Logistics Agency, contracts awarded for work in U.S. possessions, Commonwealth of Puerto Rico, Trust Territories of the Pacific, and other areas subject to complete sovereignty of U.S., contracts in a classified location; and any intragovernmental contracts entered into overseas. ⁴Covers firms not dominant in their fields of operation and employing fewer than 1,000, 750, or 500 persons, depending on industry classifications. For certain types of firms, other criteria are used, such as yearly gross sales. ⁵1960 includes interservice purchases; thereafter, covers only purchases from other Federal agencies and reimbursable purchases on behalf of foreign governments.

Source: U.S. Dept. of Defense, *Military Prime Contract Awards*, annual.

NO. 581. EMPLOYMENT—DEFENSE-RELATED AGENCIES COMPARED WITH TOTAL FEDERAL AND TOTAL UNITED STATES: 1960 TO 1981

[In thousands, except percent. Annual averages.]

EMPLOYMENT	1960	1965	1970	1975	1977	1978	1979	1980	1981
Total U.S. employment ¹	66,292	73,811	81,866	88,026	94,150	96,165	100,912	101,405	102,539
Federal	4,844	5,363	6,116	6,062	4,969	5,000	4,895	4,864	5,089
Armed Forces	2,514	2,723	3,186	2,180	2,133	2,117	2,088	2,102	2,142
Civilian personnel ²	2,430	2,539	2,929	2,882	2,835	2,883	2,807	2,862	2,947
Federal defense-related agencies, excluding Armed Forces ³	1,067	1,863	1,211	1,636	972	989	949	946	972
Percent of Federal civilian personnel	43.5	41.5	41.4	36.0	34.0	33.6	32.9	33.1	34.0
Federal defense-related agencies ¹	3,571	3,778	4,399	3,216	3,105	3,086	3,097	3,850	3,114
Percent of total Federal	72.2	71.8	71.9	63.5	62.2	61.7	60.9	81.4	62.2
Percent of total U.S. ¹	6.2	5.1	5.4	3.7	3.3	3.2	3.0	3.0	3.0

¹Includes Armed Forces. ²Includes all direct employment by U.S. Government abroad regardless of citizenship. ³Source: Beginning 1977, U.S. Dept. of Defense, *Civilian Manpower Statistics*, Sept. 1981.

Source: Except as noted, U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and U.S. Office of Personnel Management, *Monthly Release of Federal Civilian Work Force Statistics*.

No. 582. DOD CONTRACT AWARDS, PAYROLL, CIVILIAN AND MILITARY PERSONNEL—STATES: 1979 TO 1981

[For years ending Sept. 30. Contracts refer to awards made in year specified; expenditures relating to awards may extend over several years. Payroll estimates cover active duty military and direct hire civilian personnel, including Army Corps of Engineers. Civilian employees represent direct hire civilian employees; excluded are those who are not subject to Office of Management and Budget ceiling controls, such as Summer Aides. Military personnel in each department include a number of personnel in a transient status. These personnel are in a travel, proceed, leave enroute, or temporary duty status while on permanent change of station (PCS) orders. The Navy and Air Force report these personnel at their location prior to their arrival at their new permanent duty location. The Army includes these personnel in one category entitled "Undistributed," whom also includes personnel for which an exact location is undetermined]

STATE	CONTRACT AWARDS ¹ (mil. dol.)			PAYROLL (mil. dol.)			CIVILIAN EMPLOYEES			MILITARY PERSONNEL		
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
Total	65,461	70,430	64,663	31,845	28,003	43,838	876,258	871,841	880,866	1,266,296	1,369,942	1,366,998
Ala.	499	628	790	713	829	964	24,304	24,425	24,419	22,652	29,667	24,038
Alaska	215	251	323	339	414	447	4,448	4,405	4,329	20,830	20,267	20,582
Ariz.	693	727	1,123	467	528	604	9,504	9,739	9,661	24,771	22,630	22,613
Ark.	72	122	154	194	228	259	4,365	4,708	4,601	9,228	9,370	9,076
Calif.	11,675	13,653	16,530	4,802	5,840	6,897	125,372	123,119	127,962	181,200	194,715	195,989
Colo.	412	510	835	698	727	885	13,214	13,183	13,275	36,566	36,273	43,534
Conn.	3,777	3,667	4,692	116	249	278	4,450	4,342	4,407	5,270	5,312	5,509
Del.	86	240	235	84	110	122	1,762	1,800	1,762	5,171	5,120	4,772
D.C.	589	580	685	583	770	731	75,808	77,244	80,244	55,916	57,764	60,185
Fla.	1,781	1,984	3,094	1,372	1,742	2,061	27,599	28,320	29,065	68,736	67,028	70,578
Ga.	686	864	1,245	1,353	1,430	1,834	34,153	33,389	34,509	62,211	74,890	62,839
Hawaii	307	316	591	683	1,150	1,302	18,841	18,870	19,501	43,649	43,723	44,201
Idaho	22	19	29	59	99	122	1,180	1,145	1,135	5,711	5,650	5,783
Ill.	752	945	1,155	789	908	1,079	20,212	20,806	20,604	38,763	40,851	41,727
Ind.	1,107	1,290	1,713	316	332	383	12,670	13,073	12,988	5,595	5,963	5,963
Iowa	258	283	312	32	34	36	1,472	1,413	1,423	374	417	423
Kans.	590	776	1,008	409	434	523	6,043	5,984	5,940	25,236	25,840	26,127
Ky.	168	245	372	707	704	754	12,581	12,072	12,208	38,277	40,067	38,790
La.	274	480	2,828	427	482	537	6,390	6,123	6,252	22,825	23,768	24,584
Maine	407	457	475	95	142	164	2,025	2,062	2,069	5,066	4,967	4,952
Md.	1,509	1,784	2,373	1,230	1,403	1,453	21,342	21,282	21,364	23,650	23,914	22,979
Mass.	2,983	3,729	4,595	351	382	442	11,907	11,506	11,614	9,800	9,451	9,770
Mich.	1,494	1,698	1,735	330	374	428	11,796	11,776	11,770	8,643	8,940	8,648
Minn.	896	1,048	1,169	81	86	95	3,004	2,784	2,809	1,995	1,910	1,699
Miss.	703	838	1,188	396	483	561	10,730	10,663	10,499	17,707	18,720	19,264
Mo.	3,264	3,191	4,349	536	667	845	19,325	18,953	19,133	17,559	18,430	17,972
Mont.	48	32	42	83	91	107	1,297	1,240	1,142	4,679	4,609	4,430
Nebr.	86	100	106	233	290	359	3,578	3,599	3,650	11,807	12,127	12,404
Nev.	67	50	79	157	182	229	2,485	2,367	1,849	9,205	9,204	10,322
N.H.	236	305	392	211	246	283	9,080	9,201	9,406	3,922	3,863	3,954
N.J.	1,300	1,517	2,303	668	789	919	26,540	25,861	27,631	19,971	20,657	18,379
N. Mex.	259	265	383	368	424	505	9,426	9,261	9,637	15,545	15,476	15,648
N.Y.	4,912	5,648	6,461	598	630	658	16,697	16,733	16,457	16,338	17,447	21,296
N.C.	599	651	825	1,256	1,297	1,650	13,408	13,338	14,087	87,572	84,875	95,377
N. Dak.	63	69	104	186	187	231	1,745	1,667	1,640	10,737	10,644	10,706
Ohio	1,275	1,617	2,436	760	889	1,016	32,584	32,223	31,536	10,803	10,707	10,707
Ola.	317	420	621	782	822	922	23,314	24,387	23,837	26,803	28,023	28,964
Oreg.	147	131	114	71	84	82	3,182	3,114	2,929	1,128	1,009	897
Pa.	1,878	2,168	2,374	999	1,099	1,221	50,643	49,531	52,174	7,071	7,427	7,793
R.I.	192	281	285	186	180	193	3,879	3,948	4,016	3,125	3,544	3,682
S.C.	291	297	434	853	1,110	1,291	18,519	18,577	18,917	49,034	51,912	45,789
S. Dak.	21	17	54	101	122	136	1,322	1,262	1,231	6,063	6,040	6,072
Tenn.	474	520	502	257	289	313	7,657	7,572	7,908	8,897	12,096	12,029
Tex.	4,236	5,345	7,415	2,734	2,888	3,377	57,820	57,805	59,233	136,886	138,486	142,083
Utah	228	251	404	453	495	563	21,227	21,039	21,574	5,613	5,675	6,013
Vt.	100	124	167	11	11	13	540	418	485	98	91	81
Va.	2,748	3,344	3,591	2,668	3,967	4,706	51,547	51,473	52,434	51,998	54,045	54,377
Wash.	1,540	2,110	2,588	889	1,121	1,312	24,818	25,036	26,012	36,943	38,705	38,365
W. Va.	62	86	89	33	38	41	1,564	1,605	1,547	413	478	461
Wyo.	373	366	598	64	78	73	2,968	3,362	2,970	635	928	951
Wyo.	52	33	64	62	73	85	863	874	889	3,968	3,711	3,690
Undist. ²	8,828	10,137	10,773	-	-	-	-	-	-	-	22,702	19,425

- Represents zero. ¹Military awards for supplies, services, and construction. Net value of contracts of over \$10,000 for work in each State and D.C. (see also "Undistributed"). Figures reflect impact of prime contracting on State distribution of defense work. Often the State in which a prime contractor is located is not the State in which the subcontracted work is done. See also headnote, table 580. ²Includes contracts of \$10,000 or less, all contracts awarded for work in U.S. possessions, Puerto Rico, Trust Territories of the Pacific and other areas subject to complete sovereignty of U.S., contracts in a classified location, and any intragovernmental contracts entered into overseas.

Source: U.S. Dept. of Defense, *Prime Contract Awards by State, annual, and Distribution of Personnel by State—by Selected Locations, annual.*

NO. 583. WORLDWIDE MILITARY EXPENDITURES: 1970 TO 1979

[For military expenditures and armed forces by country, see section 33. GNP=Gross national product]

COUNTRY GROUP	MILITARY EXPENDITURES (bil. dol.)										PER CAPITA (dol.)		
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1970	1978	1979
IN CURRENT DOLLARS													
Worldwide, total ¹	257.0	288.9	299.6	312.2	352.8	397.9	427.7	458.6	500.4	567.5	71	97	129
United States.....	77.9	74.9	77.6	78.4	85.9	90.9	91.0	100.9	108.4	122.3	380	425	553
Percent of total.....	30	26	27	25	24	23	21	22	22	22	(x)	(x)	(x)
Developed countries ²	213.1	221.2	236.2	251.9	283.9	312.4	332.1	380.2	390.5	438.3	214	300	410
Developing countries ²	43.9	46.6	53.5	60.2	69.1	85.5	95.8	99.5	109.9	129.2	17	28	39
NATO countries ³	118.2	117.0	123.7	128.1	142.2	153.6	158.4	174.1	188.8	212.5	218	277	373
Warsaw Pact countries.....	90.6	97.4	105.0	115.9	132.4	149.3	163.3	174.9	189.0	210.7	262	415	567
Soviet Union.....	77.2	82.7	88.9	98.2	112.6	126.9	139.4	149.4	161.6	181.4	318	500	690
IN CONSTANT (1978) DOLLARS													
Worldwide, total ¹	425.4	424.9	436.0	446.6	461.1	474.7	485.5	492.0	500.4	521.4	117	116	118
United States.....	126.8	117.9	117.4	112.1	112.3	108.5	103.3	108.0	108.4	112.3	628	507	508
Percent of total.....	30	28	27	25	24	23	21	22	22	22	(x)	(x)	(x)
Developed countries ²	352.8	348.4	357.1	380.4	370.7	372.7	377.0	385.5	390.5	402.7	353	358	376
Developing countries ²	72.6	76.6	80.9	66.2	90.4	102.0	108.5	106.5	109.9	118.7	27	33	35
NATO countries ³	192.4	184.2	187.1	183.3	165.8	183.3	179.8	186.3	188.8	195.2	361	330	342
Warsaw Pact countries.....	150.0	153.4	158.9	165.8	173.1	178.1	185.4	187.2	189.0	193.6	433	494	520
Soviet Union.....	127.8	130.2	134.4	140.5	147.2	151.4	158.2	159.9	161.6	166.7	525	586	633
As percent of GNP: ⁴													
Worldwide, total.....	6.2	5.9	5.8	5.5	5.6	5.7	5.5	5.4	5.3	5.3	(x)	(x)	(x)
United States.....	7.9	7.0	6.6	6.0	6.1	5.9	5.3	5.3	5.1	5.2	(x)	(x)	(x)
Developed countries ²	6.3	6.0	5.8	5.5	5.6	5.6	5.4	5.4	5.3	5.3	(x)	(x)	(x)
Developing countries ²	5.8	5.8	5.7	5.6	5.5	5.9	5.9	5.6	5.4	5.5	(x)	(x)	(x)
NATO countries ³	5.6	5.2	5.0	4.6	4.7	4.7	4.3	4.3	4.2	4.2	(x)	(x)	(x)
Warsaw Pact countries.....	12.0	11.7	11.7	11.5	11.4	11.4	11.6	11.3	11.3	11.5	(x)	(x)	(x)
Soviet Union.....	14.7	14.3	14.4	14.0	14.0	14.1	14.3	14.0	14.1	14.4	(x)	(x)	(x)

X Not applicable. ¹Includes countries not shown separately. ²Twenty-eight developed countries: All those in North America, in Oceania, in NATO (except Greece and Turkey), in the Warsaw Pact (except Bulgaria), and also Austria, Finland, Ireland, Japan, South Africa, Sweden, and Switzerland; 114 developing countries: All those in Latin America, in the Near East, in South Asia, in East Asia (except Japan), in Africa (except South Africa), and also Albania, Bulgaria, Greece, Malta, Spain, Turkey, and Yugoslavia.

³North Atlantic Treaty Organization. ⁴In constant dollars.

NO. 584. VALUE OF ARMS EXPORTS AND IMPORTS, SUPPLIER AND RECIPIENT COUNTRIES, IN CONSTANT (1978) DOLLARS: 1970 TO 1979

[In millions of constant (1978) dollars]

COUNTRY	1970-1975	1976	1977	1978	1979	COUNTRY	1970-1975	1976	1977	1978	1979
World, total ¹.....	84,908	18,831	20,772	21,525	21,798	RECIPIENT COUNTRIES—Con.					
SUPPLIERS						Developing ¹.....	61,323	13,958	16,450	17,495	17,695
Canada.....	1,350	136	74	130	137	Algeria.....	316	363	503	625	385
China: Mainland.....	2,735	158	117	170	101	Brazil.....	569	158	107	210	183
Czechoslovakia.....	2,032	522	669	800	781	Cuba.....	446	147	107	310	236
France.....	4,628	1,248	1,391	1,700	1,286	Egypt.....	4,389	170	289	380	339
Germany, Fed. Rep. of.....	1,947	794	963	950	849	Greece.....	1,352	595	503	310	349
Poland.....	1,505	374	310	370	238	India.....	1,580	556	776	280	459
Soviet Union.....	27,098	6,015	6,958	7,300	9,555	Indonesia.....	181	90	64	90	165
United Kingdom.....	3,312	766	936	1,200	918	Iran.....	5,049	2,270	2,676	1,900	1,010
United States.....	35,279	8,583	7,172	6,200	5,145	Iraq.....	2,870	1,135	1,605	1,600	1,929
RECIPIENT COUNTRIES						Israel.....	3,676	1,106	1,177	925	482
Developed ¹.....	23,513	4,902	4,968	4,080	4,179	Jordan.....	436	158	128	170	91
Australia.....	740	90	149	250	165	Kampuchea.....	1,293	-	10	50	9
Canada.....	720	238	181	240	248	Korea, Dem. Peo. Rep.....	1,259	90	126	70	156
Czechoslovakia.....	1,833	340	267	110	275	Korea, Rep. of.....	1,896	385	321	525	482
German Dem. Rep.....	2,810	624	535	290	192	Laos.....	905	22	42	20	9
Germany, Fed. Rep. of.....	4,278	567	438	340	330	Libya.....	1,841	1,135	1,284	1,900	2,113
Hungary.....	967	238	182	260	202	Nigeria.....	206	56	10	50	91
Italy.....	847	158	149	150	101	Pakistan.....	777	215	245	170	174
Japan.....	638	204	128	170	211	Peru.....	592	295	449	160	110
Poland.....	2,253	442	396	160	165	Saudi Arabia.....	1,087	499	990	1,100	758
Romania.....	845	158	171	250	137	Spain.....	870	249	321	160	183
Soviet Union.....	1,953	567	642	600	574	Syria.....	4,085	709	605	900	1,837
United Kingdom.....	710	272	149	160	257	Turkey.....	1,577	363	149	220	192
United States.....	1,357	124	128	120	266	Vietnam, Socialist Rep.....	3,310	45	21	90	1,010
						Vietnam, South.....	11,162	(?)	(?)	(?)	(?)

- Represents zero. ¹Includes countries not shown separately. ²Absorbed by Vietnam Socialist Republic in 1976.

Source of tables 583 and 584: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

NO. 505. U.S. MILITARY SALES DELIVERIES AND MILITARY ASSISTANCE DELIVERIES TO FOREIGN GOVERNMENTS, BY COUNTRY: 1960 TO 1981

(In millions of dollars. For years ending June 30 except, beginning 1977, ending Sept. 30. Represents Department of Defense military sales deliveries. Includes deliveries made under Military Assistance Program (MAP) and Military Assistance Service Funded Program (MASF); excludes training. For explanation of MAP and MASF programs, see headnote, table 506)

COUNTRY	MILITARY SALES DELIVERIES						MILITARY ASSISTANCE DELIVERIES					
	1960-1969	1970-1976 ¹	1976	1976	1980	1981	1960-1969	1970-1976 ¹	1976	1976	1980	1981
Total	8,846.9	38,345.8	8,150.9	8,517.4	5,970.7	7,305.3	14,887.2	17,419.8	220.3	188.4	480.7	345.3
Argentina	57.7	94.4	10.7	8.9	15.1	6.6	31.0	3.0	-	-	-	-
Australia	487.5	798.9	150.4	133.0	151.1	510.1	-	-	-	-	-	-
Austria	42.1	56.1	1.6	4.3	6.6	61.9	39.1	(2)	-	-	-	-
Belgium	76.4	230.5	27.6	148.5	288.2	275.7	99.2	-	-	-	-	-
Bolivia	.5	1.0	1	(2)	.2	-	12.3	16.8	3.8	.3	2.3	-
Brazil	61.9	182.7	7.8	7.6	7.9	5.8	120.8	5.3	-	-	-	-
Canada	308.3	582.1	71.3	68.6	68.2	82.5	-	-	-	-	-	-
Chile	18.5	148.6	11.0	7.8	4.8	(2)	48.4	4.0	-	-	-	-
China (Taiwan)	29.1	986.1	134.9	182.1	212.2	380.9	856.1	165.1	5.8	.5	.5	.8
Colombia	2.6	18.2	1.9	5.0	3.7	9.2	58.9	6.3	-	(2)	(2)	(2)
Denmark	52.0	132.8	12.0	16.9	207.5	201.8	174.4	-	-	-	-	-
Dominican Rep.	.8	.8	1	(2)	1	-	9.3	6.4	(2)	(2)	.2	(2)
Ecuador	2.7	30.9	7.8	8.1	10.8	6.4	17.9	2.7	-	-	-	-
Egypt	.2	253.4	50.8	192.0	202.8	203.3	-	-	-	-	-	-
Ethiopia	.2	86.4	-	-	-	-	86.6	70.2	-	-	-	-
France	258.8	80.2	4.4	2.8	11.0	12.9	118.1	-	-	-	-	-
Germany, Fed. Rep.	2,471.1	3,143.0	210.5	239.4	366.6	432.6	104.4	-	-	-	-	-
Greece	22.7	1,171.1	124.9	127.3	150.0	167.4	619.9	149.9	1.2	11.8	39.2	25.7
Guatemala	2.0	25.1	2.4	3.4	2.2	.5	9.6	6.1	(2)	(2)	.1	(2)
Honduras	.2	8.0	.5	.9	.6	1.8	3.3	1.7	.2	1	(2)	-
India	19.3	12.8	1.2	1.3	6.3	.5	66.7	3.6	.2	1	(2)	(2)
Indonesia	.7	57.5	6.1	8.2	88.4	65.5	47.6	94.5	9.8	7.0	22.6	7.4
Iran ²	237.8	10,298.7	1,880.8	2,030.4	-	-	437.4	28.2	-	-	-	-
Israel	156.9	5,487.3	889.3	356.6	581.2	1,065.6	-	-	-	-	-	-
Italy	322.8	380.1	29.0	30.1	35.7	27.0	488.2	-	-	-	-	-
Japan	179.6	277.0	37.2	29.7	85.5	325.4	313.0	-	-	-	-	-
Jordan	74.7	484.1	105.8	79.8	174.9	114.8	39.5	282.5	62.9	42.0	48.9	66.8
Kampuchea	-	-	-	-	-	-	28.2	1,093.1	-	-	-	-
Korea ³	2.2	1,234.2	413.6	385.1	285.2	297.1	1,997.1	2,077.8	19.0	17.6	161.0	108.2
Kuwait	-	441.3	186.7	71.2	84.9	66.4	-	-	-	-	-	-
Laos ¹	-	-	-	-	-	-	413.1	1,002.7	-	-	-	-
Lebanon	1.7	27.9	8.7	7.9	18.0	12.6	1.4	5.2	-	-	-	-
Liberia	.4	2.9	(2)	.5	.4	1	4.4	.8	(2)	(2)	(2)	.5
Libya	16.0	12.3	(2)	-	-	(2)	11.2	1	-	-	-	-
Malaysia	3.9	58.4	3.4	3.3	4.6	29.4	-	-	-	-	-	-
Mexico	8.2	8.2	.5	.4	2.3	1.3	(2)	-	-	-	-	-
Morocco	8.8	299.1	87.5	133.5	61.7	135.8	28.3	1.3	-	-	-	-
Netherlands	74.3	288.1	48.8	85.4	350.9	338.0	163.1	-	-	-	-	-
New Zealand	52.8	73.0	4.2	5.6	7.4	8.4	-	-	-	-	-	-
Nicaragua	.6	3.0	.8	(2)	(2)	(2)	3.2	3.6	.3	1	1	-
Nigeria	.4	23.0	5.9	5.9	6.2	9.5	-	-	-	-	-	-
Norway	101.8	232.4	26.2	22.7	228.3	208.5	268.8	5.6	-	-	-	-
Pakistan	40.3	214.7	44.8	58.9	52.6	78.7	301.1	-	-	-	-	-
Panama	(2)	4.7	.2	.2	.2	.2	1.6	2.7	.2	1	(2)	(2)
Paraguay	1	.3	(2)	(2)	(2)	(2)	4.3	4.8	.3	1	.2	(2)
Peru	16.4	105.3	13.5	13.6	14.2	8.9	50.3	1.6	-	-	-	-
Philippines ¹	3.5	120.6	34.5	25.5	14.6	16.6	200.4	121.4	12.0	6.6	33.3	15.9
Portugal	6.9	7.9	1.2	.7	1.3	4.4	44.2	36.0	20.7	8.7	17.0	18.5
Saudi Arabia	56.6	4,131.3	1,129.2	940.5	1,200.8	1,444.9	13.4	-	-	-	-	-
Singapore	.8	130.7	9.3	81.6	17.9	52.9	-	-	-	-	-	-
South Vietnam ²	(2)	1.2	-	-	-	-	3,634.1	10,784.2	-	-	-	-
Spain	60.0	602.7	57.6	78.3	56.4	132.6	249.8	76.0	1.5	2.1	11.8	15.7
Sweden	29.7	34.9	4.5	1.5	5.8	12.5	-	-	-	-	-	-
Switzerland	50.5	457.5	48.3	273.5	18.8	106.3	-	-	-	-	-	-
Thailand ¹	.5	288.1	63.0	85.9	201.6	284.3	438.6	443.3	12.0	6.6	33.0	3.5
Tunisia	1.8	48.0	1.5	42.0	9.7	24.7	20.6	19.5	.2	.2	1	(2)
Turkey	1.5	546.6	158.7	128.3	136.7	108.5	1,110.1	507.0	6.4	16.7	34.9	14.1
United Kingdom	948.4	1,224.9	100.8	234.7	276.0	340.0	165.9	-	-	-	-	-
Uruguay	1.5	14.9	1.2	.9	.7	.7	17.3	5.1	.2	.2	.2	.1
Venezuela	71.9	126.1	4.2	4.8	6.7	14.0	(2)	-	-	-	-	-
Yemen	-	121.4	27.3	70.0	73.1	49.9	-	-	-	-	-	-
Yugoslavia	8.9	2.7	.2	.4	.6	.4	-	-	-	-	-	-
Zaire	1.4	47.1	10.9	6.8	9.8	7.3	20.0	3.3	-	-	-	-
Other countries	19.4	112.5	84.2	19.5	38.9	78.2	75.1	8.7	.3	1	.2	9.9
Int'l organiz'n	166.5	300.6	99.2	39.4	63.2	125.5	940.2	(2)	-	-	-	-
Gen. & regional costs	-	-	-	-	-	-	653.7	366.6	63.3	48.0	60.8	60.2

- Represents zero. ² Less than \$50,000. ³ Includes transactions for the transition quarter, July-Sept. 1976.

¹ Change between 1976 and 1979 reflects values adjusted for cancellation and program reductions agreed to by the governments of the United States and Iran. ² Includes MAP and MASF programs for military assistance deliveries.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales, and Military Assistance Facts*, September 1981

No. 586. U.S. MILITARY SALES AND ASSISTANCE TO FOREIGN GOVERNMENTS: 1950 TO 1981

[In millions of dollars, except as indicated. For years ending June 30 except, beginning 1977, ending Sept. 30. Department of Defense (DOD) sales deliveries cover deliveries against DOD sales orders authorized under Arms Export Control Act, as well as earlier and applicable legislation. Military Assistance Program (MAP) authorized by Foreign Assistance Act of 1981, as amended provides defense articles and services to eligible countries on a grant basis. MAP grant aid deliveries represent military equipment and supplies delivered and expenditures for services. Military Assistance Service Funded program (MASF) aid, for 1966-1976, was used for providing military equipment and related services and training to countries engaged in hostilities in Southeast Asia. International Military Education and Training (IMET) program data, pursuant to new legislation under Foreign Assistance Act, as amended, show grant aid training of foreign military personnel as an independent program as of fiscal year 1976; training data, formerly provided under MAP, have been removed from MAP and included as an integral part of IMET]

ITEM	1950-1969	1970-1976 ¹	1973	1974	1975	1979 ¹	1977	1978	1979	1980	1981
Military sales agreements ²	11,253	65,873	3,793	8,845	11,508	8,815	7,379	9,321	10,862	13,972	7,173
Weapons and ammunition ²	4,678	27,702	1,570	5,123	5,735	3,477	2,628	3,715	3,028	6,954	2,443
Combat aircraft.....	1,509	13,139	915	2,258	3,857	1,189	461	1,974	918	1,161	736
Missiles.....	820	5,391	403	429	794	1,020	753	910	894	3,783	830
Ammunition.....	765	3,372	182	535	643	402	471	420	364	420	365
Combat vehicles.....	1,014	3,302	33	903	355	437	390	195	732	817	378
Support equipment ³	2,173	7,494	680	908	965	957	541	797	1,984	1,238	1,108
Spare parts and modifications.....	2,889	14,831	976	1,590	2,795	1,808	1,637	2,031	2,515	1,729	2,439
Support services.....	1,961	29,912	1,599	1,647	6,643	8,354	2,942	2,965	4,726	4,764	2,905
Military construction sales agree- ments.....	538	14,207	1,039	582	4,714	5,483	371	668	1,301	1,096	1,353
Military sales deliveries ⁴	7,859	40,659	1,512	3,183	3,505	5,797	7,069	7,391	8,036	7,430	9,476
Military assistance programs ⁵	37,350	16,587	4,229	1,546	1,051	261	235	217	228	280	268
Military assistance program deliveries ⁵	35,708	17,604	4,841	1,855	1,817	364	109	220	168	451	345
Military sales financing.....	1,757	18,097	531	2,889	849	2,785	1,911	2,101	5,673	1,950	3,046
IMET program.....	1,422	277	47	48	33	26	24	28	27	25	29
Students trained (1,000).....	318	179	37	13	9	7	5	4	4	4	5

¹Includes transition quarter, July-Sept. 1976. ²Includes items not shown separately. ³Includes aircraft, ships, support vehicles, communications equipment, and other supplies. ⁴Includes military construction sales deliveries. ⁵Includes military Assistance Service Funded program data.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales, and Military Assistance Facts, September 1981*, and unpublished data.

No. 587. ESTIMATES OF TOTAL DOLLAR COSTS OF AMERICAN WARS, BY RANK

[In millions of dollars, except percent. Service-connected veterans' benefits estimated at 40 percent of total veterans' benefits except as noted]

WAR	ORIGINAL INCREMENTAL DIRECT COSTS ¹		SERVICE-CONNECTED VETERANS' BENEFITS		Interest payments on war loans, total cost to 1981 ³	Estimated current cost to 1981 ⁴
	Current dollars	Constant dollars (1960)	Total cost under present programs	Cost to Oct. 1, 1960 ²		
World War II.....	360,000	195,000	(⁵)	61,187	200,000	621,200
Vietnam conflict.....	140,600	32,600	(⁵)	11,103	(⁵)	151,700
Korean conflict.....	50,000	17,600	(⁵)	9,951	-	60,000
World War I.....	32,700	17,600	(⁵)	13,615	11,000	57,300
Civil War: Union.....	2,300	2,300	3,300	3,289	1,200	6,800
Civil War: Confederacy.....	1,000	1,000	-	-	(⁵)	(⁵)
Spanish-American War.....	270	340	2,500	2,104	60	2,400
American Revolution.....	100-140	140-200	28	28	20	170
War of 1812.....	87	50	20	20	14	120
Mexican War.....	62	90	26	26	10	120

- Represents zero. ¹Figures are rounded and taken from Claudia D. Goldin, *Encyclopedia of American Economic History*, p. 938. ²For World War I and later wars, benefits are actual service-connected figures from 1980 *Annual Report of Veterans Administration*. For earlier wars, service-connected veterans' benefits are estimated at 40 percent of total, the approximate ratio of service-connected to total benefits since World War I. ³Interest payments are a very rough approximation based on the percentage of the original costs of each war financed by money creation and debt, the difference between the level of public debt at the beginning of the war and at its end, and the approximate time required to pay off the war debts. ⁴Figures are rounded. ⁵Unknown.

Source: Originally presented in U.S. Congress, Joint Economic Committee, *The Military Budget and National Economic Priorities*, Part 1, 91st Congress, 1st session (statement of James L. Clayton); subsequently revised and updated by James L. Clayton, University of Utah, Salt Lake City, Utah.

No. 586. SUMMARY OF MAJOR MILITARY FORCES: 1960 TO 1981

[As of June 30 except, beginning 1977, as of Sept. 30]

DESCRIPTION	1960	1965	1970	1975	1977	1978	1979	1980	1981
Department of the Army:									
Divisions	14	16	16	14	16	16	16	16	16
Maneuver battalions	(NA)	178	191	148	166	166	167	166	166
Air defense battalions/batteries.....	266	227	195	147	150	157	161	154	150
Special forces groups.....	-	7	6	3	4	4	3	3	3
Total aircraft.....	5,564	7,142	12,166	9,517	9,323	8,687	8,625	8,731	8,846
Department of the Navy:									
Ship operating force	900	1,020	847	577	543	531	532	538	550
Active fleet	812	936	769	496	472	464	466	473	482
Auxiliaries and sealift ¹	-	2	5	18	11	10	10	15	22
Naval reserve force	68	82	73	63	60	57	54	50	48
Tactical air squadrons ¹	104	113	88	79	69	65	61	61	61
Antisubmarine air squadrons ²	29	31	20	18	19	22	21	22	22
Marine divisions.....	3	3	3	3	3	3	3	3	3
Marine aircraft combat squadrons:									
Fixed-wing squadrons.....	37	36	32	31	30	30	30	30	30
Rotary-wing squadrons.....	12	16	21	19	19	19	20	24	25
Total aircraft.....	11,272	9,725	8,646	7,035	6,583	6,359	6,050	6,050	5,983
Department of the Air Force:									
ICBM launchers.....	5	854	1,054	1,054	1,054	1,054	1,054	1,054	1,053
Selected aircraft squadrons.....	280	219	181	126	127	130	129	125	127
Strategic	142	65	33	28	26	26	26	26	26
Air defense.....	65	39	17	7	6	6	6	6	5
Tactical (excluding air-lift)	73	115	131	91	95	98	97	93	96
Total aircraft.....	21,283	16,487	14,983	10,736	10,140	10,022	10,062	10,116	10,248
Active.....	18,351	14,668	13,545	9,338	9,256	9,138	8,959	9,068	9,272

- Represents zero. NA Not available. ¹Includes Special Mission. ²Does not include patrol squadrons.
Source: U.S. Dept. of Defense, releases and unpublished data.

No. 589. ESTIMATED U.S. STRATEGIC NUCLEAR FORCES: 1978

[Present force; estimated as of January 1978. U.S. strategic nuclear forces consist of three parts: land-based intercontinental ballistic missiles (ICBM's), long-range bombers, and submarine-launched ballistic missiles (SLBM's). Together these three parts are known as the TRIAD. There is fairly wide agreement among various unclassified estimates of U.S. nuclear forces. For ICBM and SLBM figures, see Thomas J. Downey, "How to Avoid Monad and Disaster," *Foreign Policy*, Fall 1976; Statement of the Honorable Robert L. Leggett, *Vladivostok Accord: Implications to U.S. Security, Arms Control, and World Peace*, Hearings before the Subcommittee on International Security of the House Committee on International Relations, 94:1 (June-July 1975), pp. 8-14; and Kosta Tsipis, "The Accuracy of Strategic Missiles," *Scientific American*, July 1975, p. 190. Minuteman III CEP of 700 ft. (see "U.S. Plans 'Cold-Launch' ICBMs," *Aviation Week and Space Technology*, February 4, 1974, p. 14) assumes the more accurate MK-12A warhead not yet deployed. For bomber estimates, see Archie L. Wood, "Modernizing the Strategic Bomber Force without Really Trying—A Case Against the B-1," *International Security*, Fall 1976, and Alton H. Quenbeck and Archie L. Wood, *Modernizing the Strategic Bomber Force* (The Brookings Institution, 1976), p. 36]

LAUNCHER	Number	Warheads per launcher	Total warheads	Yield in megatons ¹	Total megatons	Equivalent megatons ²	Reliability	Circular error probable ³ (feet)
Total	2,100	(x)	9,854	(x)	3,178	3,780	(x)	(x)
ICBM's, total.....	1,054	(x)	2,184	(x)	1,217	1,194	(x)	(x)
Minuteman II.....	450	1	450	1.0	450	450	.80	1,800
Minuteman III.....	550	3	1,650	.17	281	512	.80	700
Titan II.....	54	1	54	9.0	486	232	.75	3,000
SLBM's, total.....	656	(x)	5,120	(x)	294	758	(x)	(x)
Polaris.....	180	1	180	.6	96	163	.60	3,000
Poseidon.....	496	10	4,960	.04	198	595	.80	1,500
Bombers, total.....	390	(x)	2,580	(x)	1,668	1,828	(x)	(x)
B-52 G/H	255	{ '4 SRAM 4 bombs	1,020 1,020	.2 1.0	204 1,020	347 1,020	} (NA)	(NA)
B-52 D	75	4 bombs	300	1.0	300	300		(NA)
FB-111 ⁴	60	{ '2 SRAM 2 bombs	120 120	.2 1.0	24 120	41 120		(NA)

NA Not available. X Not applicable. ¹A megaton is the yield of a nuclear weapon equivalent to 1 million tons of TNT.
²A commonly used measure of the urban area destructive power of a nuclear weapon that accounts for the fact that area destructive power does not increase proportionately with increases in yield. ³A measure of the delivery accuracy of a weapon system. It is the radius of a circle around the target at which a missile is aimed within which the warhead has a .5 probability of falling. ⁴Short-Range Attack Missile: An air-to-surface missile carried by U.S. FB-111 and B-52 bombers. ⁵Medium bombers procured in small numbers in the late 1960s to supplement the B-52 force. Although capable of supersonic low-level flight, the aircraft's small range and payload limits its effectiveness.

Source: The Congress of the United States, Congressional Budget Office, *Counterforce Issues for the U.S. Strategic Nuclear Forces*, January 1978.

NO. 590. DEPARTMENT OF DEFENSE—ACTIVE DUTY MILITARY PERSONNEL: 1940 TO 1981

[Through 1976, as of June 30; beginning 1977, as of Sept. 30]

YEAR	Total service (1,000)	Rate per 1,000 population ¹	YEAR	Total service (1,000)	Rate per 1,000 population ¹	YEAR	Total service (1,000)	Rate per 1,000 population ¹
1940.....	458	3.5	1954.....	3,302	20.3	1968.....	3,548	17.7
1941.....	1,801	13.5	1955.....	2,935	17.7	1969.....	3,460	17.1
1942.....	3,859	26.5	1956.....	2,808	16.6	1970.....	3,068	14.9
1943.....	9,045	65.9	1957.....	2,796	18.3	1971.....	2,715	13.1
1944.....	11,452	82.4	1958.....	2,601	14.9	1972.....	2,323	11.1
1945.....	12,123	86.3	1959.....	2,504	14.1	1973.....	2,253	10.6
1946.....	3,030	21.4	1960.....	2,476	13.7	1974.....	2,162	10.1
1947.....	1,583	10.9	1961.....	2,484	13.5	1975.....	2,128	9.9
1948.....	1,446	9.8	1962.....	2,808	15.0	1976.....	2,082	9.6
1949.....	1,815	10.8	1963.....	2,700	14.3	1977.....	2,075	9.4
1950.....	1,460	9.6	1964.....	2,687	14.0	1978.....	2,082	9.3
1951.....	3,249	21.0	1965.....	2,655	13.7	1979.....	2,027	9.0
1952.....	3,636	23.1	1966.....	3,094	15.7	1980.....	2,051	9.0
1953.....	3,555	22.2	1967.....	3,377	17.0	1981.....	2,083	9.1

¹Based on Bureau of the Census estimated total population (including Armed Forces abroad) as of July 1.Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual.

NO. 591. DEPARTMENT OF DEFENSE PERSONNEL, PAYROLL, AND MILITARY RETIREES: 1950 TO 1981

[Through 1976, personnel as of June 30 and payroll for years ending June 30; beginning 1977, personnel as of Sept. 30 and payroll for years ending Sept. 30. Excludes "indirect hire" civilians, i.e., foreign nationals under special agreement by Defense Department with foreign country. See *Historical Statistics, Colonial Times to 1970*, series Y 904-916, for similar but not comparable personnel data]

YEAR	PERSONNEL (1,000)				PAYROLL (bil. dol.)				MILITARY RETIREES	
	Total	Active duty, military		Direct hire civilian	Total	Active duty, military ¹		Direct hire civilian ²	Number (1,000)	Pension payments ³ (bil. dol.)
		Total	Percent			Total	Percent			
1950.....	2,213	1,460	66.0	753	8.2	5.3	64.6	2.9	132	(NA)
1955.....	4,122	2,935	71.2	1,187	13.8	9.1	65.9	4.7	180	(NA)
1960.....	3,524	2,476	70.3	1,047	15.1	9.3	61.6	5.8	256	(NA)
1965.....	3,689	2,655	72.0	1,034	18.5	11.4	61.6	7.1	481	(NA)
1970.....	4,260	3,066	72.0	1,194	30.7	19.4	63.2	11.3	773	2.5
1974.....	3,233	2,162	66.9	1,071	32.7	19.9	60.9	12.8	1,012	4.9
1975.....	3,170	2,128	67.1	1,042	34.0	20.2	59.4	13.8	1,073	6.1
1976.....	3,082	2,082	67.3	1,010	35.0	20.4	58.3	14.6	1,132	7.3
1977.....	3,057	2,075	67.9	982	36.8	21.0	57.1	15.8	1,200	8.2
1978.....	3,043	2,082	67.8	960	38.6	21.0	54.4	17.6	1,280	9.0
1979.....	2,968	2,027	67.8	960	40.9	22.7	55.5	18.2	1,286	10.3
1980.....	3,011	2,051	68.1	960	44.6	26.0	58.3	18.6	1,330	11.9
1981.....	3,087	2,083	67.9	984	43.6	24.6	56.4	19.0	1,363	12.7

NA Not available.

¹Excludes troop subsistence, transportation, movement of personnel, etc.²Excludes benefits, etc.³For U.S. only.

NO. 592. DEPARTMENT OF DEFENSE PERSONNEL, BY SERVICE: 1960 TO 1981

[In thousands. As of Dec. 31. See headnote, table 591. See *Historical Statistics, Colonial Times to 1970*, series Y 904-916, for similar but not comparable data]

BRANCH OF SERVICE	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total ¹	3,526	3,916	4,026	3,428	3,228	3,183	3,112	3,067	3,044	3,019	2,987	3,024	3,102
Army.....	1,257	1,448	1,664	1,261	1,148	1,145	1,140	1,133	1,122	1,107	1,108	1,120	1,144
Military.....	877	1,075	1,234	862	782	773	767	775	771	757	760	772	784
Civilian.....	381	373	430	399	366	372	373	358	351	350	348	347	360
Air Force.....	1,117	1,134	1,056	981	942	896	860	827	818	807	790	793	814
Military.....	811	842	759	707	674	625	599	580	572	567	557	580	574
Civilian.....	307	292	297	274	268	273	261	247	244	240	233	234	240
Navy ²	1,150	1,275	1,242	1,117	1,065	1,068	1,040	1,029	1,028	1,028	1,013	1,033	1,063
Military.....	808	940	862	777	746	742	718	717	717	717	704	719	735
Civilian.....	343	335	380	340	319	324	322	312	311	311	309	315	328

¹Includes personnel assigned to Office of Secretary of Defense, Organization of Joint Chiefs of Staff, Army Corps of Engineers Civil Functions, and other defense activities, not shown separately.²Includes Marine Corps.Source of tables 591 and 592: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual, and *Military Manpower Statistics*, monthly.

NO. 593. MILITARY PERSONNEL ON ACTIVE DUTY, BY SERVICE: 1960 TO 1982

[In thousands. As of June 30 except, beginning 1977, as of Sept. 30. Includes National Guard, Reserve, and retired regular personnel on extended or continuous active duty. Excludes Coast Guard, Military cadets, Naval Academy midshipmen, Air Force Academy cadets, and other officer candidates are included under enlisted personnel. See also *Historical Statistics, Colonial Times to 1970*, series Y 904-916]

BRANCH OF SERVICE	1960	1960	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, est.
Total	2,478	2,863	3,966	2,252	2,161	2,127	2,891	2,074	2,081	2,024	2,060	2,082	2,199
Percent officers	12.8	12.7	13.1	14.2	14.0	13.7	13.5	13.3	13.2	13.5	13.5	13.7	13.8
Army	873	958	1,322	801	783	784	779	782	771	758	777	781	784
Officers	101	112	165	118	108	103	98	97	97	97	98	101	102
Enlisted	772	857	1,156	685	677	681	681	685	674	661	679	680	682
Navy	618	671	692	564	546	535	524	530	530	522	527	540	553
Officers	70	78	81	70	87	65	64	63	62	62	63	65	67
Enlisted	548	593	612	494	479	470	461	467	468	460	464	475	486
Marine Corps	171	190	280	198	189	188	192	192	181	185	188	191	192
Officers	18	17	25	19	19	19	19	19	18	18	18	18	19
Enlisted	154	173	255	177	170	177	174	173	173	167	170	172	173
Air Force	815	824	791	691	644	612	585	570	569	559	558	570	581
Officers	130	131	130	115	110	105	100	98	95	96	98	99	102
Enlisted	685	692	662	576	534	507	485	474	474	463	460	471	479

Source: 1960, U.S. Dept. of Defense, semiannual reports and unpublished data; beginning 1965, U.S. Office of Management and Budget, *The Budget of the United States Government*, annual; and unpublished data.

NO. 594. ACTIVE DUTY FORCES, BY SEX, RACE, AND HISPANIC ORIGIN: 1972 TO 1981

[In thousands. As of June 30 except, beginning 1977, as of Sept. 30. Officers include warrant officers]

ITEM	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	2,311.3	2,241.3	2,185.6	2,118.3	2,070.4	2,063.1	2,047.9	2,013.2	2,036.7	2,088.6
Males	2,286.8	2,186.2	2,075.2	2,018.5	1,961.4	1,945.4	1,914.5	1,863.3	1,895.4	1,985.3
Officers	323.0	308.3	289.3	278.4	267.3	266.1	257.3	254.9	258.5	262.1
White	310.2	295.4	275.9	264.4	252.7	249.6	239.9	236.2	234.0	236.5
Black	7.4	7.7	8.0	8.4	8.8	9.8	10.5	11.2	11.8	12.8
Hispanic origin	4.0	3.6	3.8	3.6	3.6	3.9	4.0	4.2	2.6	3.2
Enlisted	1,943.8	1,877.9	1,785.9	1,741.1	1,694.1	1,679.2	1,657.3	1,608.4	1,636.9	1,723.2
White	1,583.8	1,496.3	1,385.8	1,336.1	1,287.2	1,255.2	1,202.0	1,133.1	1,124.7	1,133.2
Black	244.6	263.0	278.0	278.9	279.9	291.8	317.5	337.5	347.0	350.8
Hispanic origin	77.4	76.7	79.8	80.5	78.6	76.0	73.9	71.1	66.0	67.3
Females	64.5	55.1	74.5	99.8	108.0	117.7	133.3	149.9	170.2	183.6
Officers	12.6	12.8	13.1	13.6	13.7	14.9	16.7	18.9	21.5	23.4
Enlisted	51.9	42.3	61.3	86.1	94.3	102.8	116.6	131.0	148.6	160.2

¹ Includes other races not shown separately.

Source: U.S. Dept. of Defense, Office of Equal Opportunity, unpublished data.

NO. 595. MILITARY PERSONNEL ON ACTIVE DUTY, BY LOCATION: 1965 TO 1981

[In thousands. As of Dec. 31. Shore-based includes Navy personnel temporarily on shore]

YEAR	TOTAL		U.S. ¹		FOREIGN COUNTRIES		YEAR	TOTAL		U.S. ¹		FOREIGN COUNTRIES	
	Shore-based	Naval afloat ²	Shore-based	Naval afloat ²	Shore-based	Naval afloat ²		Shore-based	Naval afloat ²	Shore-based	Naval afloat ²	Shore-based	Naval afloat ²
1965	2,517	340	1,789	215	728	125	1975	1,864	200	1,480	150	406	50
1966	3,008	280	2,012	197	998	92	1976	1,858	214	1,468	157	382	67
1967	2,827	247	1,807	180	820	87	1977	1,842	218	1,435	166	407	83
1968	2,290	229	1,677	188	613	60	1978	1,826	213	1,421	161	407	82
1969	2,109	239	1,616	134	491	105	1979	1,820	200	1,394	146	426	82
1970	1,982	220	1,544	185	438	56	1980	1,844	207	1,421	155	423	82
1971	1,829	211	1,508	152	421	58	1981	1,877	218	1,446	162	432	84

¹ Includes Marine Corps. ² Includes outlying areas. ³ Includes personnel in the Panama Canal Zone who were previously reported in the United States total.

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual; and unpublished data.

NO. 596. COAST GUARD PERSONNEL ON ACTIVE DUTY: 1960 TO 1981

[As of June 30 except, beginning 1977, as of Sept. 30]

YEAR	Total	Officers	Cadets	Enlisted	YEAR	Total	Officers	Cadets	Enlisted
1960	30,616	4,020	406	26,191	1978	37,734	5,115	681	30,798
1965	31,778	4,476	440	26,862	1979	38,559	5,340	808	31,411
1970	37,699	5,512	663	31,524	1980	39,381	5,483	677	32,041
1975	38,788	5,630	1,177	32,981	1981	39,780	5,519	681	32,580

Source: 1960 and 1965, U.S. Dept. of the Treasury, *Annual Report of the Secretary of the Treasury on the State of the Finance*; thereafter, U.S. Dept. of Transportation, *Annual Report of the Secretary of Transportation*.

NO. 597. U.S. MILITARY PERSONNEL ABROAD OR AFLOAT, BY COUNTRY: 1970 TO 1981

[In thousands. As of June 30 except, beginning 1977, as of Sept. 30. Data are unclassified approximations]

COUNTRY	1970	1975	1976	1979	1980	1981	COUNTRY	1970	1975	1976	1979	1980	1981
Outside U.S. ¹	1,071	517	484	481	509	502	Asia and Pacific	683	156	129	122	115	125
Europe ²	304	314	330	325	332	337	Japan ³	81	48	48	48	48	48
Germany, F.R.	214	220	234	239	244	248	Philippines	24	15	14	14	13	15
Greece	3	4	4	3	4	3	South Korea	54	42	42	39	39	38
Iceland	3	3	3	3	3	3	China (Taiwan)	9	4	1	(2)	-	-
Italy	10	12	12	12	12	12	Thailand	41	20	(2)	(2)	(2)	(2)
Spain	8	9	9	9	9	9	S. Vietnam	415	-	-	-	-	-
Turkey	7	7	5	5	5	5	Afloat	80	26	26	22	18	25
United Kingdom	21	21	22	23	24	25	U.S. outlying areas ⁴	32	25	22	22	13	13
Other countries	8	7	6	6	7	7	Troop dependents ⁵	347	365	318	363	399	347
Afloat	25	30	35	25	22	25	Europe	205	239	222	282	273	298
							Western Pacific	81	82	61	67	84	62

- Represents zero. Z Fewer than 500. ¹ Includes troops in countries not shown. ² Western Europe and related areas. ³ Includes Okinawa. ⁴ Primarily Guam, Panama Canal Zone, Puerto Rico, and Midway Islands. ⁵ Dependent data as of Sept. 30. Includes areas not shown separately.

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual, and unpublished data.

NO. 598. VIETNAM CONFLICT—U.S. MILITARY FORCES IN VIETNAM, AND CASUALTIES: 1961 TO 1981

[Military forces as of Dec. 31. All U.S. forces withdrawn by Jan. 27, 1973]

ITEM	Unit	1961, total	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973-1981
Military forces	1,000	(x)	23.3	184.3	385.3	485.6	536.1	475.2	234.6	156.8	34.2	-
Battle deaths ¹	Number	47,232	267	1,566	5,006	9,377	14,589	9,414	4,221	1,381	300	1,308
Killed	Number	38,439	186	1,115	4,122	7,481	12,522	8,106	3,479	1,064	193	38
Died of wounds	Number	5,189	10	103	576	978	1,584	1,166	552	157	26	7
Died while missing ²	Number	3,647	71	151	310	906	373	142	190	140	61	1,261
Wounded, nonfatal ³												
Hospital care	1,000	153.3	.8	3.3	16.5	32.4	46.6	32.9	15.2	4.8	6	(Z)
No hospital care	1,000	150.3	.8	2.8	13.6	29.7	45.9	37.3	15.4	4.2	6	(Z)

- Represents zero. X Not applicable. Z Fewer than 50. ¹ For 1964 only. ² Casualties from enemy action. Deaths exclude 10,448 servicemen who died in accidents or from disease. ³ Includes servicemen who died while captured.

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual, and unpublished data; beginning 1981, National Archives and Records Service, "Combat Area Casualty File," (3-330-80-3).

NO. 599. ARMED FORCES PERSONNEL—SUMMARY OF MAJOR CONFLICTS

[For Revolutionary War, number of personnel serving not known, but estimates range from 184,000 to 250,000; for War of 1812, 286,730 served; for Mexican War, 78,718 served. Dates of the major conflicts may differ from those specified in various laws providing benefits for veterans. See table 598 for data on Vietnam conflict. See also *Historical Statistics, Colonial Times to 1970*, series Y 856-903]

ITEM	Unit	Civil War ¹	Spanish-American War	World War I	World War II	Korean conflict	Vietnam conflict
Personnel serving	1,000	2,213	307	4,744	² 16,354	³ 5,784	⁴ 6,811
Army	1,000	2,129	⁵ 281	4,057	11,280	2,834	4,386
Navy	1,000	84	23	589	4,183	1,177	1,842
Marines	1,000		3	79	899	424	1,111
Air Force ⁶	1,000	(X)	(X)	(⁷)	(⁷)	1,295	1,740
Coast Guard ⁸	1,000	(X)	(X)	9	241	44	67
Average duration of service	Months	30	8	12	33	19	23
Officers	Months	(NA)	8	14	39	24	(NA)
Enlisted	Months	(NA)	8	12	33	18	(NA)
Service abroad: Personnel serving	Percent	(NA)	⁹ 29	53	73	¹⁰ 66	(NA)
Average duration ¹¹	Months	(NA)	1.5	5.5	16.2	13.4	(NA)
Casualties: ¹² Battle deaths	1,000	140	(2)	53	292	34	¹³ 47
Wounds not mortal	1,000	282	2	204	671	103	¹⁴ 304
Draftees: Classified	1,000	777	(X)	24,234	38,677	9,123	¹⁵ 75,717
Examined	1,000	582	(X)	3,784	17,955	3,665	¹⁶ 8,611
Rejected	1,000	180	(X)	603	5,420	1,189	¹⁷ 3,589
Inducted	1,000	46	(X)	2,820	10,022	1,580	¹⁸ 1,759

NA Not available. X Not applicable. Z Fewer than 500. ¹ Union forces only. Estimates of the number serving in Confederate forces range from 800,000 to 1.5 million. ² Covers Dec. 1, 1941, to Dec. 31, 1946. ³ Covers June 25, 1950, to July 27, 1953. ⁴ Covers Aug. 4, 1964, to Jan. 27, 1973. ⁵ Covers Apr. 21 to Aug. 13, 1898. ⁶ Originally organized in 1907. Established as Air Force under Armed Services Unification Act of 1947. For World War I, known as Aviation Service and included in data for Army; for World War II, known as Army Air Forces and included in data for Army. ⁷ Included in Army. ⁸ Established Jan. 28, 1915. ⁹ Army and Marines only. ¹⁰ Excludes Navy. Covers July 1950 through Jan. 1955. Far East area only. ¹¹ During hostilities only. ¹² For periods covered, see footnotes 2, 3, 4, and 5. ¹³ Covers Jan. 1, 1961, to Jan. 27, 1973.

Source: The President's Commission on Veterans' Pensions, *Veterans' Benefits in the United States*, vol. I, 1956; and U.S. Dept. of Defense, unpublished data.

No. 600. ACTIVE DUTY MILITARY PERSONNEL AND THEIR DEPENDENTS: 1960 TO 1981

(In thousands except as indicated. As of September 30.)

BRANCH OF SERVICE	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Military personnel, total ¹	2,478	2,710	2,970	2,982	2,971	2,961	2,949	2,914	2,937	2,989
Males	2,447	2,679	2,926	1,991	1,959	1,942	1,916	1,884	1,867	1,886
Dependents, total	3,727	3,814	4,095	2,960	3,009	2,936	2,868	2,879	2,827	2,558
Spouses	1,278	1,286	1,507	1,132	1,155	1,134	1,115	1,103	1,090	1,007
Children	2,275	2,375	2,326	1,747	1,781	1,699	1,654	1,645	1,601	1,476
Parents and all other	176	153	261	101	63	103	99	130	136	75
Number per military male	1.50	1.41	1.38	1.50	1.45	1.42	1.40	1.54	1.51	1.35
Army	1.55	1.18	1.32	1.54	1.55	1.53	1.55	1.85	1.84	1.44
Navy	1.16	1.15	1.12	1.26	1.21	1.19	1.14	1.18	1.11	1.12
Marine Corps	.97	.97	.86	.93	.91	.89	.86	.87	.86	.86
Air Force	1.83	2.00	1.95	1.86	1.72	1.68	1.62	1.73	1.86	1.65
Number per family unit	2.92	2.97	2.72	2.83	2.61	2.59	2.57	2.61	2.59	2.54
Army	3.15	2.89	2.86	2.75	2.74	2.78	2.75	2.89	2.89	2.87
Navy	2.75	2.78	2.54	2.54	2.53	2.46	2.43	2.34	2.34	2.34
Marine Corps	2.63	2.75	2.46	2.40	2.40	2.38	2.39	2.42	2.41	2.40
Air Force	2.85	3.16	2.93	2.62	2.54	2.51	2.48	2.45	2.41	2.37

¹ Excludes cadets.Source: U.S. Department of Defense, *Selected Manpower Statistics*, annual.

No. 601. MILITARY PERSONNEL—DESSERTION AND ABSENT-WITHOUT-AUTHORITY RATES: 1965 TO 1981

(Rate per 1,000 average end-of-month strength. For years ending June 30 except, beginning 1977, ending Sept. 30.)

YEAR	DESSERTION RATE ¹					ABSENT-WITHOUT-AUTHORITY RATE ¹				
	Total	Army	Marine Corps	Navy	Air Force	Total	Army	Marine Corps	Navy	Air Force
1965	(NA)	15.7	18.6	6.7	0.4	(NA)	60.1	(NA)	26.8	2.9
1966	24.3	42.4	40.2	7.3	.5	64.9	112.3	119.6	19.5	4.4
1967	33.6	82.3	59.6	9.9	.8	88.3	132.5	174.3	17.5	5.9
1971	42.0	73.5	58.2	11.1	1.5	104.3	178.9	186.6	19.0	9.4
1972	35.1	62.0	65.3	8.8	2.8	95.3	186.4	170.0	18.3	17.2
1973	29.6	52.1	63.2	13.6	2.2	93.2	169.2	234.3	21.7	16.1
1974	29.9	41.1	69.2	21.2	2.4	96.0	129.9	287.5	53.8	17.3
1975	26.3	26.0	105.0	22.4	1.9	86.8	95.4	300.9	73.0	13.0
1976	20.1	17.7	69.2	24.8	1.2	86.2	70.3	201.8	77.5	7.9
1977	19.1	16.7	47.0	31.6	.6	46.5	47.0	103.5	76.9	3.8
1978	18.0	15.4	39.9	30.4	.7	46.0	40.4	87.5	78.3	4.6
1979	16.5	16.1	37.9	29.6	1.1	46.2	39.0	86.7	83.4	5.9
1980	17.9	19.6	34.2	27.0	1.2	46.6	41.6	83.6	62.0	6.7
1981	14.7	15.9	26.6	21.8	1.0	42.3	36.0	73.9	77.9	5.2

NA Not available.

¹ Absent without authority more than 30 days.² For 30 days or less.

No. 602. DISCHARGES OF ENLISTED PERSONNEL, BY TYPE: 1965 TO 1981

(For years ending June 30 except, beginning 1977, ending Sept. 30.)

YEAR	Total discharges	Honorable ^{1,2}	General ^{1,3}	Other than honorable ^{1,4}	Bad conduct ^{1,5}	Dishonorable ^{1,6}	PERCENT OF TOTAL		
							Honorable	General	Other
1965	718,699	678,100	25,477	13,178	2,088	55	94.3	3.5	2.1
1966	740,044	706,761	20,883	10,644	1,784	72	95.5	2.8	1.7
1967	689,617	657,684	19,582	9,741	2,585	66	95.4	2.8	1.8
1968	669,877	636,990	18,290	11,707	2,686	34	95.2	2.1	1.7
1969	1,016,470	980,376	19,853	12,982	3,662	187	96.4	2.0	1.6
1970	1,136,140	1,081,556	29,334	20,811	3,984	375	95.2	2.6	2.2
1971	1,016,622	944,366	40,256	29,139	4,737	326	92.7	4.0	3.4
1972	890,557	804,470	45,219	36,345	4,167	368	90.3	5.1	4.6
1973	719,789	646,720	40,680	29,049	2,906	434	89.8	5.7	4.5
1974	686,179	609,580	45,960	29,326	2,866	315	88.6	6.7	4.7
1975	662,962	603,058	48,999	27,015	3,587	293	89.3	7.2	4.4
1976	630,194	542,674	53,135	30,721	3,436	229	86.1	8.4	5.5
1977	569,256	509,693	38,822	18,104	2,349	190	89.5	8.8	3.7
1978	493,585	446,870	29,676	15,054	1,823	180	90.5	8.0	3.5
1979	543,222	489,269	26,899	14,759	1,914	291	91.9	5.0	3.1
1980	541,556	489,950	23,541	15,553	2,242	272	92.3	4.4	3.3
1981	530,718	481,713	27,372	17,613	3,633	367	90.8	5.2	4.1

¹ Administrative discharge.² Based on proper military behavior and proficient performance of duty; honest and faithful service.³ Discharge under honorable conditions; satisfactory service; military record not sufficiently meritorious for honorable discharge.⁴ Unsatisfactory service (misconduct, security or resignation/request for discharge).⁵ Punitive, resulting from trial by court-martial.⁶ Usually punishment for repeated convictions of minor offenses.⁷ Granted after conviction of offenses usually recognized by civil law as felonies, or of military offenses requiring severe punishment.

Source of tables 601 and 602: U.S. Dept. of Defense, unpublished data.

NO. 603. ENLISTED MILITARY PERSONNEL PROCUREMENT: 1965 TO 1981

[In thousands, except percent. For years ending June 30 except, beginning 1977, ending Sept. 30]

BRANCH OF SERVICE	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	702	872	904	932	988	925	867	801	684	613	527	542	572
Inductions	108	207	156	27	36	-	-	-	-	-	-	-	-
First enlistments	318	423	396	396	428	391	415	397	381	308	310	356	321
Percent—													
Other than White ¹	10.8	11.6	13.7	15.5	18.5	20.9	18.1	17.3	20.5	23.3	26.0	26.3	(NA)
High school graduates	68.7	71.2	66.8	65.8	64.1	65.7	71.7	72.3	74.2	81.1	72.8	67.7	(NA)
Reenlistments	247	213	221	184	202	212	226	183	190	179	189	204	229
Reserves to active duty	34	28	31	25	23	22	24	21	23	25	28	22	22
Army ²	364	472	414	238	278	264	263	250	268	217	233	265	216
First enlistments	102	177	158	160	179	185	191	186	173	128	133	183	121
Reenlistments	89	83	98	49	82	77	91	62	82	83	93	97	98
Navy ²	170	184	166	163	171	156	186	144	143	121	115	127	147
First enlistments	94	100	79	89	99	84	90	85	90	70	66	75	79
Reenlistments	44	41	41	43	53	53	54	40	34	32	29	36	49
Marine Corps ²	46	87	71	87	87	92	71	84	89	86	86	88	81
First enlistments	34	56	59	56	52	47	56	52	45	42	41	42	41
Reenlistments	11	8	10	11	14	15	15	12	14	13	14	15	19
Air Force ²	182	148	173	173	172	143	147	143	134	118	124	132	146
First enlistments	88	76	101	91	98	75	76	74	73	68	70	76	80
Reenlistments	104	70	72	81	74	67	68	69	61	50	53	56	65

- Represents zero. NA Not available. ¹Black only, beginning 1974. ²For some years, totals include reserves to active duty and inductions, not shown separately.

NO. 604. RESERVE OFFICERS TRAINING CORPS (ROTC)—ENROLLMENT: 1965 TO 1981

[In thousands. For May, or end of school year. Jr. ROTC refers to enrollment in high schools, academies, junior colleges, and National Defense Cadet Corps schools; after 1965, includes Jr. ROTC in all service branches]

ITEM	1965	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Senior ROTC	231	175	123	92	73	60	56	61	68	78	80	84	91	100
Junior ROTC	88	122	126	124	121	140	155	184	158	152	156	144	151	156

Source of tables 603 and 604. U.S. Dept. of Defense, *Selected Manpower Statistics*, annual, and *Military Manpower Statistics*, monthly.

NO. 605. AVERAGE ANNUAL MILITARY COMPENSATION RATES: 1970 TO 1982

[In thousands of dollars. As of June 30 except, beginning 1977, as of Sept. 30. Covers all branches of the military service. Based on weighted averages. See also, *Historical Statistics, Colonial Times to 1970*, series D 921-926 and Y 898-903]

ITEM	BASIC PAY							BASIC PAY PLUS ENTITLEMENTS ¹						
	1970	1975	1976	1979	1980	1981	1982, est.	1970	1975	1976	1979	1980	1981	1982, est.
Current dollars:														
All personnel ²	4.2	7.3	8.4	8.9	9.6	10.7	12.2	5.6	9.5	10.9	11.8	13.1	14.3	15.6
Officers	9.9	14.8	17.6	18.4	19.8	21.8	24.9	13.0	18.8	22.3	23.9	25.0	28.5	31.0
Enlisted	3.4	6.0	7.0	7.5	8.0	8.9	10.2	4.7	8.0	9.2	9.7	11.2	12.0	13.1
Constant dollars: ³														
All personnel ²	4.8	5.8	5.4	5.2	4.9	4.8	5.2	6.9	7.5	7.0	6.8	6.7	6.6	6.7
Officers	10.8	11.7	11.3	10.7	10.1	10.1	10.7	14.2	14.9	14.4	13.7	12.8	13.2	13.3
Enlisted	3.7	4.8	4.5	4.4	4.1	4.1	4.4	5.1	6.4	5.9	5.7	5.6	5.6	5.8

¹Not strictly comparable, year to year, due to changes in entitlements. ²Excludes pay of Officer Candidates. ³Constant 1972 dollars.

Source: U.S. Office of Management and Budget, unpublished data.

NO. 606. MONTHLY (OCTOBER) RATES OF MILITARY BASIC PAY: 1978 TO 1981

PAY GRADE AND YEARS OF SERVICE ¹	1978	1979	1980	1981	PAY GRADE AND YEARS OF SERVICE ¹	1978	1979	1980	1981
Recruit—E-1 (0-2)	\$419	\$449	\$501	\$547	2d Lt.—O-1 (0-2)	\$773	\$827	\$924	\$1,008
Private—E-2 (0-2)	467	500	559	609	1st Lt.—O-2 (2-3)	973	1,041	1,163	1,269
Pvt. 1st class—E-3 (0-2)	466	520	580	633	Captain—O-3 (6-8)	1,415	1,515	1,692	1,848
Corporal—E-4 (2-3)	533	571	638	696	Major—O-4 (14-16)	1,792	1,918	2,142	2,337
Sergeant—E-5 (4-6)	626	689	745	816	Colonel—O-6 (26-30)	2,817	3,015	3,366	3,674
Master Sgt.—E-6 (20-22)	1,156	1,237	1,362	1,507	Brig. Genl.—O-7 (26-30)	3,205	3,431	3,832	4,181
Warr. Officer—W-1(10-12)	973	1,041	1,163	1,269	Lt. Genl.—O-8 (26-30)	*3,958	*4,176	*4,176	*4,558
Chief Warr.—W-4 (26-30)	1,776	1,902	2,125	2,319	General—O-10 (26-30)	*3,958	*4,176	*4,176	*4,558

¹Longevity pay step of typical military member. ²Under 4 months of service. ³Statutory limitation.

Source: U.S. Dept. of Defense, Office of the Comptroller, unpublished data.

NO. 607. MILITARY RESERVE PERSONNEL: 1960 TO 1981

[In thousands. As of June 30 except, beginning 1977, as of Sept. 30. The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The standby reserve cannot be called to active duty unless the Congress gives its explicit approval. The retired reserve represents a low potential for mobilization]

RESERVE STATUS AND BRANCH OF SERVICE	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total reserves.....	4,147	2,577	3,639	3,413	3,085	2,858	2,419	2,248	2,118	2,109	2,100	2,367
Ready reserve.....	2,418	1,802	2,574	2,148	1,856	1,529	1,308	1,183	1,144	1,203	1,283	1,317
Standby reserve.....	1,565	472	492	576	496	412	340	274	183	103	66	66
Retired reserve.....	144	303	573	689	713	715	771	792	781	803	821	885
Army.....	2,625	1,515	2,221	2,140	1,878	1,631	1,389	1,243	1,178	1,173	1,219	1,337
Navy.....	930	802	808	725	640	621	489	478	436	427	438	436
Air Force.....	592	480	610	548	547	504	541	530	508	509	514	494

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual, and *Military Manpower Statistics*, monthly.

NO. 608. MILITARY RESERVE COSTS: 1970 TO 1981

[In millions of dollars. 1976 as of June 30; 1980 as of Sept. 30. Army and Air Force data include National Guard]

TYPE OF COST	1970	1975	1977	1978	1979	1980	1981				
							Total	Army	Air Force	Navy	Marine Corps
Total.....	3,547	4,799	5,899	6,881	7,049	7,877	9,876	4,842	3,528	1,379	221
Personnel.....	1,083	1,679	1,784	1,932	2,031	2,359	3,012	1,877	632	290	113
Operations and maintenance.....	994	2,092	2,532	2,718	2,961	3,528	4,184	1,489	2,118	548	29
Construction.....	49	176	198	176	172	122	233	86	112	33	-
Procurement.....	187	518	1,041	1,889	1,483	1,483	1,955	1,181	839	140	15
Active-duty support.....	234	324	335	365	389	408	508	147	27	288	64

- Represents zero.

Source: U.S. Dept. of Defense, *Five-Year Defense Plan*, internal record.

NO. 609. NATIONAL GUARD—SUMMARY: 1960 TO 1981

[As of June 30 except, beginning 1977, as of Sept. 30. Includes Puerto Rico]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981
Army National Guard: Units.....	Number	4,384	3,999	3,552	3,245	3,297	3,555	3,368	3,379	3,388
Personnel ¹	1,000	408	386	410	403	384	347	347	368	389
Funds obligated ²	Mill. dol.	400	484	752	1,322	1,514	1,596	1,654	1,802	2,188
Value of equipment.....	Mill. dol.	1,500	1,478	1,800	4,100	4,100	4,723	7,800	8,100	8,300
Air National Guard: Units.....	Number	844	738	888	1,198	1,030	1,030	1,020	1,064	1,108
Personnel ¹	1,000	71	76	90	86	91	92	93	97	97
Funds obligated ²	Mill. dol.	233	321	467	890	1,044	1,104	1,250	1,878	1,866
Value of equipment.....	Mill. dol.	(NA)	(NA)	(NA)	3,100	3,970	4,087	4,800	5,200	6,000

NA Not available. ¹Officers and enlisted men; excludes Guardsmen on active duty except those undergoing basic training.

²Federal funds; includes personnel, operations, maintenance, and military construction.

Source: U.S. National Guard Bureau, *Annual Review of the Chief, National Guard Bureau*, and unpublished data.

NO. 610. NUMBER OF LIVING VETERANS, BY PERIOD OF SERVICE: 1950 TO 1981

[Estimates in thousands. As of June 30 except, beginning 1979, as of Sept. 30. See also *Historical Statistics, Colonial Times to 1970*, series Y 967-970]

PERIOD OF SERVICE	1960	1965	1969	1966	1970	1975	1979	1980	1981
All veterans ¹	18,623	21,802	22,811	25,289	27,547	29,458	30,972	30,116	30,983
War veterans ¹	19,023	21,796	22,431	22,107	24,522	26,367	26,310	26,068	25,789
World War I.....	3,518	3,150	2,873	2,121	1,536	983	594	521	446
World War II ²	15,386	15,405	15,202	14,868	14,458	13,588	12,874	12,422	12,170
Korean conflict ³	(X)	3,999	5,482	5,718	5,887	5,979	5,886	5,828	5,781
With service in World War II.....	(X)	828	982	1,150	1,262	1,250	1,187	1,167	1,148
No service in World War II.....	(X)	3,171	4,520	4,568	4,805	4,723	4,679	4,659	4,633
Vietnam ⁴	(X)	(X)	(X)	456	4,173	7,597	8,910	9,015	9,087
With service in Korean conflict.....	(X)	(X)	(X)	22	256	503	547	562	560
In Korea and World War II.....	(X)	(X)	(X)	17	156	202	199	196	192
No service in Korean conflict.....	(X)	(X)	(X)	434	3,918	7,094	8,363	8,463	8,537
Peacetime veterans.....	(X)	4	1,380	3,152	3,125	3,092	3,782	4,053	4,294
Between Korea and Vietnam ⁵	(X)	4	1,380	3,152	3,125	3,092	3,089	3,050	3,040
Post-Vietnam era only ⁶	(X)	(X)	(X)	(X)	(X)	(X)	703	1,003	1,254

X Not applicable. ¹Detail indicates number of living veterans who served in each war; to avoid duplication, veterans counted once in total even though service in more than one war. Totals include war with Spain, Philippine Insurrection, and Boxer Rebellion. ²Sept. 16, 1940, to July 25, 1947. ³June 27, 1950, to Jan. 31, 1955. ⁴Aug. 5, 1964, to May 7, 1975.

⁵Feb. 1, 1955, to Aug. 4, 1964. ⁶Service after May 7, 1975, only.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

No. 611. LIVING VETERANS—STATES AND OTHER AREAS: 1970 TO 1981

[Estimates in thousands. As of June 30 except, beginning 1980, as of Sept. 30. These estimates were developed from benchmark veteran population statistics for the States as of June 30, 1970, based on 1970 Census of Population data on veterans' place of residence, extended to Sept. 30, 1981, on the basis of (1) 1965-1970 veteran interstate migration statistics from the 1970 census; (2) Bureau of the Census provisional estimates of 1970-1971 net civilian migration of States, *Current Population Reports*, series P-25, No. 468, Oct. 5, 1971; and (3) mobility of U.S. population, 1975-1976, *Current Population Reports*, series P-20, No. 305, January 1977. They are independent of, and not directly comparable with, estimates for June 30, 1970, through June 30, 1974, previously published by the VA]

STATE OR OTHER AREA	Total veter- ans, 1970	Total veter- ans, 1980	Total veter- ans, 1981	WAR VETERANS, 1981							Service be- tween Korea and Viet- nam only ⁵	Post- Viet- nam era ⁶
				Total ¹	World War I	World War II ²	Korean conflict ³		Vietnam era ⁴			
							Total ^{3,4}	No service in World War II	Total	No service in Korean conflict		
Total.....	27,847	30,118	30,883	25,738	449	12,170	5,781	4,833	9,087	8,537	3,040	1,254
U.S.....	27,450	29,889	29,829	25,581	445	12,124	6,717	4,578	8,984	8,438	3,086	1,239
Ala.....	408	422	422	362	6	162	92	75	127	119	43	17
Alaska.....	30	40	39	32	(Z)	12	7	6	15	14	5	2
Ariz.....	234	339	347	299	5	140	69	51	109	103	34	14
Ark.....	216	274	277	242	5	120	49	38	83	79	25	10
Calif.....	2,982	3,350	3,348	2,886	43	1,399	717	515	1,002	931	320	140
Colo.....	290	379	382	323	6	137	70	52	135	129	41	18
Conn.....	438	464	463	398	6	185	100	83	133	124	46	19
Del.....	75	79	78	62	1	31	11	8	24	22	12	4
D.C.....	120	99	98	82	1	42	26	21	20	18	11	3
Fla.....	957	1,358	1,397	1,230	31	656	283	195	376	348	120	47
Ga.....	478	640	641	542	7	220	132	108	220	209	70	29
Hawaii.....	68	83	82	75	1	29	20	16	31	29	13	4
Idaho.....	97	105	105	89	2	42	17	13	34	32	12	4
Ill.....	1,576	1,535	1,519	1,301	23	610	302	264	431	404	155	63
Ind.....	703	728	725	614	10	271	129	111	235	222	76	35
Iowa.....	377	377	378	320	8	147	62	55	116	110	41	17
Kans.....	298	312	311	269	6	130	54	43	95	90	30	12
Ky.....	366	414	412	355	7	169	76	60	126	119	42	15
La.....	431	451	447	385	6	180	91	76	132	123	44	18
Maine.....	140	155	158	134	3	66	25	20	48	45	17	5
Md.....	523	629	629	538	7	242	134	102	198	187	63	28
Mass.....	824	872	871	751	14	348	172	143	261	246	84	36
Mich.....	1,175	1,186	1,180	996	16	443	212	186	372	351	127	57
Minn.....	522	580	580	471	10	205	84	71	194	185	60	29
Miss.....	218	242	240	208	4	105	45	36	67	63	25	7
Mo.....	646	710	708	610	12	288	131	109	214	201	70	28
Mont.....	97	99	98	81	2	41	14	11	29	27	13	4
Nebr.....	184	202	203	173	4	78	32	27	67	64	22	8
Nev.....	66	95	97	83	1	40	20	15	28	27	9	5
N.H.....	103	127	125	103	2	52	20	15	36	34	17	5
N.J.....	1,060	1,108	1,102	950	15	465	224	186	305	284	111	41
N. Mex.....	138	137	137	116	2	55	26	20	42	39	16	5
N.Y.....	2,553	2,453	2,422	2,110	37	1,078	496	431	608	564	223	89
N.C.....	537	620	618	527	8	231	110	91	210	197	68	23
N. Dak.....	72	60	58	48	1	26	7	6	16	15	8	2
Ohio.....	1,536	1,476	1,463	1,241	20	580	256	218	450	423	153	69
Okla.....	337	414	417	358	7	168	77	59	130	124	42	17
Oreg.....	312	389	393	337	7	165	65	46	123	117	38	18
Pa.....	1,785	1,740	1,729	1,489	26	740	314	262	494	461	169	71
R.I.....	131	152	150	126	2	65	26	21	41	38	18	6
S.C.....	263	336	337	289	4	118	65	53	119	114	34	14
S. Dak.....	86	74	72	59	2	32	11	9	17	16	10	3
Tenn.....	484	542	541	462	8	204	104	89	169	161	56	23
Tex.....	1,370	1,668	1,673	1,434	22	677	310	237	530	498	169	70
Utah.....	132	152	155	130	2	51	24	19	61	58	17	8
Vt.....	57	64	64	53	1	25	9	7	21	20	7	4
Va.....	546	664	664	568	8	259	139	97	217	204	70	26
Wash.....	476	815	817	524	8	244	115	79	204	193	64	29
W. Va.....	262	234	233	203	5	103	39	34	64	61	22	8
Wis.....	590	592	593	503	11	229	96	82	192	181	62	28
Wyo.....	53	45	45	38	1	19	6	5	13	13	5	2
P.R.....	157	175	181	149	2	42	63	57	49	48	21	11
Other areas..	40	74	73	59	2	4	1	(Z)	54	53	10	4

Z Fewer than 500. ¹Includes living Spanish American War veterans, 86 in 1981. ²See footnote 1, table 612.
³June 27, 1950-Jan. 31, 1955. ⁴Aug. 5, 1964, to May 7, 1975. ⁵See footnote 5, table 610. ⁶Service after May 7, 1975 only.
Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*.

No. 612. LIVING VETERANS, BY AGE AND PERIOD OF SERVICE: 1981

[In thousands, except as indicated. As of Sept. 30. Estimated. See *Historical Statistics, Colonial Times to 1970*, series Y 943-956, for all veterans]

AGE IN 1981	Total veterans	World War I	World War II ¹	KOREA			VIETNAM ²			Peace-time ³
				Total	Only in Korea	Also in WW II	Total	Only in Vietnam	Also in Korea	
Total.....	30,083	449	12,170	5,781	4,833	1,148	9,087	8,537	550	4,294
18-24 years.....	952	-	-	-	-	-	88	88	-	884
25-29 years.....	1,863	-	-	-	-	-	1,528	1,528	-	335
30-34 years.....	3,424	-	-	-	-	-	3,375	3,375	-	49
35-39 years.....	3,283	-	-	-	-	-	2,755	2,755	-	528
40-44 years.....	2,429	-	-	100	100	-	683	670	13	1,059
45-49 years.....	2,905	-	2	2,024	2,023	1	254	95	159	785
50-59 years.....	8,170	-	5,808	3,173	2,475	698	315	24	291	63
60 years and over.....	7,047	449	6,580	484	35	449	89	2	87	1
Average age (yr.).....	48.0	85.3	60.5	51.1	49.3	58.4	34.3	33.1	52.6	37.1

- Represents zero. ¹Includes 1,148,000 who served in both WW II and Korean conflict. ²Aug. 5, 1964, to May 7, 1975. ³Post-Korean conflict (Feb. 1, 1956, to Aug. 4, 1964, only) and Post-Vietnam era (service after May 7, 1975, only).

No. 613. DISABLED VETERANS RECEIVING COMPENSATION: 1950 TO 1981

[In thousands. As of June 30 except, beginning 1977, as of Sept. 30. Represents veterans receiving compensation for service-connected disabilities. Totally disabled refers to veterans who have any disability, mental or physical, deemed to be total and permanent which prevents the individual from maintaining a livelihood]

MILITARY SERVICE	1950	1960	1960	1970	1975	1976	1977	1978	1978	1980	1981
Disabled, all wars ¹	1,983	2,027	1,983	2,082	2,220	2,232	2,247	2,259	2,259	2,274	2,279
Regular establishment.....	53	103	161	185	194	196	207	222	240	262	284
World War I.....	293	173	120	85	55	50	43	38	34	30	25
World War II.....	1,643	1,544	1,486	1,416	1,309	1,288	1,261	1,241	1,218	1,193	1,168
Korea.....	(x)	206	225	239	240	240	239	239	237	236	234
Vietnam.....	(x)	(x)	(x)	167	423	458	497	519	537	553	568
Totally disabled, all wars ¹	116	110	110	124	123	123	123	122	121	121	135
Regular establishment.....	9	11	16	16	16	16	17	18	19	20	23
World War I.....	31	23	16	11	6	6	5	4	3	3	2
World War II.....	74	61	63	63	58	57	56	54	53	51	56
Korea.....	(x)	15	15	16	16	16	16	16	16	16	18
Vietnam.....	(x)	(x)	(x)	18	26	26	29	30	30	31	36

X Not applicable. ¹Includes Spanish-American War and Mexican Border service, not shown separately.
Source of tables 612 and 613: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

No. 614. VIETNAM-ERA VETERANS—LENGTH OF SERVICE: 1965 TO 1981

[For definition of median, see Guide to Tabular Presentation]

FISCAL YEAR	Service-men discharged (1,000)	VETERANS (1,000) WITH LENGTH OF SERVICE—				Median months of service	VETERANS WITH SERVICE IN VIETNAM	
		Less than 24 mo.	24-35 mo.	36-47 mo.	48 mo. or more		Number (1,000)	Percent of total
1965-1981, prel.....	9,707	2,232	2,410	1,983	2,980	39.7	3,124	32.3
1965-1966.....	1,046	161	271	256	338	39.3	56	5.4
1967.....	576	104	148	129	197	39.5	144	25.0
1968.....	788	143	324	114	207	33.3	321	40.7
1969.....	972	240	308	228	196	33.6	485	49.9
1970.....	1,043	314	270	256	203	33.2	580	53.6
1971.....	905	340	249	204	202	31.6	504	50.7
1972.....	870	346	213	131	180	29.0	300	34.5
1973.....	614	181	121	107	205	36.5	179	29.1
1974.....	587	154	103	109	201	36.9	135	23.6
1975.....	543	170	100	99	174	36.2	88	15.8
1976.....	432	104	103	93	132	36.1	60	13.9
1977 ¹	536	45	147	134	210	42.8	64	11.9
1978.....	297	-	55	79	163	50.2	78	26.3
1979.....	206	-	-	58	148	(NA)	68	33.0
1980.....	129	-	-	-	129	(NA)	55	42.6
1981, prel.....	93	-	-	-	93	(NA)	39	41.9

- Represents zero. NA Not available. ¹Includes transition quarter, July-Sept. 1978.
Source: U.S. Veterans Administration, *Data on Vietnam Era Veterans*, annual.

NO. 615. VETERANS BENEFITS—EXPENDITURES FROM APPROPRIATED FUNDS, BY WAR: TOTAL AND 1940 TO 1981

[In millions of dollars. For years ending June 30 except, beginning 1977, ending Sept. 30. Refers to expenditures of VA and predecessor agencies. See also *Historical Statistics, Colonial Times to 1970*, series Y 971-983]

PERIOD OR YEAR	Total, all wars	Mexican War and Indian Wars	Civil War	Spanish-American War	World War I	World War II	Korean conflict ¹	Service between Korea and Vietnam only	Vietnam ²	Peace-time
Total	³351,983	191	8,574	5,852	67,284	167,983	31,388	10,238	57,164	13,148
To 1939	³ 18,914	147	8,356	1,537	8,557	(x)	(x)	(x)	(x)	198
1940-1944	3,016	14	102	683	1,840	281	(x)	(x)	(x)	116
1945-1949	27,139	11	49	798	2,783	23,317	(x)	(x)	(x)	181
1950-1954	25,564	7	28	821	4,638	18,878	823	(x)	(x)	369
1955-1959	24,723	5	15	698	6,835	10,958	5,674	(x)	(x)	542
1960-1964	28,488	2	13	528	9,365	13,421	4,142	(x)	(x)	995
1965-1969	34,673	(z)	6	334	9,646	16,732	3,656	1,569	1,331	1,399
1970-1974	57,154	3	5	229	9,564	23,474	4,707	3,498	13,676	1,980
1975-1979	96,085	2	(z)	192	10,256	40,397	8,013	4,029	30,805	4,391
1970	8,905	(z)	1	54	1,944	3,881	698	481	1,328	318
1971	10,240	(z)	1	51	1,917	4,317	865	646	2,083	358
1972	11,314	1	1	45	1,980	4,699	905	728	2,571	384
1973	12,817	1	1	40	1,908	5,138	966	791	3,535	415
1974	13,878	1	1	39	1,835	5,439	1,051	646	4,159	505
1975	16,419	1	(z)	38	1,897	6,196	1,219	1,089	5,392	587
1976	18,798	1	(z)	39	1,861	7,024	1,378	1,246	6,509	740
1977 ⁴	23,063	(z)	(z)	45	2,401	9,616	1,900	617	7,447	1,037
1978	19,529	(z)	(z)	35	2,001	8,421	1,698	532	5,902	952
1979	20,276	(z)	(z)	35	2,096	9,140	1,830	545	5,555	1,075
1980	21,299	(z)	(z)	38	2,083	9,841	2,044	614	5,463	1,238
1981	22,863	(z)	(z)	18	1,727	10,656	2,309	528	5,889	1,738

X Not applicable. Z Less than \$500,000. ¹ June 27, 1950 to Jan. 31, 1955. ² Service from Aug. 5, 1964, to May 7, 1975. ³ Includes \$70 million for the Revolutionary War and \$49 million for the War of 1812. ⁴ 15 months ending Sept. 30.

Source: U.S. Veterans Administration, unpublished data.

NO. 616. VETERANS COMPENSATION AND PENSION BENEFITS—NUMBER ON ROLLS AND AVERAGE PAYMENT, BY PERIOD OF SERVICE AND STATUS: 1960 TO 1981

[As of June 30 except, beginning 1980, as of Sept. 30. Living refers to veterans receiving compensation for disability incurred or aggravated while on active duty and war veterans receiving pension and benefits for nonservice connected disabilities. Deceased refers to deceased veterans whose dependents were receiving pensions and compensation benefits. See also *Historical Statistics, Colonial Times to 1970*, series Y 988-999]

PERIOD OF SERVICE AND VETERAN STATUS	VETERANS ON ROLLS (1,000)						AVERAGE PAYMENT (annual basis) ¹				
	1960	1965	1970	1975	1980	1981	1965	1970	1975	1980	1981
Total	3,990	4,511	4,722	4,855	4,646	4,535	\$909	\$1,198	\$1,496	\$2,370	\$2,684
Living veterans	3,009	3,217	3,181	3,227	3,195	3,154	925	1,159	1,631	2,600	2,932
Service connected	2,027	1,993	2,092	2,220	2,273	2,279	848	1,136	1,699	2,669	3,011
Nonservice connected	982	1,224	1,089	1,006	922	875	1,050	1,204	1,481	2,428	2,726
Deceased veterans	951	1,294	1,541	1,628	1,451	1,381	889	1,000	1,227	1,863	2,117
Service connected	391	365	372	369	358	355	1,284	1,732	2,375	3,801	4,369
Nonservice connected	560	929	1,169	1,259	1,093	1,026	706	788	890	1,228	1,336
Prior to World War I	116	78	48	27	14	12	868	1,012	1,139	1,432	1,563
Living	33	14	4	1	(z)	(z)	1,197	1,618	1,898	2,634	3,359
Deceased	83	64	43	26	14	12	796	950	1,098	1,403	1,549
World War I	1,491	1,673	1,405	1,046	692	630	937	1,030	1,159	1,683	1,821
Living	1,026	1,104	771	430	196	167	1,058	1,228	1,527	2,669	2,957
Deceased	465	568	634	616	494	463	703	789	902	1,268	1,422
World War II	1,964	2,243	2,483	2,612	2,520	2,442	887	1,080	1,476	2,307	2,608
Living	1,633	1,898	1,787	1,880	1,849	1,801	842	1,100	1,566	2,462	2,775
Deceased	331	545	676	732	671	641	943	1,024	1,252	1,880	2,131
Korean conflict ²	253	309	386	428	446	438	1,006	1,268	1,722	2,691	3,073
Living	213	240	265	292	317	317	966	1,284	1,865	2,977	3,383
Deceased	40	69	101	136	129	121	1,157	1,218	1,414	1,980	2,262
Regular establishment	136	209	234	242	312	334	991	1,244	2,066	3,080	3,417
Living	103	161	185	194	262	284	783	1,022	1,886	2,828	3,131
Deceased	32	48	48	48	50	50	1,692	2,095	2,784	4,399	5,033
Vietnam era ³	(x)	(x)	207	500	662	679	(x)	1,556	1,643	2,795	3,163
Living	(x)	(x)	169	430	568	586	(x)	1,411	1,749	2,709	3,066
Deceased	(x)	(x)	38	70	93	93	(x)	2,197	2,418	3,324	3,771

X Not applicable. Z Less than 500. ¹ Averages calculated by multiplying average monthly payment by 12. ² Service during period June 27, 1950, to Jan. 31, 1955. ³ Service from Aug. 5, 1964, to May 7, 1975.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

No. 617. VETERANS BENEFITS—EXPENDITURES, BY PROGRAM: 1970 TO 1981

[In millions of dollars. For years ending June 30 except, beginning 1977, ending Sept. 30. All data are on an accrued expenditure basis.]

PROGRAM	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total ¹	10,201	13,974	15,282	18,003	20,198	20,285	20,937	22,178	23,167	25,203
Compensation and pensions ²	5,330	6,519	6,735	7,551	8,242	9,038	9,630	10,540	11,257	12,482
Educational assistance and readjustment benefits	1,047	2,745	3,269	4,529	5,543	3,891	3,337	2,800	2,383	2,333
Post-Korean veterans education ³	939	2,513	3,088	4,185	5,029	3,587	3,027	2,450	2,088	1,972
Dependents' educational assistance	52	100	116	163	186	202	217	204	194	205
Vocational rehabilitation	42	72	68	73	85	101	100	98	88	114
Automobiles, etc., for disabled veterans	6	7	5	17	19	13	14	12	12	12
Housing for paraplegics	8	13	11	14	14	14	14	23	19	16
Changes in receivables	1	40	63	97	210	-6	-35	15	2	14
Medical services and administ. expenses	42,009	2,988	3,280	3,919	3,997	5,073	5,684	6,208	6,647	7,199
Hospital and domiciliary construction ⁴	75	95	109	138	224	262	288	293	342	458
Insurance and indemnities	1,181	985	1,128	1,345	1,249	1,028	1,009	1,433	1,637	1,883
Loan guaranty revolving fund	249	373	449	423	484	521	514	453	445	553
Direct loans	180	104	82	84	89	97	73	57	49	19
Miscellaneous expenditures	131	206	221	17	340	374	402	396	427	459

¹ Excludes expenditures from personal funds of patients. Includes expenditures from VA Revolving Supply Fund and insurance trust funds. ² Includes expenditures for statutory burial awards, special clothing allowance, mortgage life insurance, invalid life, headstones and markers, and other expenses. ³ Includes Post-Vietnam veterans. ⁴ Includes National Cancer Institute expenditures (transfer to Veterans Administration). ⁵ Includes construction grants for State extended care facilities. 1975 and later years include expenditures for health manpower training facilities.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*.

No. 618. VETERANS BENEFITS—SELECTED FEDERAL EXPENDITURES, STATES AND OTHER AREAS:
1981

[In millions of dollars. Year ending Sept. 30. State data are estimates]

STATE OR OTHER AREA	Total expenditures ¹	Compensation and pensions ²	Education and training ³	Medical services	Insurance and indemnities	STATE OR OTHER AREA	Total expenditures ¹	Compensation and pensions ²	Education and training ³	Medical services	Insurance and indemnities
Total	23,448	12,220	2,178	7,201	1,280	Mont.....	79	42	8	22	5
U.S.	22,937	11,848	2,132	7,117	1,283	Nebr.....	184	75	18	60	8
Ala.....	471	248	60	128	22	Nev.....	87	43	9	27	3
Alaska.....	38	10	4	21	1	N.H.....	100	80	10	21	6
Ariz.....	349	180	46	99	21	N.J.....	509	294	32	128	50
Ark.....	401	215	28	100	14	N. Mex.....	173	100	20	42	8
Calif.....	2,192	1,005	288	720	148	N.Y.....	1,633	814	83	609	101
Colo.....	309	148	44	88	21	N.C.....	617	370	76	144	22
Conn.....	229	113	17	78	19	N. Dak.....	58	25	7	21	4
Del.....	62	27	5	26	4	Ohio.....	871	469	71	261	53
D.C.....	527	45	5	442	3	Okla.....	398	251	36	76	19
Fla.....	1,349	809	117	298	82	Oreg.....	301	142	30	104	15
Ga.....	617	360	63	152	27	Pa.....	1,071	597	59	328	68
Hawaii.....	71	34	14	15	6	R.I.....	111	62	8	35	4
Idaho.....	79	44	10	19	4	S.C.....	325	175	50	78	17
Ill.....	838	335	75	353	63	S. Dak.....	108	42	7	53	4
Ind.....	387	211	41	106	22	Tenn.....	540	279	51	176	18
Iowa.....	258	119	18	86	17	Tex.....	1,579	901	167	408	80
Kans.....	238	110	23	87	14	Utah.....	129	47	18	49	4
Ky.....	377	229	35	94	16	Vt.....	62	31	3	23	2
La.....	408	235	32	112	22	Va.....	628	330	67	150	31
Maine.....	140	84	11	37	6	Wash.....	443	220	64	106	30
Md.....	333	185	34	86	24	W. Va.....	288	131	15	86	10
Mass.....	699	388	45	218	41	Wis.....	412	199	33	143	30
Mich.....	634	363	63	171	30	Wyo.....	51	20	4	25	1
Minn.....	383	184	38	132	24	P. Rico.....	314	206	22	82	2
Miss.....	322	195	21	86	13	Outlying areas.....	4	3	1	-	-
Mo.....	512	258	46	176	28	Foreign.....	194	167	19	2	5

- Represents zero. ¹ Includes expenditures not shown separately. Excludes \$1,754 million, shown in table 617 for expenditures not distributed by States. ² Excludes statutory burial awards and other expenses which are included in table 617. ³ Educational assistance for wives and widows, sons and daughters of deceased or totally disabled veterans, and post-Korean conflict veterans. Excludes benefits paid to disabled veterans training under the Vocational Rehabilitation program.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*.

NO. 619. VETERANS ADMINISTRATION HEALTH CARE SUMMARY: 1975 TO 1981

[For years ending June 30 except, beginning 1980, ending Sept. 30]

ITEM	Unit	1975	1980	1981	ITEM	Unit	1975	1980	1981
Facilities operating:					Inpatients treated ¹	1,000	1,220	1,369	1,380
Hospitals	Number	171	172	172	VA facilities	1,000	1,143	1,275	1,277
Domiciliaries	Number	18	15	15	Other facilities	1,000	77	94	83
Outpatient clinics	Number	213	225	226	Average daily inpatients ²	1,000	114	105	103
Nursing home units	Number	85	92	95	VA facilities	1,000	55	54	52
Employment ¹	1,000	173	194	194	Other facilities	1,000	18	21	21
Operating costs	Mill. dol.	3,481	5,158	5,642	Outpatient medical visits	Million	14.6	18.0	17.9
Medical care	Mill. dol.	3,326	5,072	5,447	VA staff	Million	12.6	15.8	15.9
Research in health care	Mill. dol.	95	138	145	Fee-basis	Million	2.0	2.2	2.1
Other	Mill. dol.	37	48	51	Outpatient dental care:				
Prescriptions dispensed	Million	28.0	36.7	39.3	VA staff-exams	1,000	85.8	157.6	155.5
Laboratory procedures	Million	147	215	218	VA cases completed	1,000	83.7	143.3	156.2
Radiology examinations	Million	5.4	5.7	5.6	Fee-basis authorized	1,000	130.9	108.8	90.6

¹Net full-time equivalent. ²Includes discharges during year and patients remaining.³Patients receiving hospital care and veterans receiving domiciliary care and nursing bed care.Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*.

NO. 620. PATIENTS RECEIVING HEALTH CARE AUTHORIZED BY VETERANS ADMINISTRATION, AND OPERATING EXPENSES OF VA MEDICAL CENTERS: 1960 TO 1981

[In thousands, except as indicated. For years ending June 30 except, beginning 1977, ending Sept. 30. See *Historical Statistics, Colonial Times to 1970*, series Y 1010-1027, for related data.]

ITEM	1960	1969	1976	1975	1977	1978	1979	1980	1981
Patients admitted to hospitals ¹	639.2	628.0	711.3	1,009.8	1,171.0	1,183.5	1,198.1	1,216.4	1,217.3
VA medical centers ²	511.3	502.1	587.0	1,036.1	1,133.4	1,157.7	1,162.5	1,182.8	1,183.5
Psychiatric beds	41.4	57.7	97.3	154.4	189.9	199.1	199.8	180.4	157.9
Medical and surgical beds ³	499.8	544.4	589.7	881.7	973.5	988.5	1,002.8	1,022.1	1,022.6
Non-VA and State hospitals	27.9	25.9	24.3	33.7	37.2	35.9	33.6	33.7	33.8
Patients receiving hospital care (average daily number) ¹	114.4	111.8	87.5	82.3	76.7	74.4	71.0	70.2	69.5
VA medical centers—hospital care component	111.4	109.2	85.5	80.0	75.9	73.0	69.8	69.1	67.4
Psychiatric beds	58.7	55.4	39.5	25.1	23.5	22.8	21.8	21.0	20.5
Medical and surgical beds ⁴	54.7	53.7	48.0	53.9	51.8	50.2	48.2	47.0	46.9
Patients receiving care (average daily number):									
Domiciliary	26.3	23.6	18.7	15.0	14.2	14.0	13.7	12.8	12.0
Veterans Administration	15.9	14.4	12.0	9.2	8.0	8.7	8.4	7.9	7.4
State	9.4	9.1	6.7	5.8	5.2	5.2	5.3	4.9	4.6
Reimbursement by Federal Govt. per patient treated ⁵	(NA)	\$451	\$654	\$768	\$1,226	\$1,029	\$1,022	\$1,006	\$1,159
Nursing bed care	(NA)	.3	9.8	17.0	19.3	20.4	21.0	22.0	22.3
VA medical centers	(NA)	.2	3.8	6.7	7.2	7.4	7.7	7.9	8.1
State homes	(NA)	.2	2.4	4.1	4.6	5.0	5.2	5.8	5.9
Community nursing homes	(NA)	(Z)	3.6	6.2	7.5	8.0	8.1	8.5	8.3
Reimbursement by Federal Govt. per patient treated ⁶									
State ⁷	(NA)	\$267	\$1,024	\$1,151	\$2,599	\$2,123	\$2,073	\$2,067	\$2,543
Community ⁸	(NA)	\$258	\$1,336	\$2,128	\$2,796	\$3,073	\$3,490	\$4,043	\$4,399
Visits by veterans for outpatient medical care	3,611	5,987	7,312	14,830	17,046	17,416	17,282	17,971	17,929
VA medical centers ⁹									
Average operating beds	120	119	103	95	92	90	88	84	82
Psychiatric hospitals	55	58	42	22	19	18	(NA)	(NA)	(NA)
General hospitals	65	63	61	73	73	73	(NA)	(NA)	(NA)
Operating expenses (mil. dol.)	783	946	1,278	2,212	2,839	3,174	3,410	3,639	4,079
Per diem cost	\$16	\$24	\$39	\$78	\$103	\$119	\$134	\$154	\$189
Cost per patient treated	(NA)	(NA)	\$1,524	\$1,964	\$2,346	\$2,583	\$2,772	\$3,077	\$3,267
Operating beds in VA nursing units and domiciliaries	17	17	18	17	18	18	18	18	17

NA Not available. Z Fewer than 50. ¹Includes VA beneficiaries cared for in Army, Navy, other Federal, and State and civil (contract) hospitals; includes nonveterans. Beginning 1970, includes data for State Home hospitals.²Hospital care component. ³Includes tuberculosis patients. ⁴Excludes costs for VA nursing bed care and VA domiciliary care.Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

NO. 621. VA HOSPITALS—COMPENSATION AND PENSION STATUS OF PATIENTS REMAINING AND PATIENTS DISCHARGED: 1981

[In thousands. For years ending Sept. 30]

PATIENT STATUS	Total	WITH DISABILITY—					Non-veterans
		Service connected	Non-service connected				
			Total	On VA pension rolls	With service connected compensable disability ¹	With no pension or compensation	
Patients remaining in hospital, total	65.6	10.4	54.8	17.0	8.8	28.9	.3
General medical and surgical	37.0	3.2	33.8	10.4	6.5	18.7	.2
Psychoses	17.5	6.0	11.5	4.6	1.1	5.8	.1
Other psychiatric	11.0	1.2	9.7	2.1	1.3	6.3	(2)
Patients discharged, total ²	945.0	103.1	828.9	182.6	188.2	469.9	5.8
General medical and surgical	727.4	81.8	680.9	163.4	141.0	356.5	4.4
Psychoses	78.5	29.7	48.3	11.5	6.5	30.3	.8
Other psychiatric	129.9	11.3	118.0	17.5	18.4	82.1	.4
Unknown	8.4	.3	1.8	.4	.3	1.1	(2)

Z Fewer than 50. ¹Compensable disability which did not require medical care. ²Excludes approximately 232,644 one-day dialysis discharges. ³Includes 7,780 patients with compensation and pension status unknown.

NO. 622. VETERANS ASSISTANCE TO PERSONS IN EDUCATION AND TRAINING PROGRAMS: 1970 TO 1981

[In thousands. For years ending June 30, except, beginning 1977, as of Sept. 30. Represents persons in training during year]

PROGRAM	1970	1974	1976	1978	1977	1979	1978	1980	1981
Post-Korean Education Assistance ¹	1,211	2,359	2,882	2,822	1,936	1,522	1,279	1,107	949
Institutions of higher education.....	677	1,333	1,803	1,824	1,380	1,144	988	842	736
Resident schools other than college.....	417	383	420	450	314	211	175	148	122
Correspondence schools.....	417	431	387	302	132	73	51	42	35
On-the-job training.....	117	212	182	146	112	94	84	74	55
Children's Educational Assistance.....	45.4	63.0	71.4	80.7	88.2	86.3	85.7	82.6	82.6
Institutions of higher education.....	40.7	57.1	64.7	73.0	80.3	80.4	77.9	75.5	74.6
Schools other than college.....	4.8	5.5	6.3	7.2	7.4	7.3	7.2	6.5	7.5
Special restorative training.....	1	1	1	1	.1	1	1	1	.1
On-the-job training.....	-	.3	.4	.4	.5	.5	.5	.5	.4
Spouses, Widows/Widowers Educational Assistance Program.....	7.1	13.0	16.5	19.1	19.5	19.4	17.3	13.0	11.9
Institutions of higher education.....	3.9	9.4	12.2	14.5	15.5	15.6	14.0	10.8	10.1
Schools other than college.....	3.2	3.5	4.3	4.5	4.0	3.8	3.2	2.2	1.8
On-the-job training ¹	(2)	1	1	1	(2)	(2)	(2)	(2)	(2)
Vocational Rehabilitation Program for Disabled Veterans.....	24.5	27.0	24.8	29.4	33.2	31.0	29.5	25.5	29.8
Institutions of higher education.....	14.9	18.5	18.6	21.0	25.0	23.2	21.7	18.9	21.7
Schools other than college.....	7.9	5.7	4.9	6.0	7.0	6.5	6.5	6.8	7.0
On-the-job training.....	1.4	1.6	1.3	1.0	1.0	1.2	1.1	1.0	1.0
Institutional on-farm.....	.2	.2	.2	.2	.2	.2	1	.1	.1

- Represents zero. Z Fewer than 50. ¹Includes some Post-Vietnam veterans. ²Includes special restorative training. ³Estimated. ⁴Total includes 1,200 with type of training unknown.

Source of tables 621 and 622: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*.

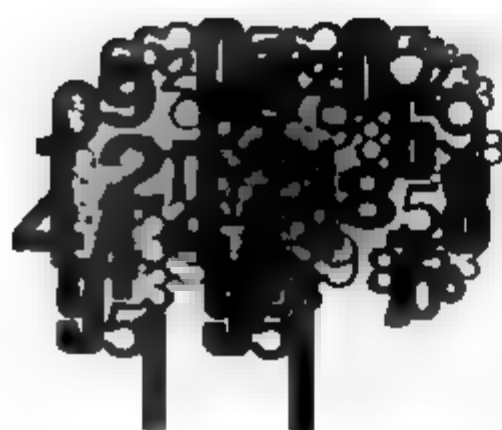
NO. 623. VETERANS GUARANTEED AND INSURED LOANS: 1960 TO 1981

[For years ending June 30 except, beginning 1977, ending Sept. 30. See section 26 for VA loan characteristics]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Number of loans ¹	1,000	176.8	176.3	186.2	290.2	325.7	369.8	380.9	384.6	297.4	187.6
Home.....	1,000	177.2	176.0	186.2	290.2	325.0	379.6	378.6	357.8	280.2	178.2
Amount of loans ¹	Mill. dol.	2,375	2,785	3,869	8,091	9,951	13,136	14,808	16,043	14,815	10,008
Home.....	Mill. dol.	2,369	2,783	3,862	8,072	9,930	13,099	14,548	16,025	14,653	9,822
Guaranty and insurance ¹	Mill. dol.	1,216	1,247	1,871	3,702	4,678	5,951	6,116	7,342	6,370	4,347
Home.....	Mill. dol.	1,215	1,245	1,871	3,096	4,672	5,933	6,086	7,264	6,289	4,278

¹Includes mobile home loans.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*.



Section 13

Labor Force, Employment, and Earnings

This section presents data on the labor force; its distribution by occupation and industry affiliation; and the supply of, demand for, and conditions of labor. The chief sources of these data are the Current Population Survey conducted by the U.S. Bureau of the Census; and the monthly *Employment and Earnings*, the *Monthly Labor Review*, the *Handbook of Labor Statistics*, and the periodic *Special Labor Force Reports*, published by the U.S. Bureau of Labor Statistics. Detailed data on the labor force are also available from the Census Bureau's decennial census of population.

Types of data.—Most statistics in this section are obtained by two methods: household interviews or questionnaires, and reports of establishment payroll records. Each method provides data which the other cannot suitably supply. Population characteristics, for example, are readily obtainable only from the household survey, while detailed industrial classification can be readily derived only from establishment records.

Data based on households are obtained from a monthly sample survey of the population. The Current Population Survey (CPS) is used to gather data for the week including the 12th of the month, and provides current comprehensive data on the labor force (see text, p. 1). CPS provides information on the work status of the population without duplication since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once, according to the job at which they work the most hours during the survey week.

Monthly data from CPS are published by the Bureau of Labor Statistics (BLS) in *Employment and Earnings* and the related reports mentioned above. Data presented include national totals by sex, race, and age, of the number of persons in the civilian labor force; the number employed, hours of work, industry and occupational groups; and the number unemployed, reasons for, and duration of, unemployment. Annual data shown in this section are averages of monthly figures for each calendar year, unless otherwise specified.

In addition to monthly national data, CPS also produces annual estimates of employment and unemployment for each State and the 30 largest standard metropolitan statistical areas (SMSA's). These estimates are published by BLS in its annual *Geographic Profile of Employment and Unemployment*. More detailed geographic data (e.g., for counties and cities) are provided by the decennial population censuses.

Data based on establishment records are compiled by BLS and cooperating State agencies as part of an ongoing Current Employment Statistics Program. Data, gathered from a sample of employers who voluntarily complete mail questionnaires monthly, are supplemented by data from other government agencies and adjusted at intervals to data from government social insurance program reports. The estimates exclude proprietors of unincorporated firms, self-employed persons, private household workers, unpaid family workers, agricultural workers, and the Armed Forces. In March 1981, reporting establishments employed 11 million manufacturing workers (55 percent of the total manufacturing employment at the time), 13 million workers in nonmanufacturing industries (25 percent of the total in nonmanufacturing), and 11 million Federal, State, and local government employees (69 percent of total government).

The establishment survey counts workers each time they appear on a payroll during the reference week (as with CPS, the week including the 12th of the month). Thus, unlike CPS, a person with two jobs is counted twice.

The establishment survey is designed to provide detailed industry information for the Nation, States, and metropolitan areas on nonagricultural wage and salary employment, average weekly hours, average hourly and weekly earnings, and labor turnover. However, with the release of 1981 annual data, the labor turnover series was discontinued. Establishment survey data are published in *Employment and Earnings* and *Monthly Labor Review*, cited above. Historical data, in geographic detail, are shown in BLS Bulletin No. 1370-13, *Employment and Earnings, States and Areas, 1839-78*; BLS Bulletin No. 1370-15 *Supplement to Employment and Earnings, States and Areas, Data for 1977-1980*; and in the *Handbook of Labor Statistics*.

Labor force.—According to CPS definitions, the total labor force comprises the Armed Forces and the civilian labor force. The latter comprises all civilians in the noninstitutional population 16 years and over classified according to the criteria below: Employed persons comprise (a) all civilians who, during the reference week, did any work for pay or profit (minimum of an hour's work) or worked 15 hours or more as unpaid workers in a family enterprise, and (b) all persons who were not working but who had jobs or businesses from which they were temporarily absent for noneconomic reasons (illness, bad weather, vacation, labor-management dispute, etc.). Unemployed persons comprise all civilians who had no employment during the reference week, who made specific efforts to find a job within the previous four weeks (such as applying directly to an employer, or to a public employment service, or checking with friends) and who were available for work during that week. Persons on layoff from a job or waiting to report to a new job within 30 days are also classified as unemployed. All other persons, 16 years old and over, are "not in the labor force."

Beginning in 1982, changes in the estimation procedures and the introduction of 1980 census data caused substantial increases in the population and estimates of persons in all labor force categories. Rates on labor force characteristics, however, were essentially unchanged. In order to avoid major breaks in series, some 30,000 labor force series were adjusted back to 1970. The effect of the 1982 revisions on various data series and an explanation of the adjustment procedure used are described in "Revisions in the Current Population Survey in January 1982", in the February 1982 issue of *Employment and Earnings*. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1978 that are described above, and data users should make allowances for them in making certain data comparisons.

Hours and earnings.—Average hourly earnings, based on establishment data, are gross earnings (i.e., earnings before payroll deductions) and include overtime premiums; they exclude irregular bonuses and value of payments in kind. Hours are those for which pay was received. Wages and salary from the CPS consist of total money received for work performed by an employee during the income year. It includes wages, salary, Armed Forces pay, commissions, tips, piece-rate payments, and cash bonuses earned before deductions were made for taxes, bonds, union dues, etc. Persons who worked 35 hours or more are classified as working full-time (see table 644).

Industrial and occupational groups.—Establishments responding to the establishment survey are classified into industries on the basis of their principal product or activity (determined by annual sales volume) in accordance with the *Standard Industrial Classification (SIC) Manual*, Office of Management and Budget; 1972 is the latest issue. The SIC is a classification structure for the entire national economy. The structure provides data on a division and industry code basis, according to the level of industrial detail. For example, manufacturing is a major industrial division; food and kindred products (code 20) is one of its major groups. One of the ways this group is further divided is into meat products (code 201) and meat packing plants (code 2011). Periodically, the SIC is revised to reflect changes in the industrial composition of the economy.

Changes in occupational and industry groupings used in classifying data from the CPS household interviews were caused by the comprehensive revision in classification of occupations and industries for the 1970 census, and from inclusion of a question on major activities or duties in the December 1971 CPS. As a result, comparisons of occupational employment levels between 1971–1972 and prior periods and between those two years should be made with caution. The 1972 data, however, are comparable with those for later years.

Productivity.—BLS publishes measures of productivity under two major programs which measure the relationship between production and one factor of input, labor time. The first program is concerned with measures relating to private business as a whole and its various subsectors; the second provides measures for selected specific industries and various functional areas of the Federal civilian government. Data for the first program are published quarterly in the BLS press releases, *Productivity and Costs: Private Business, Nonfarm Business, and Manufacturing Sectors*, and *Productivity and Costs: Nonfinancial Corporate Sector*. Data for the second program are published annually in the BLS Bulletin, *Productivity Indexes for Selected Industries*. Conceptual and background information concerning the Federal-sector measures appears in *Monthly Labor Review*, Nov. 1974. Detailed information on methods, limitation, and data sources for both programs appears in *BLS Handbook of Methods*, BLS Bulletin 1910 (1976), chapters 30 and 31.

Labor turnover.—Labor turnover is the gross movement of wage and salary workers into and out of employed status with respect to individual establishments. This movement, relating to a calendar month, is divided into two broad types: Accessions (new hires and rehires), and separations (quits, layoffs, and terminations). The data cover all workers, temporary or permanent, and full- or part-time.

Unions.—As defined here, unions include all affiliates of the AFL–CIO, all unaffiliated national unions, and all unaffiliated unions which are party to collective bargaining agreements with different

employers in more than one State. The definition excludes unions whose activities are confined to a single locality or to a single employer. In addition, BLS accounts for all unions of Federal Government employees that have received exclusive recognition. Collective bargaining settlements data are available for unions of 1,000 members or more.

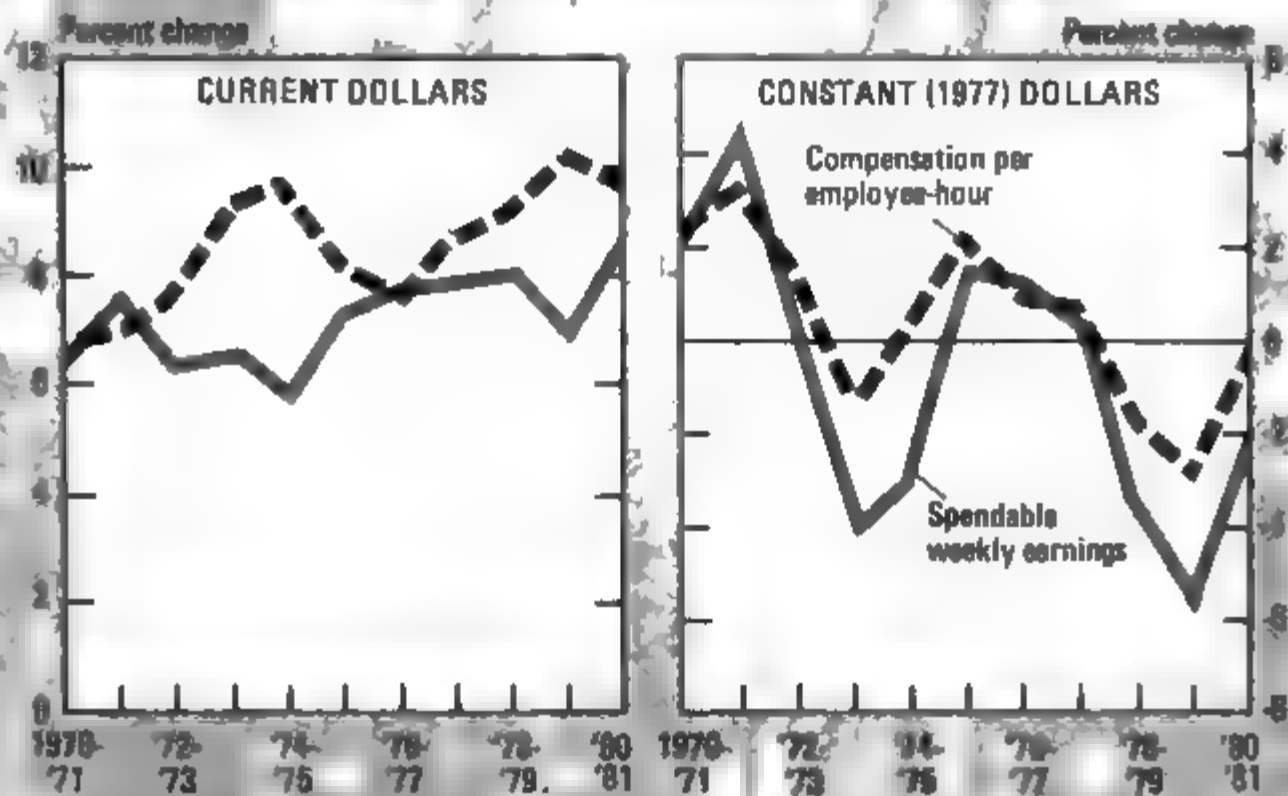
Work stoppages.—Work stoppages include all strikes and lockouts known to BLS and its cooperating agencies which last for at least one full day or shift and involve six or more workers. All stoppages, whether or not authorized by a union, legal or illegal, are counted. Excluded are work slowdowns and instances where employees report to work late, or leave early, to attend mass meetings or mass rallies.

Seasonal adjustment.—Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation (e.g., climate or school openings and closings), it is possible to observe the cyclical and other non-seasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors, but also are affected by the uncertainties of the adjustment process itself.

Statistical reliability.—For discussion of statistical collection, estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau and BLS data, see Appendix III.

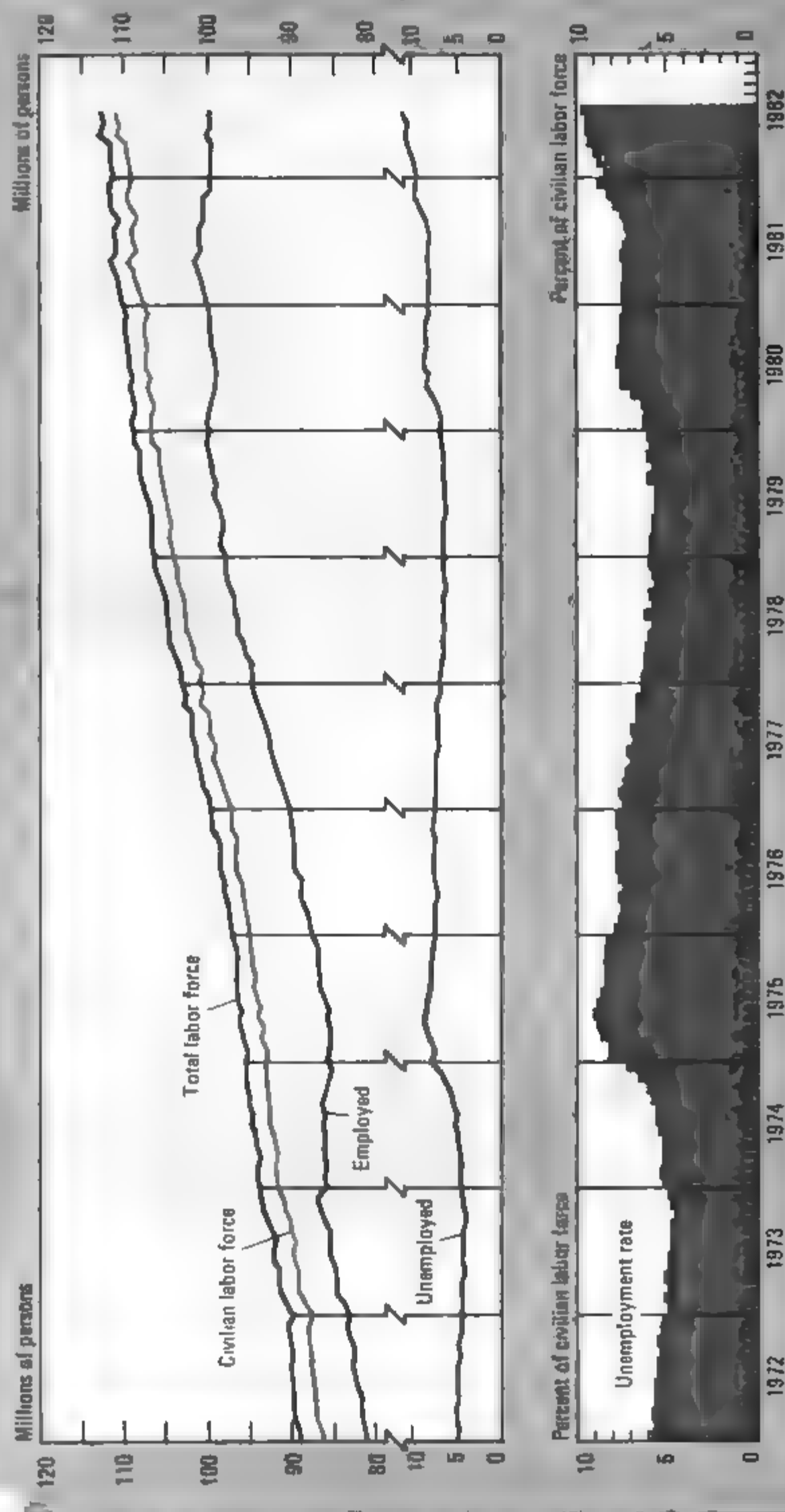
Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I

Figure 13.1
Earnings and Compensation—Annual Percent Change 1970 to 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1402.

Figure 13.2
Trends in the Labor Force: 1972 to 1982



Sources. Chart prepared by U.S. Bureau of the Census. For data, see table 626.

**No. 624. EMPLOYMENT STATUS OF THE NONINSTITUTIONAL POPULATION 16 YEARS OLD AND OVER:
1947 TO 1982**

(In millions, except as indicated. Annual averages of monthly figures, except as indicated. Based on Current Population Survey, see Appendix B. See also *Historical Statistics, Colonial Times to 1970*, series D 11-19 and D 85-86)

YEAR	Total non-institutional population	TOTAL LABOR FORCE ¹		Armed Forces	CIVILIAN LABOR FORCE							NOT IN LABOR FORCE				
		Number	Average annual percent change ²		Total		Employed			Unemployed			Total ⁴	Keeping house	Going to school	Unable to work
					Number	Percent to male	Total	Agri-culture	Non-agri-cultural industries	Total	15 weeks or longer	Percent of civilian labor force				
1947	103.4	60.9	(x)	1.6	59.4	28.1	57.0	7.9	49.1	2.3	(NA)	3.9	42.5	(NA)	(NA)	(NA)
1950	106.6	63.9	1.5	1.6	62.2	29.6	58.9	7.2	51.8	3.3	.6	5.3	42.8	(NA)	(NA)	(NA)
1955	112.7	68.1	1.3	3.0	65.0	31.6	62.2	8.5	55.7	2.9	.7	4.4	44.7	(NA)	(NA)	(NA)
1960	119.6	72.1	1.2	2.5	68.6	33.4	65.8	5.5	60.3	3.9	1.0	5.5	47.6	(NA)	(NA)	(NA)
1965	129.2	77.2	1.4	2.7	74.5	35.2	71.1	4.4	66.7	3.4	.8	4.5	52.1	(NA)	(NA)	(NA)
1966	131.2	78.9	2.2	3.1	76.6	36.0	72.9	4.0	68.9	2.9	.6	3.8	52.3	(NA)	(NA)	(NA)
1967	133.3	80.6	2.4	3.4	77.3	36.7	74.4	3.8	70.5	3.0	.4	3.8	52.5	35.0	6.7	2.3
1968	135.6	82.3	1.8	3.5	78.7	37.1	75.9	3.8	72.1	2.8	.4	3.6	53.3	35.2	6.9	2.3
1969	137.8	84.2	2.3	3.5	80.7	37.8	77.9	3.6	74.3	2.8	.4	3.5	53.6	34.9	7.0	2.3
1970	140.3	86.0	2.0	3.2	82.8	38.1	78.7	3.5	75.2	4.1	7	4.9	54.3	35.1	7.0	2.4
1971	143.0	87.2	1.4	2.8	84.4	38.2	79.4	3.4	76.0	5.0	1.2	5.8	55.8	35.8	7.8	2.8
1972	146.6	89.5	2.6	2.4	87.0	38.5	82.2	3.5	78.7	4.9	1.2	5.6	57.1	36.0	7.5	2.6
1973	149.4	91.8	2.5	2.3	89.4	38.9	85.1	3.5	81.6	4.4	.8	4.9	57.7	35.7	7.3	2.8
1974	152.3	94.2	2.6	2.2	91.9	39.4	86.8	3.5	83.3	5.2	1.0	5.6	58.2	35.3	8.0	2.9
1975	155.3	96.0	1.9	2.2	93.8	40.0	88.8	3.4	82.4	7.9	2.5	8.5	59.4	35.4	7.7	3.0
1976	158.3	98.3	2.4	2.1	96.2	40.5	89.8	3.3	86.5	7.4	2.4	7.7	60.0	34.8	7.8	2.9
1977	161.2	101.1	2.8	2.1	99.0	41.0	92.0	3.3	86.7	7.0	1.9	7.1	60.0	34.5	7.7	2.8
1978	164.0	104.4	3.1	2.1	102.3	41.7	96.0	3.4	92.7	6.2	1.4	6.1	60.7	33.7	7.5	2.8
1979	167.0	107.1	2.5	2.1	105.0	42.1	96.8	3.3	95.5	6.1	1.2	5.8	60.9	33.1	7.4	2.9
1980	169.9	109.0	1.8	2.1	108.9	42.5	99.3	3.4	95.9	7.6	1.9	7.1	60.8	32.6	7.7	2.8
1981	172.3	110.8	1.6	2.1	108.7	43.0	100.4	3.4	97.0	8.3	2.3	7.6	61.5	32.3	7.8	2.7
1982, June ⁵	174.4	112.4	1.8	2.2	110.2	43.4	99.8	3.4	96.4	10.4	3.7	9.5	62.0	(NA)	(NA)	(NA)
PERCENT DISTRIBUTION																
1947	100.0	58.9	(x)	1.6	57.4	(x)	55.2	7.6	47.5	2.2	(NA)	(x)	41.1	(NA)	(NA)	(NA)
1950	100.0	58.9	(x)	1.5	58.3	(x)	55.3	6.8	48.6	3.1	7	(x)	40.1	(NA)	(NA)	(NA)
1955	100.0	60.4	(x)	2.7	57.7	(x)	55.1	5.7	49.4	2.5	.8	(x)	39.6	(NA)	(NA)	(NA)
1960	100.0	60.2	(x)	2.1	58.1	(x)	54.9	4.6	50.4	3.2	.8	(x)	39.8	(NA)	(NA)	(NA)
1965	100.0	59.7	(x)	2.1	57.6	(x)	55.0	3.4	51.6	2.6	.8	(x)	40.3	(NA)	(NA)	(NA)
1966	100.0	60.1	(x)	2.4	57.8	(x)	55.8	3.0	52.5	2.2	.4	(x)	39.9	(NA)	(NA)	(NA)
1967	100.0	60.6	(x)	2.6	58.0	(x)	56.6	2.9	52.9	2.2	.3	(x)	39.4	26.2	5.0	1.6
1968	100.0	60.7	(x)	2.8	58.1	(x)	56.0	2.8	53.2	2.1	.3	(x)	39.3	25.0	5.1	1.7
1969	100.0	61.1	(x)	2.5	58.6	(x)	56.5	2.6	53.9	2.1	.3	(x)	38.9	25.3	5.1	1.7
1970	100.0	61.3	(x)	2.3	59.0	(x)	56.1	2.5	53.6	2.9	.5	(x)	38.7	25.0	5.0	1.7
1971	100.0	61.0	(x)	2.0	59.0	(x)	55.5	2.4	53.1	3.5	.8	(x)	39.0	24.9	5.3	1.8
1972	100.0	61.1	(x)	1.7	59.4	(x)	56.0	2.4	53.7	3.9	.8	(x)	39.0	24.5	5.1	1.8
1973	100.0	61.4	(x)	1.6	59.8	(x)	56.9	2.3	54.6	2.9	.8	(x)	38.6	23.9	6.0	1.9
1974	100.0	61.8	(x)	1.5	60.4	(x)	57.0	2.3	54.7	3.4	.8	(x)	38.2	23.2	5.8	2.0
1975	100.0	61.8	(x)	1.4	60.4	(x)	55.3	2.2	53.1	6.1	1.6	(x)	38.2	22.8	5.0	1.9
1976	100.0	62.1	(x)	1.4	60.7	(x)	56.1	2.1	54.0	4.7	1.5	(x)	37.9	22.0	4.9	1.8
1977	100.0	62.8	(x)	1.3	61.4	(x)	57.1	2.0	55.1	4.9	1.2	(x)	37.2	21.4	4.8	1.8
1978	100.0	63.9	(x)	1.3	62.3	(x)	58.6	2.1	55.5	3.8	.9	(x)	36.4	20.5	4.6	1.7
1979	100.0	64.1	(x)	1.3	62.9	(x)	59.2	2.0	57.2	3.7	.7	(x)	35.9	19.8	4.4	1.7
1980	100.0	64.2	(x)	1.2	63.0	(x)	59.6	2.0	56.6	4.5	1.1	(x)	35.6	19.3	4.5	1.7
1981	100.0	64.3	(x)	1.2	63.1	(x)	60.3	2.0	56.3	4.8	1.3	(x)	35.7	18.7	4.6	1.6
1982, June ⁵	100.0	64.4	(x)	1.2	63.2	(NA)	57.2	1.8	55.3	6.0	2.1	(x)	35.6	(NA)	(NA)	(NA)

NA Not available. X Not applicable. ¹Includes Armed Forces. ²Change from prior year shown, except as indicated. For explanation of average annual percent change, see Guide to Tabular Presentation. ³Includes "other reasons," not shown separately. ⁴Except population, seasonally adjusted. ⁵Average annual change from June 1981.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 625. EMPLOYMENT STATUS OF THE POPULATION, BY SEX AND RACE: 1960 TO 1982

(Persons 15 years old and over. Annual averages of monthly figures, except as indicated. See Appendix III for methodology. See also *Historical Statistics, Colonial Times to 1870*, series D 11-19 and D 65-69.)

YEAR OR PERIOD, SEX, AND RACE	Total noninstitutional population ¹ (1,000)	TOTAL LABOR FORCE ²		CIVILIAN LABOR FORCE					NOT IN LABOR FORCE	
		Total (1,000)	Per- cent of popu- lation	Total (1,000)	Em- ployed (1,000)	Em- ploy- ment/ popula- tion ratio ³	Unemployed		Total (1,000)	Per- cent of popu- lation
							Total (1,000)	Rate ⁴		
Total: 1960	119,759	72,142	60.2	69,628	65,778	54.9	3,852	5.5	47,617	39.8
1965	129,236	77,178	59.7	74,455	71,088	55.0	3,366	4.5	52,058	40.3
1970	140,272	85,859	61.3	82,771	78,678	56.1	4,093	4.9	54,315	38.7
1973	149,423	91,758	61.4	84,429	80,084	56.9	4,345	4.9	57,867	38.6
1974	152,349	94,179	61.8	91,949	86,794	57.0	5,155	5.6	58,171	38.2
1975	155,333	95,955	61.8	93,775	88,848	56.9	7,929	6.5	59,377	38.2
1976	158,294	98,302	62.1	96,158	90,752	56.1	7,406	7.7	59,991	37.9
1977	161,186	101,142	62.8	98,009	92,017	57.1	5,991	7.1	60,025	37.2
1978	164,027	104,388	63.6	102,251	96,048	56.6	6,202	6.1	59,859	36.4
1979	166,951	107,050	64.1	104,962	98,824	59.2	6,137	5.8	59,900	35.9
1980	169,848	109,042	64.2	106,940	99,303	58.5	7,637	7.1	60,806	35.8
1981	172,272	110,812	64.3	108,670	100,397	58.3	8,273	7.6	61,480	35.7
1982, June ⁵	174,364	112,364	64.4	110,181	99,784	57.2	10,427	9.5	61,999	35.6
White: 1960	58,144	48,870	84.0	46,388	43,904	75.6	2,486	5.4	9,274	16.0
1965	62,473	50,946	81.5	48,255	46,340	74.2	1,914	4.0	11,527	18.5
1970	67,452	54,376	80.6	51,228	48,690	72.6	2,238	4.4	13,076	19.4
1973	71,567	58,900	79.5	54,824	52,348	73.1	2,275	4.2	14,667	20.5
1974	72,971	57,902	79.3	55,739	53,024	72.7	2,714	4.9	15,089	20.7
1975	74,383	58,980	78.5	56,299	51,957	69.7	4,442	7.9	16,993	21.5
1976	75,798	59,212	78.1	57,174	53,138	70.1	4,036	7.1	16,585	21.9
1977	77,211	60,414	78.2	58,398	54,728	70.9	3,669	6.3	16,787	21.8
1978	78,599	61,813	78.4	59,820	56,479	71.9	3,142	5.3	16,956	21.6
1979	79,986	62,676	78.4	60,726	57,807	72.0	3,120	5.1	17,293	21.6
1980	81,341	63,386	77.9	61,453	57,186	70.3	4,267	6.9	17,945	22.1
1981	82,476	63,989	77.6	61,974	57,397	69.8	4,577	7.4	18,537	22.5
1982, June ⁵	83,484	64,270	77.0	62,267	58,223	67.4	6,045	9.7	19,193	23.0
Black and other: 1960	5,595	(NA)	83.0	4,645	4,148	74.1	497	10.7	951	17.0
1965	6,330	5,084	80.3	4,855	4,498	71.0	356	7.4	1,246	19.7
1970	7,112	5,520	77.6	5,194	4,813	67.7	380	7.3	1,592	22.4
1973	8,025	6,018	75.0	5,705	5,265	65.6	440	7.7	2,007	25.0
1974	8,343	6,222	74.6	5,895	5,352	64.1	544	8.2	2,121	25.4
1975	8,653	6,319	73.0	5,978	5,161	59.8	815	13.6	2,334	27.0
1976	8,971	6,484	72.3	6,141	5,363	59.8	779	12.7	2,487	27.7
1977	9,251	6,722	72.7	6,362	5,579	60.3	784	12.3	2,529	27.3
1978	9,559	7,048	73.7	6,585	5,896	62.1	731	11.0	2,512	26.3
1979	9,862	7,279	73.7	6,870	6,155	62.3	714	10.4	2,603	26.3
1980	10,201	7,417	72.7	6,980	6,059	59.4	922	13.2	2,784	27.3
1981	10,482	7,529	71.8	7,079	6,083	58.0	997	14.1	2,953	28.2
1982, June ⁵	10,730	7,715	71.9	7,256	5,938	55.3	1,319	18.2	3,015	28.1
Female: 1960	61,615	23,272	37.8	23,240	21,674	35.5	1,366	5.9	38,343	62.2
1965	66,763	26,232	39.3	26,200	24,748	37.1	1,452	5.5	40,531	60.7
1970	72,822	31,583	43.4	31,543	29,686	40.8	1,855	5.9	41,239	56.6
1973	77,855	34,855	44.8	34,804	32,715	42.0	2,089	6.0	43,000	55.2
1974	79,379	36,278	45.7	36,211	33,789	42.5	2,441	6.7	43,101	54.3
1975	80,948	37,585	46.4	37,475	33,989	42.0	3,486	8.3	43,386	53.6
1976	82,498	39,089	47.4	38,983	35,615	43.2	3,368	8.6	43,406	52.6
1977	83,955	40,728	48.5	40,613	37,289	44.4	3,324	8.2	43,227	51.5
1978	85,459	42,755	50.0	42,631	38,569	45.3	3,061	7.2	42,703	50.0
1979	86,983	44,375	51.0	44,235	41,217	47.4	3,018	6.8	42,608	49.0
1980	88,507	45,646	51.6	45,487	42,117	47.6	3,370	7.4	42,861	48.4
1981	89,796	46,873	52.2	46,698	43,000	47.9	3,698	7.9	42,922	47.8
1982, June ⁵	90,900	48,094	52.9	47,904	43,541	47.9	4,362	9.1	42,806	47.1
Black and other: 1960	6,369	(NA)	48.2	3,089	2,779	43.6	290	9.4	3,300	51.8
1965	7,133	3,457	48.6	3,484	3,147	44.1	317	9.2	3,686	51.4
1970	8,127	4,026	49.6	4,024	3,860	44.9	374	9.3	4,089	50.4
1973	9,294	4,582	49.3	4,575	4,092	44.0	484	10.6	4,712	50.7
1974	9,699	4,782	49.3	4,772	4,258	43.9	514	10.8	4,917	50.7
1975	10,068	4,962	49.5	4,967	4,274	42.5	692	13.9	5,085	50.5
1976	10,434	5,269	50.5	5,260	4,538	43.5	713	13.6	5,185	49.5
1977	10,784	5,527	51.3	5,505	4,739	43.9	766	13.9	5,257	48.7
1978	11,147	5,976	53.6	5,951	5,177	46.4	774	13.9	5,170	46.4
1979	11,528	6,200	53.8	6,188	5,406	46.9	782	12.3	5,328	46.2
1980	11,900	6,400	53.8	6,359	5,529	46.5	830	13.1	5,489	46.2
1981	12,239	6,586	53.8	6,539	5,806	46.8	933	14.3	5,851	46.2
1982, June ⁵	12,548	6,746	53.8	6,691	5,823	44.8	1,069	16.0	5,800	46.2

NA Not available. ¹Includes Armed Forces. ²Civilian employed as percent of noninstitutional population. ³Percent of civilian labor force. ⁴Seasonally adjusted, except population figure. ⁵Race other than White.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 626. CIVILIAN LABOR FORCE AND PARTICIPATION RATES, BY RACE, SEX, AND AGE: 1960 TO 1981

Persons 16 years old and over. Labor force data are annual averages of monthly figures. Rates are based on annual average civilian noninstitutional population of each specified group and represent proportion of each specified group in the civilian labor force. See also *Historical Statistics, Colonial Times to 1970*, series D 42-48.

RACE, SEX, AND AGE	CIVILIAN LABOR FORCE (millions)							PARTICIPATION RATES (percent)						
	1960	1965	1970	1975	1979	1980	1981	1960	1965	1970	1975	1979	1980	1981
Total	88.6	74.5	82.8	89.8	100.0	104.9	104.7	59.4	58.9	60.4	61.2	63.7	64.8	63.9
White	61.9	55.1	73.6	82.8	91.9	93.6	95.1	58.8	58.4	60.2	61.5	63.9	64.1	64.3
Male	41.7	43.4	46.0	50.3	53.9	54.5	54.9	63.4	60.8	60.0	78.7	78.6	78.2	77.9
Female	20.2	22.7	27.5	32.5	38.1	39.1	40.2	36.5	38.1	42.6	45.9	50.5	51.2	51.9
Black and other	7.7	8.3	9.2	10.9	13.0	13.3	13.6	64.5	62.9	61.8	58.6	62.2	61.7	61.3
Male	4.6	4.9	5.2	6.0	6.9	7.0	7.1	83.0	79.6	78.5	71.9	72.5	71.5	70.6
Female	3.1	3.5	4.0	5.0	6.2	6.4	6.5	46.2	46.6	49.5	49.4	53.7	53.6	53.6
Male	46.4	48.3	51.2	58.3	60.7	61.5	62.0	63.3	60.7	79.7	77.9	77.6	77.4	77.0
16-19 years	2.6	3.4	4.0	4.8	5.1	5.0	4.8	56.2	53.6	56.1	59.1	61.5	60.5	60.0
18-17 years	1.3	1.5	1.8	2.1	2.2	2.1	2.0	46.0	43.9	47.0	48.6	51.6	50.1	47.9
18-19 years	1.5	1.9	2.2	2.7	2.9	2.9	2.8	66.3	65.9	66.7	70.6	71.9	71.3	70.4
20-24 years	4.1	4.9	5.7	7.8	8.5	8.6	8.6	66.1	65.8	63.3	64.5	66.4	65.9	65.5
25-34 years	10.3	9.9	11.3	14.2	16.4	17.0	17.5	67.5	67.3	66.4	66.2	65.9	65.2	64.9
35-44 years	11.0	11.1	10.5	10.4	11.5	11.8	12.2	67.7	67.3	66.9	65.6	65.7	65.5	65.4
45-54 years	9.8	10.0	10.4	10.4	10.0	9.9	9.9	65.7	65.8	64.3	62.1	61.4	61.2	61.4
55-64 years	6.4	6.8	7.1	7.0	7.2	7.2	7.2	66.8	64.6	63.0	75.6	72.8	72.1	70.6
65 yr. and over	2.3	2.1	2.2	1.9	1.9	1.8	1.9	33.1	27.9	26.8	21.6	19.9	19.0	18.4
Female	28.2	28.2	31.5	37.5	44.2	45.5	46.7	37.7	39.3	43.3	46.3	50.9	51.5	52.1
16-19 years	2.1	2.5	3.2	4.1	4.5	4.4	4.2	59.3	56.0	44.0	48.1	54.2	52.6	51.8
18-17 years	.8	1.3	1.3	1.7	1.9	1.8	1.7	29.1	27.7	34.9	40.2	46.6	43.6	42.5
18-19 years	1.3	1.6	1.9	2.4	2.6	2.6	2.5	50.9	49.3	53.5	58.1	62.7	61.9	60.9
20-24 years	2.8	3.4	4.9	6.2	7.2	7.3	7.5	46.1	49.9	57.7	64.1	69.0	68.9	68.8
25-34 years	4.1	4.3	5.7	6.7	11.6	12.3	12.9	36.0	36.5	45.0	54.9	63.9	65.5	66.7
35-44 years	5.3	5.7	6.0	6.5	8.2	8.6	9.0	43.4	46.1	51.1	55.8	63.6	65.6	66.8
45-54 years	5.3	5.7	6.5	6.7	6.9	7.0	7.1	49.8	50.9	54.4	54.6	58.3	59.0	61.1
55-64 years	3.0	3.6	4.2	4.3	4.7	4.7	4.8	37.2	41.1	43.0	40.9	41.7	41.3	41.4
65 yr. and over	.9	1.0	1.1	1.0	1.2	1.2	1.2	10.8	10.0	9.7	8.2	8.3	8.1	8.0

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 627. LABOR FORCE—PERCENT DISTRIBUTION, BY SEX AND AGE: 1960 TO 1981

(Annual average of monthly figures, includes Armed Forces at home and abroad. See *Historical Statistics, Colonial Times to 1970*, series D 29-41, for similar but not exactly comparable data.)

YEAR AND SEX	Total labor force (1,000)	PERCENT DISTRIBUTION						
		16-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65 yr. and over
Total: 1960	72,142	7.3	10.6	20.9	23.1	20.7	13.0	4.4
1965	77,178	6.2	12.1	19.4	22.3	20.5	13.4	4.0
1970	86,959	5.9	14.3	20.6	19.6	19.8	13.1	3.7
1975	96,956	9.7	15.1	24.2	18.0	18.1	11.8	3.1
1977	101,142	9.6	15.3	25.5	18.1	17.0	11.5	2.9
1978	104,368	9.6	15.3	25.8	18.4	16.5	11.3	3.0
1979	107,050	9.3	15.3	26.3	18.6	16.1	11.2	2.9
1980	109,042	8.9	15.2	27.0	19.2	15.9	11.0	2.8
1981	110,812	8.4	15.3	28.0	19.4	15.3	10.8	2.7
Male: 1960	48,870	6.5	10.4	22.4	29.2	19.7	13.1	4.7
1965	50,946	7.5	11.6	20.8	22.8	19.9	13.3	4.2
1970	54,376	6.1	13.6	22.0	19.9	19.3	13.1	4.0
1975	58,390	8.9	14.2	25.1	18.3	18.1	12.1	3.3
1977	60,414	8.9	14.5	26.1	18.3	17.2	11.8	3.1
1978	61,813	8.8	14.6	26.3	18.6	16.6	11.7	3.2
1979	62,676	8.8	14.6	26.7	18.9	16.4	11.6	3.1
1980	63,398	8.4	14.5	27.3	19.2	16.1	11.5	3.0
1981	63,939	7.8	14.7	28.3	19.4	15.6	11.2	2.9
Female: 1960	23,272	8.9	11.1	17.6	22.8	22.7	12.8	3.9
1965	26,232	9.8	12.9	18.5	21.8	21.8	13.7	3.7
1970	31,583	10.3	15.5	18.1	19.9	20.7	13.2	3.3
1975	37,566	10.9	16.5	22.8	17.5	18.0	11.4	2.8
1977	40,728	10.7	16.5	24.7	17.9	16.7	10.9	2.7
1978	42,755	10.7	16.5	25.2	18.2	16.1	10.6	2.7
1979	44,375	10.3	16.3	25.7	18.7	15.8	10.5	2.6
1980	45,648	9.7	16.0	26.6	19.2	15.8	10.3	2.6
1981	46,873	9.0	16.1	27.7	19.3	16.2	10.2	2.5

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 625. CHARACTERISTICS OF THE CIVILIAN LABOR FORCE, BY STATE: 1961

(In thousands, except rate and ratio. Persons 16 years old and over. Annual averages of monthly figures. U.S. totals derived by independent population controls; therefore State data may not add to U.S. totals)

STATE	TOTAL		EMPLOYED		Em- ployed/ popu- lation ratio ¹	UNEMPLOYED					PARTICI- PATION RATE ²	
	Num- ber	Fe- male	Total	Fe- male		Total		Rate ³			Male	Fe- male
						Num- ber	Fe- male	Total	Male	Fe- male		
U.S.	108,570	46,896	100,397	43,080	59.3	8,273	3,896	7.8	7.4	7.9	77.6	82.1
Ala.	1,865	719	1,488	632	52.0	176	87	10.7	9.8	12.0	71.2	47.6
Alaska	192	82	174	76	64.8	18	8	9.3	10.4	7.7	62.7	60.4
Ariz.	1,266	542	1,187	506	58.1	78	38	6.1	5.7	6.7	75.1	50.1
Ark.	1,020	457	936	411	55.7	94	48	9.1	8.3	10.1	72.9	51.0
Calif.	11,761	5,113	10,906	4,736	60.5	672	375	7.4	7.5	7.3	77.5	54.3
Colo.	1,320	653	1,445	616	60.4	64	37	5.5	5.4	5.7	63.3	56.0
Conn.	1,586	694	1,401	643	62.3	96	51	6.2	5.3	7.4	79.2	55.1
Del.	298	125	265	114	59.4	23	11	7.9	7.1	9.0	77.5	52.9
D.C.	312	157	284	144	56.8	28	13	9.0	9.6	8.4	66.7	58.6
Fla.	4,513	1,986	4,206	1,847	53.3	308	140	6.8	6.6	7.1	68.4	47.3
Ga.	2,586	1,156	2,430	1,070	60.7	166	87	6.4	5.4	7.5	77.4	53.9
Hawaii	449	212	425	202	68.1	24	10	5.4	5.8	4.9	74.9	69.5
Idaho	427	175	395	182	59.2	32	13	7.6	7.7	7.4	78.4	50.6
Ill.	5,577	2,402	5,103	2,188	60.0	474	204	8.5	8.5	8.5	79.8	53.2
Ind.	2,617	1,123	2,363	1,004	58.5	263	119	10.1	9.7	10.6	79.1	52.6
Iowa	1,416	596	1,320	558	61.5	98	40	6.9	7.0	6.8	79.6	53.5
Kans.	1,168	519	1,138	497	65.0	50	22	4.2	4.2	4.3	78.1	57.3
Ky.	1,862	694	1,522	631	57.1	140	63	8.4	7.9	9.0	76.2	49.7
La.	1,857	766	1,700	691	55.8	156	75	8.4	7.5	9.8	76.3	47.4
Maine	506	217	472	200	56.8	37	17	7.2	6.7	7.9	72.8	50.0
Md.	2,184	951	2,007	880	62.8	157	71	7.3	7.1	7.8	60.2	56.6
Mass.	2,961	1,316	2,773	1,232	62.5	168	83	6.4	6.4	6.3	78.5	58.1
Mich.	4,301	1,781	3,773	1,557	55.7	628	224	12.3	12.1	12.6	77.6	50.5
Minn.	2,149	949	2,024	899	60.8	116	50	5.5	5.8	5.2	61.2	60.8
Miss.	1,052	457	964	412	54.1	85	45	8.3	7.2	9.8	72.4	47.6
Mo.	2,317	1,016	2,139	936	58.0	178	82	7.7	7.4	8.1	76.2	51.9
Mont.	362	154	365	142	61.5	26	12	6.9	6.5	7.8	60.1	62.5
Nebr.	773	332	741	317	64.3	32	15	4.1	3.8	4.4	60.7	54.7
Nev.	463	196	430	182	68.0	33	14	7.1	7.1	7.1	64.5	61.8
N.H.	480	211	456	199	65.1	24	11	5.0	4.8	5.3	60.9	57.5
N.J.	3,576	1,525	3,316	1,402	58.9	262	124	7.3	6.7	8.1	77.5	51.0
N. Mex.	575	239	533	221	55.8	42	18	7.3	7.1	7.5	74.2	49.3
N.Y.	8,016	3,466	7,404	3,190	55.3	612	276	7.6	7.4	7.9	73.3	48.2
N.C.	2,916	1,292	2,726	1,193	62.5	186	89	6.4	5.5	7.7	76.6	56.2
N. Dak.	309	127	294	121	62.5	16	6	5.0	5.1	4.9	79.0	53.1
Ohio	5,066	2,132	4,506	1,941	57.4	490	192	9.6	10.1	9.0	77.9	50.5
Ola.	1,442	586	1,391	595	61.4	52	21	3.6	3.5	3.6	78.4	50.0
Oreg.	1,330	557	1,199	506	60.4	131	51	9.9	10.4	9.2	79.0	55.3
Pa.	5,476	2,300	5,016	2,120	55.2	456	180	8.4	8.8	7.8	74.7	47.5
R.I.	479	213	442	184	60.5	36	18	7.6	6.7	8.7	76.7	54.1
S.C.	1,417	636	1,298	574	57.6	119	62	8.4	7.3	9.8	75.5	52.2
S. Dak.	333	148	316	140	64.2	17	8	5.1	5.1	5.1	79.5	57.0
Tenn.	2,110	923	1,919	834	55.8	192	89	9.1	8.7	9.6	74.1	50.4
Texas	7,075	2,998	6,701	2,747	63.5	373	169	5.3	4.4	6.4	61.0	53.9
Utah	646	256	608	236	61.0	43	20	6.7	5.8	7.9	60.9	60.6
Vt.	280	113	245	105	63.8	15	8	5.7	4.9	6.8	60.1	58.1
Va.	2,600	1,156	2,442	1,086	61.8	156	69	6.1	4.9	7.6	78.3	54.9
Wash.	1,967	835	1,798	757	57.8	169	78	9.5	9.7	9.3	78.7	52.0
W. Va.	786	304	702	277	48.3	84	27	10.7	11.8	8.9	69.7	38.9
Wis.	2,371	1,034	2,166	956	62.2	185	78	7.8	8.0	7.8	79.6	56.3
Wyo.	250	102	240	87	69.1	10	5	4.1	3.9	4.5	64.2	69.7

¹Civilian employment as a percent of civilian noninstitutional population.

²Percent unemployed of the civilian labor force.

³Percent of civilian noninstitutional population of each specified group in the civilian labor force.

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 1961*.

Civilian Labor Force—Employed Persons

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NO. 629. CIVILIAN LABOR FORCE—EMPLOYMENT STATUS, BY SEX, RACE, AND AGE: 1981

(Persons 16 years old and over; noninstitutional population. Annual averages of monthly figures)

AGE AND RACE	CIVILIAN LABOR FORCE			MALE (1,000)			FEMALE (1,000)			PERCENT OF PARTICIPATION			
	Total (1,000)	Percent by age		Total	Em- ployed	Un- em- ployed	Total	Em- ployed	Un- em- ployed	Employed		Unemployed	
		Male	Female							Male	Female	Male	Female
All workers.....	188,870	100.0	100.0	81,874	57,387	4,577	48,888	43,000	3,888	82.6	92.1	7.4	7.8
16-19 yrs.....	8,888	7.7	8.0	4,777	3,815	962	4,211	3,411	800	79.9	81.0	20.1	19.0
20-24 yrs.....	18,088	14.0	15.0	8,848	7,504	1,144	7,451	6,618	833	86.8	88.6	13.2	11.2
25-34 yrs.....	30,392	28.2	27.7	17,479	16,286	1,213	12,912	11,914	998	93.1	92.3	6.9	7.7
35-44 yrs.....	21,211	18.6	19.4	12,188	11,613	552	9,045	8,532	513	95.5	94.3	4.5	5.7
45-54 yrs.....	18,870	15.9	15.2	9,888	9,478	390	7,101	6,777	325	98.0	95.4	4.0	4.6
55-64 yrs.....	11,888	11.8	10.3	7,170	6,808	261	4,799	4,618	184	98.4	98.2	3.6	3.8
65 and over.....	3,042	3.0	2.5	1,888	1,812	55	1,176	1,133	43	97.1	98.4	2.9	3.8
White.....	85,882	100.0	100.0	54,888	51,318	3,560	40,187	37,384	2,782	83.8	88.9	6.8	6.8
16-19 yrs.....	7,882	7.7	9.3	4,224	3,488	755	3,738	3,119	620	82.1	83.4	17.9	16.6
20-24 yrs.....	13,828	13.7	16.0	7,521	6,652	868	6,408	5,826	580	88.4	90.9	11.8	9.1
25-34 yrs.....	28,208	27.9	27.1	15,340	14,388	943	10,888	10,153	715	93.9	93.4	6.1	6.8
35-44 yrs.....	18,445	18.6	19.2	10,740	10,307	433	7,704	7,311	394	95.0	94.9	4.0	5.1
45-54 yrs.....	14,883	16.1	15.3	8,836	8,518	317	6,157	5,888	261	98.4	95.8	3.6	4.2
55-64 yrs.....	10,764	11.8	10.5	6,530	6,308	221	4,236	4,077	158	98.6	98.3	3.4	3.7
65 and over.....	2,753	3.1	2.8	1,704	1,682	42	1,049	1,013	36	97.6	98.6	2.4	3.4
Other races.....	13,818	100.0	100.0	7,878	6,883	887	6,538	5,888	653	88.9	88.7	14.1	14.3
16-19 yrs.....	1,025	7.8	7.2	553	348	208	472	291	181	82.5	81.7	37.5	38.3
20-24 yrs.....	2,173	15.9	18.0	1,127	853	274	1,045	793	253	75.6	75.8	24.4	24.2
25-34 yrs.....	4,183	30.2	31.3	2,138	1,888	270	2,045	1,781	264	87.4	86.1	12.6	13.9
35-44 yrs.....	2,788	20.1	20.5	1,425	1,307	118	1,341	1,221	119	91.7	91.1	8.3	8.8
45-54 yrs.....	1,977	14.6	14.4	1,032	959	73	944	881	64	92.9	93.3	7.1	6.7
55-64 yrs.....	1,205	9.0	8.8	640	600	40	565	538	26	83.8	85.4	8.2	4.8
65 and over.....	288	2.3	1.9	182	148	13	127	120	7	92.0	94.3	6.0	5.7

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 630. EMPLOYED PERSONS, BY SELECTED CHARACTERISTICS: 1970 TO 1981

(In thousands of persons 16 years old and over; civilian noninstitutional population. Annual averages of monthly figures)

AGE, SEX, AND MARITAL STATUS	1970	1975	1976	1977	1978	1979	1980	1981
Total employed.....	78,878	86,848	88,762	92,017	96,048	98,824	98,303	100,387
16-19 years.....	6,144	7,104	7,336	7,688	8,070	8,083	7,710	7,226
20-24 years.....	9,731	11,886	12,570	13,188	13,887	14,327	14,087	14,122
25-34 years.....	16,318	21,087	22,483	23,850	25,281	26,482	27,204	28,180
35-44 years.....	15,822	15,953	16,468	17,157	18,128	18,981	19,523	20,145
45-54 years.....	16,473	16,180	16,224	16,212	16,338	16,367	16,234	16,256
55-64 years.....	10,974	10,827	10,812	11,126	11,400	11,585	11,586	11,525
65 years and over.....	3,118	2,801	2,747	2,787	2,846	2,989	2,980	2,845
Male.....	48,888	51,867	53,138	54,728	56,478	57,887	57,188	57,387
16-19 years.....	3,488	3,838	3,947	4,174	4,336	4,388	4,086	3,815
20-24 years.....	5,237	6,484	6,815	7,232	7,558	7,791	7,532	7,504
25-34 years.....	10,836	13,206	13,888	14,483	15,124	15,888	15,832	16,286
35-44 years.....	10,218	9,881	10,088	10,388	10,845	11,202	11,366	11,813
45-54 years.....	10,170	9,802	9,881	9,832	9,806	9,735	9,548	9,478
55-64 years.....	6,828	6,722	6,724	6,848	6,854	7,015	6,988	6,888
65 years and over.....	2,884	1,811	1,732	1,781	1,855	1,876	1,836	1,812
Female.....	33,990	35,818	35,624	37,288	39,568	41,217	42,117	43,000
16-19 years.....	2,755	3,263	3,388	3,514	3,734	3,783	3,626	3,411
20-24 years.....	4,484	5,401	5,655	5,955	6,328	6,538	6,555	6,618
25-34 years.....	6,382	7,882	8,624	9,367	10,157	10,802	11,370	11,914
35-44 years.....	6,705	6,081	6,400	6,758	7,282	7,779	8,188	8,532
45-54 years.....	6,303	6,288	6,343	6,388	6,532	6,622	6,688	6,777
55-64 years.....	4,046	4,106	4,188	4,278	4,448	4,588	4,587	4,516
65 years and over.....	1,023	888	1,017	1,027	1,081	1,124	1,125	1,133
Male: Married, spouse present.....	37,882	38,248	38,516	38,806	39,287	39,740	39,004	38,882
Single (never-married).....	6,426	10,213	11,083	11,837	12,816	13,424	13,515	13,577
Widowed, divorced, separated.....	2,682	3,294	3,558	3,885	4,288	4,443	4,688	4,822
Female: Married, spouse present.....	17,572	19,788	20,582	21,281	22,238	23,126	23,532	23,815
Single (never-married).....	6,813	7,943	8,517	9,083	9,881	10,388	10,567	10,888
Widowed, divorced, separated.....	5,505	6,258	6,536	6,936	7,468	7,706	7,815	8,400

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

No. 631. PERSONS OF SPANISH ORIGIN—CIVILIAN LABOR FORCE PARTICIPATION: 1975 TO 1981

[Persons 16 years old and over. As of March. Based on Current Population Survey; see text, p. 2]

ITEM	1975 ¹			1980 ²			1981 ³		
	Total ²	Mexi-can	Puerto Rican	Total ²	Mexi-can	Puerto Rican	Total ²	Mexi-can	Puerto Rican
Total (1,000).....	6,724	3,921	972	6,431	5,008	1,062	8,906	5,326	1,056
Percent in labor force: Male.....	78.8	79.8	73.5	79.9	82.8	72.2	79.8	83.3	68.4
Female.....	42.3	42.1	33.5	48.0	49.6	35.0	47.5	47.9	33.7
Percent unemployed: Male.....	13.1	12.2	19.3	8.3	8.4	11.5	11.1	10.6	15.0
Female.....	12.2	11.9	14.7	10.5	11.8	13.0	11.3	10.9	11.7
Employed (1,000).....	3,510	2,094	408	4,857	3,005	487	4,987	3,122	440
Percent: White collar.....	33.0	28.6	33.7	35.0	31.0	35.3	36.0	31.8	42.7
Blue collar.....	46.7	49.4	44.1	45.2	47.7	44.5	44.0	47.7	41.7
Farm.....	3.5	5.4	1.3	3.4	4.7	1.0	3.3	4.8	.2
Service.....	16.8	16.6	20.9	16.5	16.6	19.3	16.7	15.7	15.4

¹ Estimates based on 1970 census population controls. ² Includes persons of Cuban, Central or South American, and other Spanish origin, not shown separately. ³ Estimates based on 1980 census population controls.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, Nos. 290, 354, and 361, and unpublished data.

No. 632. FULL- AND PART-TIME STATUS OF THE CIVILIAN LABOR FORCE: 1965 TO 1981

[In thousands, except percent. Persons 16 years old and over, except as indicated. Annual averages of monthly figures. The part-time (working less than 35 hours per week) labor force consists of persons working part-time voluntarily and unemployed persons seeking part-time work]

ITEM	FULL-TIME					PART-TIME				
	1965	1970	1975	1980	1981	1965	1970	1975	1980	1981
Civilian labor force.....	65,929	71,069	80,117	91,295	92,921	8,527	11,703	13,659	15,644	15,749
Percent of total.....	88.5	85.9	85.4	85.4	85.5	11.4	14.1	14.6	14.6	14.5
Employed.....	63,138	67,863	73,595	85,027	86,126	7,952	10,814	12,251	14,275	14,271
Unemployed.....	2,791	3,206	6,523	6,269	6,795	575	889	1,408	1,369	1,477
Percent ¹	4.2	4.5	8.1	6.9	7.3	6.7	7.6	10.3	8.8	9.4
Males, 20 yr. and over.....	43,243	44,962	48,895	53,571	54,312	1,616	2,259	2,601	2,883	2,885
Employed.....	41,892	43,460	45,840	50,405	50,918	1,530	2,122	2,378	2,697	2,665
Unemployed.....	1,351	1,502	3,255	3,167	3,394	86	137	223	186	220
Percent ¹	3.1	3.3	6.7	5.9	6.2	5.3	6.1	8.6	6.5	7.6
Females, 20 yr. and over.....	19,138	22,226	26,359	32,722	33,875	4,550	6,074	7,052	8,383	8,610
Employed.....	18,260	21,149	24,148	30,588	31,481	4,371	5,803	6,578	7,904	8,108
Unemployed.....	878	1,077	2,210	2,135	2,394	179	271	474	480	502
Percent ¹	4.6	4.8	8.4	6.5	7.1	3.9	4.5	6.7	5.7	5.8
Persons, 16-19 yr.....	3,549	3,881	4,864	5,001	4,734	2,361	3,370	4,005	4,377	4,254
Employed.....	2,986	3,254	3,807	4,035	3,727	2,050	2,889	3,295	3,676	3,498
Unemployed.....	563	626	1,057	966	1,007	311	480	709	701	755
Percent ¹	15.9	16.1	21.7	19.3	21.3	13.2	14.3	17.7	16.0	17.8

¹ Unemployed as percent of civilian labor force in specified group.

No. 633. PERSONS NOT IN THE LABOR FORCE—JOB DESIRE AND REASONS FOR NOT SEEKING WORK, BY SEX AND RACE: 1981

[Persons 16 years old and over. Annual averages of quarterly data]

JOB DESIRE AND REASON	NUMBER (1,000)					PERCENT DISTRIBUTION				
	Total	Male	Female	White	Black and other	Total	Male	Female	White	Black and other
Not in labor force ¹	61,460	18,537	42,922	52,856	8,906	100.0	100.0	100.0	100.0	100.0
Do not want job now ²	55,623	16,620	39,003	46,599	7,023	100.0	100.0	100.0	100.0	100.0
In school.....	6,430	3,194	3,236	5,022	1,406	11.6	19.2	8.3	10.3	20.0
Ill or disabled.....	4,271	2,269	2,002	3,435	836	7.7	13.7	5.1	7.1	11.9
Keeping house.....	28,780	282	28,498	25,958	2,823	51.7	17.0	73.1	53.4	40.2
Retired.....	11,821	8,519	3,302	10,684	1,137	21.3	51.3	8.5	22.0	16.2
Want a job now, but not looking, total.....	5,835	1,916	3,919	4,258	1,580	100.0	100.0	100.0	100.0	100.0
In school.....	1,558	780	778	1,087	472	26.7	40.7	19.9	25.5	29.9
Ill or disabled.....	769	360	409	542	227	13.2	18.8	10.4	12.7	14.4
Keeping house.....	1,280	-	1,280	955	325	21.9	-	32.7	22.4	20.6
Think cannot get a job.....	1,103	399	704	751	353	18.9	20.8	18.0	17.6	22.3
Other reasons.....	1,125	377	748	923	203	19.3	19.7	19.1	21.7	12.8

- Represents zero or rounds to zero. ¹ Detail may not add to total because of difference in weighting patterns.

² Includes reasons not shown separately.

Source of tables 632 and 633: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Civilian Labor Force—School Enrollment

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NO. 634. CIVILIAN LABOR FORCE—YEARS OF SCHOOL COMPLETED, BY SEX, RACE, AND HISPANIC ORIGIN: 1981

[Persons 16 years old and over; noninstitutional population. As of March. See headnote, table 635]

EMPLOYMENT STATUS	Population, 16 yr. old and over (1,000)	PERCENT DISTRIBUTION OF SCHOOL YEARS COMPLETED							
		Elementary school			High school		College		
		0-4 years	5-7 years	8 years	1-3 years	4 years	1-3 years	4 years	5 years or more
Total.....	166,462	2.7	4.8	6.7	18.2	37.3	15.9	6.7	5.7
Civilian labor force.....	107,721	1.2	2.6	3.9	14.9	40.9	17.9	10.7	7.6
Employed.....	99,234	1.1	2.7	3.7	13.7	40.8	18.5	11.3	8.1
Unemployed.....	8,487	1.6	4.1	6.0	29.0	42.1	11.5	3.9	1.8
Not in labor force.....	61,731	5.4	8.4	11.4	23.9	31.0	12.5	5.1	2.4
Male, total.....	80,193	2.8	4.9	6.7	18.2	33.9	16.2	9.6	7.6
Civilian labor force.....	61,308	1.5	3.3	4.6	15.4	37.5	17.4	11.3	9.0
Employed.....	56,349	1.4	3.2	4.4	14.2	37.2	17.9	12.0	9.7
Unemployed.....	4,958	2.0	4.8	6.5	29.7	40.7	11.1	3.5	1.7
Not in labor force.....	18,887	7.2	9.9	13.3	27.3	22.3	12.6	4.2	3.3
Female, total.....	89,259	2.6	4.6	6.7	18.1	40.4	15.6	7.8	4.0
Civilian labor force.....	48,414	.8	2.1	3.0	14.2	45.5	18.6	10.0	5.7
Employed.....	42,885	.8	2.0	2.8	13.1	45.6	19.2	10.5	6.1
Unemployed.....	3,529	.9	3.2	5.4	28.0	44.1	12.2	4.3	1.9
Not in labor force.....	42,844	4.6	7.7	10.6	22.4	34.9	12.4	5.4	2.0
White, total.....	147,371	2.2	4.4	6.8	17.2	38.2	16.1	9.1	6.1
Civilian labor force.....	94,303	1.0	2.5	3.9	14.1	41.9	18.0	11.1	8.0
Employed.....	87,743	1.0	2.3	3.8	13.1	41.2	18.5	11.6	8.4
Unemployed.....	6,560	1.4	4.4	6.4	27.5	42.6	11.3	4.3	2.0
Not in labor force.....	53,068	4.3	7.7	11.9	22.6	32.6	12.8	5.5	2.6
Black, total.....	18,105	5.9	8.4	6.0	27.0	32.1	13.9	4.5	2.2
Civilian labor force.....	10,894	2.3	5.5	4.0	22.4	39.6	16.9	6.2	3.1
Employed.....	9,158	2.4	5.9	3.9	20.1	39.4	17.7	7.0	3.6
Unemployed.....	1,737	1.7	3.2	4.6	34.7	40.9	12.6	2.1	.3
Not in labor force.....	7,211	11.4	12.9	9.0	34.0	20.7	9.4	1.7	.8
Hispanic origin, total.....	8,862	12.3	14.1	8.3	22.3	26.3	10.9	3.8	2.1
Civilian labor force.....	5,616	8.6	13.1	7.4	19.3	30.6	13.4	4.8	2.8
Employed.....	4,987	8.7	12.8	6.9	18.0	31.2	14.1	5.2	3.1
Unemployed.....	630	8.5	15.4	10.8	29.2	26.5	7.6	1.3	.7
Not in labor force.....	3,246	18.6	16.0	10.0	27.4	18.7	6.5	2.0	.8

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Report*, forthcoming.

NO. 635. SCHOOL ENROLLMENT AND LABOR FORCE STATUS OF CIVILIANS 16 TO 24 YEARS OLD, BY SELECTED CHARACTERISTICS: 1975 AND 1981

[In thousands, except percent. As of October; noninstitutional population. Based on Current Population Survey; see text, p. 2. Persons of Hispanic origin may be of any race]

CHARACTERISTIC	POPULATION		CIVILIAN LABOR FORCE			EMPLOYED		UNEMPLOYED		
	1975 ¹	1981	1975, ¹ total	1981		1975 ¹	1981	1975, ¹ total	1981	
				Total	Per- cent ²				Total	Rate ³
Total, 16 to 24 years.....	35,179	36,945	22,158	24,582	66.5	18,848	20,949	3,315	3,641	14.8
Enrolled in school.....	15,457	15,909	6,805	7,352	46.2	5,784	6,292	1,023	1,062	14.4
16 to 19 years.....	11,286	11,208	4,587	4,706	42.0	3,805	3,854	786	855	16.7
20 to 24 years.....	4,191	4,701	2,218	2,646	56.3	1,979	2,438	237	207	7.8
Male.....	8,184	8,150	3,645	3,803	46.7	3,104	3,262	540	543	14.3
Female.....	7,273	7,759	3,160	3,549	45.7	2,680	3,030	483	519	14.6
College level.....	7,266	7,800	3,484	4,076	52.3	3,111	3,669	381	406	10.0
Full-time.....	6,121	6,503	2,463	2,901	44.6	2,141	2,556	322	346	11.9
White.....	13,193	13,311	6,154	6,577	49.4	5,283	5,756	862	822	12.5
Below college.....	6,768	6,572	3,026	2,946	44.8	2,472	2,445	550	500	17.0
College level.....	6,425	6,741	3,132	3,631	53.9	2,821	3,311	312	321	8.8
Black ⁴	2,231	2,082	643	595	28.7	483	389	158	206	34.4
Below college.....	1,412	1,303	296	260	21.5	200	142	94	138	49.3
College.....	817	780	347	317	40.6	283	247	64	69	22.1
Hispanic.....	868	984	319	375	38.1	261	315	80	59	15.7
Below college.....	554	627	166	180	28.8	117	144	47	37	20.6
College.....	314	357	153	194	54.4	144	171	13	23	11.9
Not enrolled.....	19,722	21,036	15,353	17,231	81.9	13,064	14,657	2,292	2,579	15.0
White.....	16,888	17,798	13,400	14,896	83.7	11,626	13,045	1,778	1,854	12.4
Black.....	2,813	2,849	1,940	2,083	73.1	1,424	1,404	517	681	32.7
Hispanic.....	1,147	1,701	790	1,279	75.2	630	1,080	159	197	15.4

¹Based on 1980 census population controls. ²Percent of noninstitutional population. ³Percent of labor force in each category. ⁴Black and other in 1975.

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Report*, forthcoming and unpublished data.

**NO. 636. CIVILIAN LABOR FORCE PARTICIPATION RATES, BY MARITAL STATUS, SEX, AND AGE:
1960 TO 1981**

(See table 626 for definition of participation rate)

YEAR AND MARITAL STATUS	MALE PARTICIPATION RATE					FEMALE PARTICIPATION RATE				
	16-19 years	20-24 years	25-44 years	45-64 years	65 and over	16-19 years	20-24 years	25-44 years	45-64 years	65 and over
1960: Married, spouse present	91.5	97.1	96.7	93.7	36.6	27.2	31.7	33.1	36.0	6.7
Single	42.6	80.3	90.5	80.1	31.2	30.2	77.2	83.2	79.8	24.3
Other ¹	86.6	96.9	94.7	63.2	22.7	43.6	56.0	67.2	60.0	11.4
1965: Married, spouse present	96.0	96.4	96.5	92.6	31.0	30.6	37.1	36.2	39.5	11.1
Single	40.9	75.7	89.0	78.1	23.2	28.8	72.9	82.4	79.1	22.4
Other ¹	77.8	96.6	93.8	60.8	16.7	42.1	59.2	67.2	61.6	10.6
1970: Married, spouse present	92.3	96.0	96.0	91.1	29.9	37.8	47.9	42.7	44.0	7.9
Single	54.6	73.6	87.4	75.7	25.2	44.7	73.0	80.5	73.0	19.7
Other ¹	66.8	90.4	92.3	78.5	18.3	48.5	60.3	67.2	61.9	10.0
1975: Married, spouse present	92.9	95.3	97.3	96.8	23.3	46.2	57.0	50.0	43.8	7.0
Single	57.9	77.9	89.0	80.9	21.0	49.6	72.5	80.3	66.3	15.8
Other ¹	70.6	88.8	91.1	73.4	15.4	47.6	65.3	68.9	59.0	6.3
1980: Married, spouse present	91.3	96.9	97.3	94.3	20.5	49.3	61.4	60.1	46.9	7.3
Single	59.9	81.3	87.9	86.9	16.6	53.6	75.2	82.0	65.6	13.3
Other ¹	75.0	92.6	93.1	73.3	13.7	50.0	66.4	70.8	60.2	6.2
1981: Married, spouse present	92.4	96.5	97.2	93.5	19.9	47.2	62.1	61.3	47.4	7.1
Single	59.2	80.9	87.8	84.6	19.9	52.3	76.4	82.5	64.3	11.9
Other ¹	80.0	91.9	92.5	73.0	13.0	53.4	69.9	77.7	60.1	6.2

¹14 to 19 years old. ²Widowed, divorced, and married (spouse absent).

Source: U.S. Bureau of Labor Statistics, unpublished data.

NO. 637. EMPLOYMENT STATUS OF MEMBERS IN HUSBAND-WIFE FAMILIES: 1960 TO 1981

(As of March. Includes members of the Armed Forces living off post or with their families on post)

ITEM	1960	1965	1970	1975	1977	1978	1979	1980	1981
Husband employed, total (1,000)	33,579	36,512	37,867	37,395	37,905	38,034	38,386	38,367	37,966
Percent:									
Wife or other member in labor force ¹	42.7	47.2	53.1	57.9	61.1	62.2	64.1	65.1	66.2
Wife only	25.5	29.4	34.3	38.9	40.9	41.8	43.9	44.8	45.8
Wife and other member	6.1	7.3	9.3	9.9	11.1	11.7	11.7	12.2	12.3
Wife or other member employed ²	40.0	44.5	50.7	53.4	57.1	59.0	60.6	62.0	62.4
Only wife employed	29.6	32.6	38.3	35.5	36.6	41.0	38.4	43.3	44.4
Husband unemployed, total (1,000)	1,462	1,023	972	2,293	1,864	1,356	1,219	1,540	1,869
Percent:									
Wife or other member in labor force ¹	49.7	54.6	56.1	61.1	58.6	62.1	60.2	62.6	65.7
Wife only	32.1	36.6	41.8	44.6	41.9	45.8	44.2	45.2	49.4
Wife and other member	8.0	7.6	7.6	8.5	8.3	8.4	10.1	11.1	10.5
Wife or other member employed ²	41.7	47.5	50.8	47.3	49.1	53.2	51.3	53.2	56.7
Only wife employed	24.9	29.7	33.4	36.4	39.3	40.5	42.4	39.5	44.1

¹Includes other categories not shown separately. ²Includes wife or other member who is unemployed.

Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, periodic, and unpublished data.

**NO. 638. MARRIED, SEPARATED, AND DIVORCED WOMEN—LABOR FORCE STATUS, BY PRESENCE AND
AGE OF CHILDREN: 1960 TO 1981**

(In millions, except rate. As of March. Based on Current Population Survey; see Appendix (H))

ITEM	IN LABOR FORCE				PARTICIPATION RATE ¹				UNEMPLOYMENT RATE ²			
	1960	1970	1980	1981	1960	1970	1980	1981	1960	1970	1980	1981
Married, husband present, total	12.3	18.4	24.9	25.5	30.5	40.8	50.1	51.0	5.4	4.9	5.3	5.6
No children under 18	5.7	8.2	11.2	11.4	34.7	42.2	46.0	46.3	4.6	3.3	4.5	4.9
Children 6-17 yr. only	4.1	6.3	8.4	8.4	39.0	49.2	61.7	62.5	4.9	4.8	4.4	5.3
Children under 6 yr.	2.5	3.9	5.2	5.6	18.6	30.3	45.1	47.8	7.6	7.9	6.3	8.2
Separated, total	(NA)	1.4	1.9	2.1	(NA)	52.1	59.4	60.8	(NA)	6.6	9.9	12.5
No children under 18	(NA)	.7	.9	1.0	(NA)	52.3	58.9	59.9	(NA)	4.2	6.3	6.0
Children 6-17 yr. only	(NA)	.4	.6	.7	(NA)	60.6	66.3	70.0	(NA)	5.9	10.6	14.2
Children under 6 yr.	(NA)	.3	.4	.4	(NA)	45.4	52.2	51.0	(NA)	13.3	12.3	20.2
Divorced, total	(NA)	1.9	4.4	4.6	(NA)	71.5	74.5	75.0	(NA)	5.4	6.4	6.8
No children under 18	(NA)	1.1	2.3	2.5	(NA)	67.7	71.4	72.4	(NA)	4.7	4.5	5.8
Children 6-17 yr. only	(NA)	.6	1.6	1.7	(NA)	82.4	82.3	83.4	(NA)	6.5	6.7	7.1
Children under 6 yr.	(NA)	.3	.5	.6	(NA)	63.3	68.3	65.4	(NA)	5.2	13.6	10.3

NA Not available. ¹Percent of women in each specific category in the labor force. ²Unemployed as a percent of civilian labor force in specified group.

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Reports* No. 13, and forthcoming report.

NO. 639. MARITAL STATUS OF WOMEN IN THE CIVILIAN LABOR FORCE: 1940 TO 1961

(Persons 14 years old and over through 1955; 16 years old and over thereafter. As of March, except as indicated. Prior to 1960, excludes Alaska and Hawaii. Figures for 1940 based on complete census revised for comparability with intercensal series. Later data based on Current Population Survey; see text, p. 2. Beginning 1955, figures not strictly comparable with previous years as a result of introduction into estimating procedure of 1950 census data through 1960, and of 1960 census data beginning 1965. See also *Historical Statistics, Colonial Times to 1970*, series D 49-62)

YEAR	FEMALE LABOR FORCE (1,000)					PERCENT DISTRIBUTION, FEMALE LABOR FORCE			FEMALE LABOR FORCE AS PERCENT OF FEMALE POPULATION				
	Total	Single	Mar- ried, total	Mar- ried, hus- band pres- ent	Wid- owed or di- vorced	Single	Mar- ried	Wid- owed or di- vorced	Total	Single	Mar- ried, total	Mar- ried, hus- band pres- ent	Wid- owed or di- vorced
1940	13,640	6,710	5,040	4,200	2,090	48.5	36.4	15.1	27.4	48.1	18.7	14.7	32.0
1944 ¹	18,449	7,542	8,433	6,226	2,474	40.9	45.7	13.4	35.0	58.6	25.6	21.7	35.7
1947 ¹	16,323	6,181	7,545	6,676	2,597	37.9	46.2	15.9	29.8	51.2	21.4	20.0	34.6
1950	17,795	5,821	9,273	8,550	2,901	31.6	52.1	16.3	31.4	50.5	24.8	23.8	36.0
1955 ¹	20,154	5,067	11,839	10,423	3,227	25.2	56.7	18.0	33.5	46.4	29.4	27.7	36.0
1960	22,516	5,401	13,465	12,253	3,629	24.0	59.9	16.1	34.8	44.1	31.7	30.5	37.1
1965	25,952	5,912	16,154	14,708	3,886	22.8	62.2	15.0	36.7	46.5	35.7	34.7	36.7
1966	28,778	6,357	18,234	16,821	4,187	22.1	63.4	14.6	40.7	51.3	39.1	36.3	36.6
1969	29,898	6,501	19,100	17,595	4,297	21.7	63.9	14.4	41.6	51.2	40.4	39.6	35.8
1970	31,233	6,966	19,799	18,377	4,466	22.3	63.4	14.3	42.8	53.0	41.4	40.6	36.2
1971	31,778	7,220	20,034	18,573	4,524	22.7	63.0	14.2	42.5	52.9	41.4	40.6	35.7
1972	33,132	7,543	20,845	19,336	4,744	22.8	62.9	14.3	43.7	55.0	42.2	41.5	37.2
1973	34,195	7,638	21,467	19,951	4,870	22.9	62.8	14.2	44.2	55.9	42.8	42.2	36.7
1974	35,706	8,362	22,202	20,541	5,144	23.4	62.2	14.4	45.3	57.4	43.6	43.1	37.9
1975	36,981	8,599	23,037	21,360	5,345	23.2	62.3	14.5	45.0	57.0	45.1	44.4	37.7
1976	38,399	9,262	23,543	21,814	5,474	24.2	61.6	14.3	46.9	59.2	45.8	45.1	37.3
1977	40,053	9,702	24,429	22,661	5,922	24.2	61.0	14.6	48.0	59.2	47.2	46.6	39.0
1978	41,747	10,487	24,976	23,136	6,264	25.1	60.8	15.1	49.2	60.7	48.1	47.5	39.9
1979	43,644	11,304	26,073	24,223	6,467	26.8	60.5	14.8	50.8	62.9	49.9	49.3	40.0
1980	44,934	11,242	26,826	24,900	6,864	26.0	60.7	15.3	51.1	61.6	50.7	50.1	41.0
1981	46,415	11,628	27,536	25,460	7,251	25.0	60.3	15.6	52.0	62.3	51.7	51.0	41.9

¹ As of April.

Source: 1940-1955, U.S. Bureau of the Census, *Current Population Reports*, series P-50. Beginning 1960, U.S. Bureau of Labor Statistics, *Special Labor Force Reports* and unpublished data.

NO. 640. EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE, BY FAMILY RELATIONSHIP:
1976 TO 1981

(In thousands of civilians 16 years old and over, except rate. Annual averages of monthly figures)

FAMILY RELATIONSHIP	EMPLOYED				UNEMPLOYED							
	1976	1979	1980	1981	Number				Rate ¹			
					1976	1979	1980	1981	1976	1979	1980	1981
Total	96,752	98,824	99,363	100,367	7,406	6,137	7,637	8,273	7.7	6.8	7.1	7.8
Husbands ²	39,081	40,469	39,866	39,711	1,711	1,156	1,734	1,801	4.2	2.8	4.2	4.3
With wife:												
Employed	17,949	20,491	20,546	20,826	715	512	766	633	3.8	2.4	3.7	3.8
Unemployed	1,226	1,015	1,110	1,164	166	107	159	177	11.9	9.5	12.5	13.2
Not in labor force	19,620	17,349	18,520	18,015	739	466	668	657	3.8	2.6	3.9	3.9
Wives	20,353	22,843	23,200	23,586	1,504	1,201	1,374	1,445	6.9	5.0	5.6	6.1
With husband:												
Employed	17,949	20,491	20,546	20,826	1,226	1,015	1,110	1,164	6.4	4.7	5.1	5.3
Unemployed	714	512	766	633	166	107	159	177	18.9	17.2	16.8	17.5
Not in labor force	1,669	1,639	1,668	1,927	112	76	104	104	6.2	4.1	5.3	6.1
Women who maintain families	3,829	4,668	4,760	4,998	426	425	482	579	10.1	8.3	9.2	10.4
Relatives in married-couple families	11,660	12,954	12,824	12,955	2,024	1,745	2,046	2,224	14.8	11.9	13.8	14.7
Relatives in families maintained by women	2,920	3,536	3,606	3,805	760	743	900	1,023	20.7	17.4	20.0	22.1
Persons not living in families ²	10,860	14,331	15,028	15,540	976	867	1,096	1,201	6.2	5.7	6.8	7.2

¹ Unemployment as percent of civilian labor force in specified group. ² Includes a small number of single, separated, widowed, or divorced men who maintain families. ³ Individuals living alone or with unrelated persons plus a small number of persons in secondary families.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

No. 641. PERSONS WITH TWO OR MORE JOBS: 1965 TO 1980

[Persons 16 years old and over. As of May. Data not adjusted to 1980 population controls. See text, p. 372]

CHARACTERISTICS	Unit	1965	1970	1975	1976	1977	1978	1979	1980
Persons with 2 or more jobs	1,000	3,758	4,048	3,918	3,948	4,558	4,483	4,724	4,759
With 2 jobs in nonfarm industries.....	1,000	2,891	3,105	3,028	3,129	3,637	3,587	3,852	3,923
With first job in agriculture, second job nonagriculture	1,000	279	205	185	144	166	154	146	113
With first job nonagriculture, second job in agriculture.....	1,000	649	667	637	620	697	701	868	855
Wage and salary workers	1,000	3,264	3,659	3,505	3,605	4,150	4,136	4,386	4,395
Self-employed.....	1,000	418	348	360	317	362	308	314	330
Unpaid family workers	1,000	74	41	53	27	48	49	25	34
Multiple job holding rate, ¹ total.....	Percent	5.2	5.2	4.7	4.5	5.0	4.8	4.9	4.9
Male.....	Percent	6.7	7.0	5.8	5.8	6.2	5.8	5.9	5.8
Female.....	Percent	2.3	2.2	2.9	2.6	3.4	3.3	3.5	3.8
White.....	Percent	5.3	5.3	4.8	4.7	5.3	5.0	5.1	5.1
Black and other ²	Percent	4.6	4.4	3.7	2.8	2.6	3.1	3.0	3.2
Single.....	Percent	3.1	3.3	3.8	3.5	3.9	4.0	4.4	4.4
Married, spouse present	Percent	5.9	5.9	5.0	5.0	5.5	5.2	5.2	5.1
Other marital status	Percent	3.8	3.5	4.0	3.7	4.5	4.2	4.4	4.8

¹Percent of total employed in the specified group. ²Beginning 1977, Black only.

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Reports*, Nos. 139, 182, 194, 211, 221, and 239; and *Monthly Labor Review*, May 1982.

No. 642. MAIN REASONS FOR WORKING MORE THAN ONE JOB, BY RACE AND SEX: 1975 TO 1980

[See headnote, table 641]

REASONS	1975				1979				1980			
	White		Black ¹		White		Black ¹		White		Black ¹	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total ² (1,000).....	2,736	853	226	103	3,087	1,304	230	103	2,990	1,410	220	139
Percent distribution:												
Meet regular expenses	33.8	31.3	50.2	48.2	28.4	33.4	33.2	46.6	31.1	32.6	37.0	53.3
Pay off debts	4.8	5.1	7.2	2.9	6.0	7.3	11.2	12.6	6.7	7.2	10.9	6.7
Save for future	9.3	8.6	8.1	3.9	10.9	6.0	12.6	4.9	11.8	7.3	18.0	6.1
Get experience	7.6	6.3	1.8	3.9	8.9	7.4	6.3	2.9	8.5	6.7	6.2	1.5
Help friend or relative.....	3.4	7.6	1.3	2.9	5.8	6.6	3.1	4.9	3.2	6.6	1.4	1.5
Buy something special	7.2	10.7	5.4	2.9	7.7	9.8	9.0	6.8	7.6	10.9	1.4	9.6
Enjoy the work	10.4	14.7	10.3	10.7	19.5	17.0	13.0	3.9	18.8	16.1	10.9	12.6
Changed job .....	.4	1.0	-	-	1.1	1.8	.1	3.9	.4	1.5	-	3.0

- Represents zero or rounds to zero. ¹Includes other races. ²Includes other reasons, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Reports*, Nos. 182, 239, *Monthly Labor Review*, May 1982, and unpublished data.

No. 643. SELECTED CHARACTERISTICS OF WORKERS PERFORMING INVOLUNTARY PART-TIME WORK: 1975 TO 1981

[In thousands. For civilian noninstitutional population 16 years and over as of March the following year. Refers to persons who engaged in involuntary part-time work for 1 week or more anytime during the year shown]

CHARACTERISTIC	1979	1979	1979	1980 ¹	1981 ¹	CHARACTERISTIC	1976	1978	1978	1980 ¹	1981 ¹
Total.....	11,184	10,118	11,208	13,033	14,627	Occupation:					
Sex:						White collar	2,762	2,833	3,109	3,634	3,972
Male.....	6,279	5,308	6,083	7,160	8,199	Blue collar.....	5,688	4,791	5,303	6,071	7,063
Female	4,906	4,813	5,125	5,872	6,428	Service	2,080	1,978	2,187	2,673	2,920
Family status: ²						Farm.....	676	517	610	655	674
Husband-wife families ¹	(NA)	6,682	7,641	8,734	9,724	Usual weekly schedules:					
Husbands.....	(NA)	2,583	3,135	3,605	4,126	Usually worked full-time.....	6,884	6,395	7,320	8,048	9,016
Wives.....	(NA)	2,367	2,551	2,862	3,166	Usually worked part-time.....	4,300	3,723	3,887	4,985	5,611
Families maintained by women	(NA)	1,376	1,418	1,677	1,967	Reason:					
Householder	(NA)	651	713	748	911	Slack work.....	7,291	6,430	7,496	8,635	9,876
Families maintained by men	(NA)	277	315	435	503	Could only find part-time work	3,893	3,688	3,711	4,398	4,751
Householder	(NA)	88	145	213	200						

¹Based on 1980 census population controls. See text, p. 372. ²Includes other types of family status, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, February 1981; and unpublished data.

No. 644. U.S. EMPLOYMENT SERVICE JOB OPENINGS AND PLACEMENTS, AND INDEX OF HELP-WANTED ADVERTISING: 1970 TO 1981

[In thousands, except as indicated. Openings and placements. For years ending Sept. 30]

ITEM	1970	1970	1974	1975	1970	1977	1976	1979	1980	1981
Job openings: ¹ Received.....	6,130	8,443	9,439	7,889	7,689	8,396	9,534	9,477	8,122	7,546
Average per month.....	511	701	787	657	639	699	795	789	677	629
Nonagricultural placements ¹	4,804	4,517	4,913	4,374	5,234	5,544	6,248	6,349	5,610	3,509
Index of help wanted advertising in newspapers ² (1967 = 100).....	93	126	110	80	95	118	150	158	129	119

¹As reported by State employment agencies. ²Source: The Conference Board, New York, N.Y. Further reproduction prohibited without permission. Index based on number of advertisements in classified sections of newspapers.
Source: Except as noted, U.S. Employment and Training Administration, unpublished data.

No. 645. CIVILIANS EMPLOYED, BY HOURS WORKED: 1965 TO 1981

[In thousands of persons 16 years old and over, except 1965, 14 and over. Annual averages of monthly figures]

HOURS WORKED	1965	1975	1975	1979	1977	1976	1976	1980	1981
Employed, nonagricultural industries ¹	67,594	75,215	82,438	85,421	85,734	92,861	95,477	95,938	97,000
Worked 1-14 hours.....	4,027	3,984	4,391	4,426	4,559	4,635	4,622	4,675	4,781
Worked 15-34 hours.....	8,590	14,270	14,390	15,479	16,034	16,232	17,845	17,774	20,768
Worked 35 or more hours.....	51,811	52,498	58,599	60,295	62,789	66,379	67,407	67,760	65,828
Employed, agricultural industries ¹	4,585	3,463	3,408	3,331	3,283	3,387	3,347	3,384	3,388
Worked 35 or more hours.....	3,027	2,256	2,244	2,206	2,172	2,256	2,304	2,247	2,270

¹Includes persons who had a job or business, but did not work at all during survey week because of illness, bad weather, vacation, industrial dispute, or various personal reasons, not shown separately.

No. 646. CLASS OF WORKER OF EMPLOYED PERSONS, BY SEX: 1965 TO 1981

[See headnote, table 645]

CLASS OF WORKER	1965		1970		1975		1980		1981	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Nonagriculture, employed.....	43,304	24,289	46,128	29,087	49,032	33,404	54,477	41,461	54,997	42,333
Wage and salary workers.....	38,434	22,331	42,142	27,349	44,754	31,498	49,517	39,007	49,745	39,798
Self-employed workers.....	4,794	1,419	3,932	1,289	4,225	1,480	4,903	2,096	4,905	2,192
Unpaid family workers.....	77	540	53	449	55	428	56	357	47	343
Agriculture, employed.....	3,729	856	2,862	601	2,824	584	2,709	856	2,700	667
Wage and salary workers.....	1,243	249	960	174	1,079	222	1,149	275	1,168	296
Self-employed workers.....	2,170	137	1,722	88	1,598	124	1,458	184	1,442	196
Unpaid family workers.....	316	470	160	339	148	239	102	197	91	178

No. 647. PERSONS WITH A JOB BUT NOT AT WORK: 1965 TO 1981

[In thousands, except percent. Persons 16 years old and over, except 1965, 14 years old and over. Annual averages of monthly figures. See *Historical Statistics, Colonial Times to 1970*, series D 116-126, for related but not comparable data]

REASON FOR NOT WORKING	1965	1970	1975	1970	1977	1976	1979	1980	1981
All industries, number.....	3,525	4,645	5,221	3,387	5,520	5,573	5,747	5,882	5,790
Percent of employed.....	4.9	5.9	6.1	6.0	6.0	5.8	5.8	5.9	5.8
Nonagricultural industries.....	3,368	4,511	5,056	5,222	5,371	5,415	5,601	5,729	5,653
Reason for not working:									
Vacation.....	1,738	2,341	2,815	2,930	2,950	2,985	3,191	3,320	3,247
Illness.....	1,039	1,324	1,343	1,400	1,428	1,436	1,420	1,425	1,413
Bad weather.....	79	128	139	100	237	238	198	155	112
Industrial dispute.....	48	156	95	116	119	100	123	105	64
All other.....	821	698	829	820	786	815	816	876	953

Source of tables 645-647: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 646. OCCUPATION OF EMPLOYED WORKERS, BY SEX AND RACE: 1960 TO 1981

[Citizens 16 years old and over. Annual averages of monthly figures. Beginning 1975, not strictly comparable with prior years due to reclassification of occupations. White collar managers and administrators exclude persons on farms. For details, see text, p. 372. See *Historical Statistics, Colonial Times to 1970*, series D 182-232, for related but not comparable data.]

OCCUPATION GROUP, SEX, AND RACE	TOTAL EMPLOYED (1,000)						PERCENT DISTRIBUTION		
	1960	1970	1975	1979	1980	1981	1970	1975	1981
Total	86,778	78,878	88,846	96,824	96,803	100,397	100.0	100.0	100.0
White-collar workers	26,522	36,024	42,786	50,334	51,682	52,848	48.3	49.8	52.7
Professional and technical	7,468	11,148	12,934	15,376	15,908	16,420	14.2	15.1	16.4
Teachers, except college	1,620	2,645	3,049	3,166	3,209	3,197	3.4	3.6	3.2
Managers and administrators	7,067	6,295	9,006	10,719	11,138	11,540	10.5	10.5	11.5
Salesworkers	4,224	4,657	5,528	6,284	6,303	6,425	6.2	6.4	6.4
Retail trade	2,457	2,959	3,067	3,276	3,225	3,262	3.8	3.8	3.2
Clerical workers	9,782	13,723	15,321	17,953	18,473	18,664	17.4	17.8	18.5
Blue-collar workers	24,067	27,807	26,303	32,666	31,452	31,261	35.3	33.0	31.1
Craft and kindred workers	6,554	10,164	11,107	13,119	12,787	12,662	12.9	12.9	12.6
Operatives, except transport	11,960	13,916	9,751	11,111	10,565	10,540	17.7	11.4	10.5
Transport equipment operatives			3,252	3,671	3,531	3,476		3.8	3.5
Nonfarm laborers	3,553	3,728	4,192	4,768	4,567	4,583	4.7	4.8	4.6
Service workers	6,023	9,718	11,796	13,084	13,228	13,438	12.4	13.7	13.4
Farm workers	5,178	3,127	2,955	2,737	2,741	2,749	4.0	3.4	2.7
Male	43,804	48,988	51,867	67,807	67,188	67,397	100.0	100.0	100.0
White-collar workers	16,423	20,067	21,405	23,786	24,280	24,606	41.0	41.3	42.6
Professional and technical	4,766	6,647	7,592	8,727	8,904	9,100	14.0	14.8	15.9
Teachers, except college	456	892	895	925	936	940	1.8	1.7	1.6
Managers and administrators	5,988	6,972	7,241	8,071	8,219	8,372	14.2	14.0	14.6
Salesworkers	2,544	2,765	3,175	3,451	3,450	3,508	5.6	6.1	6.1
Retail trade	1,006	1,125	1,186	1,222	1,186	1,191	2.3	2.2	2.1
Clerical workers	3,145	3,463	3,398	3,537	3,667	3,626	7.1	6.6	6.3
Blue-collar workers	20,420	23,033	23,498	26,546	25,642	25,433	47.0	45.3	44.3
Craft and kindred workers	6,332	9,832	10,599	12,367	12,018	11,859	20.1	20.4	20.7
Operatives, except transport	8,617	9,610	6,003	6,878	6,334	6,350	19.6	11.6	11.1
Transport equipment operatives			3,067	3,372	3,248	3,167		5.9	5.5
Nonfarm laborers	3,471	3,591	3,829	4,229	4,040	4,066	7.3	7.4	7.1
Service workers	2,644	3,268	4,461	4,931	5,036	5,097	6.7	8.6	8.9
Farm workers	4,219	2,602	2,492	2,245	2,250	2,260	5.3	4.8	3.9
Female	21,874	28,890	33,989	41,217	42,117	43,000	100.0	100.0	100.0
White-collar workers	12,099	17,957	21,382	26,548	27,621	28,341	60.5	62.8	65.9
Professional and technical	2,703	4,302	5,341	6,651	7,063	7,319	14.5	15.7	17.0
Teachers, except college	1,164	1,753	2,154	2,241	2,273	2,257	5.9	6.3	5.2
Managers and administrators	1,099	1,323	1,764	2,640	2,920	3,166	4.5	5.2	7.4
Salesworkers	1,680	2,082	2,353	2,833	2,853	2,916	7.0	6.8	6.6
Retail trade	1,481	1,834	1,931	2,055	2,040	2,072	6.3	5.7	4.9
Clerical workers	6,617	10,240	11,923	14,416	14,757	14,938	34.6	36.1	34.7
Blue-collar workers	3,637	4,774	4,805	6,022	5,810	5,526	16.1	14.1	13.6
Craft and kindred workers	222	332	509	752	769	802	1.1	1.5	1.9
Operatives, except transport	3,333	4,305	3,748	4,433	4,231	4,190	14.5	11.0	9.7
Transport equipment operatives			185	299	263	309		.5	.7
Nonfarm laborers	82	136	363	538	528	527	.5	1.1	1.2
Service workers	5,179	6,432	7,339	8,154	8,189	8,342	21.7	21.8	19.4
Farm workers	957	525	463	492	492	490	1.6	1.4	1.3
White	58,860	70,216	76,411	87,286	87,716	88,708	100.0	100.0	100.0
White-collar workers	27,409	35,659	39,507	45,676	47,267	48,147	50.8	51.7	54.3
Professional and technical	7,136	10,379	11,823	13,912	14,444	14,794	14.8	15.5	16.7
Teachers, except college	1,503	2,363	2,759	2,841	2,865	2,875	3.4	3.6	3.2
Managers and administrators	6,889	7,998	8,578	10,094	10,612	10,867	11.4	11.2	12.3
Salesworkers	4,123	4,677	5,272	5,957	5,963	6,075	6.7	6.9	6.8
Retail trade	2,421	2,852	3,027	3,071	3,005	3,037	4.1	4.0	3.4
Clerical workers	9,259	12,807	13,835	15,913	16,350	16,410	18.0	18.1	18.5
Blue-collar workers	21,277	24,241	24,794	26,462	27,327	27,191	34.5	32.4	30.7
Craft and kindred workers	8,139	9,471	10,279	12,038	11,693	11,690	13.5	13.5	13.1
Operatives, exc. transport	10,536	11,909	8,336	9,374	8,684	8,836	17.0	10.9	10.0
Transport equipment operatives			2,792	3,131	2,684	2,938		3.7	3.3
Nonfarm laborers	2,602	2,861	3,367	3,918	3,778	3,826	4.1	4.4	4.3
Service workers	6,827	7,518	9,388	10,439	10,583	10,814	10.7	12.3	12.2
Farm workers	4,335	2,798	2,712	2,481	2,527	2,558	4.0	3.5	2.9
Black			7,994	8,368	9,313	8,365		100.0	100.0
White-collar workers			2,440	3,290	3,408	3,539		30.8	37.8
Professional and technical			740	966	1,016	1,065		8.4	11.6
Teachers, except college			263	267	287	291		3.3	3.0
Managers and administrators			290	429	418	459		3.7	4.9
Salesworkers			184	232	252	251		2.3	2.7
Retail trade			138	143	165	165		1.7	1.8
Clerical workers	(NA)	(NA)	1,224	1,661	1,724	1,744	(NA)	15.5	18.6
Blue-collar workers			3,097	3,564	3,471	3,414		39.2	36.5
Craft and kindred workers			701	869	904	865		8.9	9.2
Operatives except transport			1,247	1,446	1,368	1,395		15.8	14.9
Transport equipment operatives			427	493	507	496		5.4	5.3
Nonfarm laborers			722	757	691	656		9.1	7.0
Service workers			2,149	2,277	2,271	2,386		27.2	24.2
Farm workers			210	200	162	136		2.7	1.5

NA Not Available.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

**No. 649. OCCUPATION OF EMPLOYED WORKERS, BY EDUCATIONAL ATTAINMENT AND SEX:
1970 TO 1981**

[As of March. Civilians 25 years and over]

SEX AND OCCUPATION	PERCENT EMPLOYED WITH—											
	Less than 4 years of high school			4 years of high school only			1 to 3 years of college			4 years of college or more		
	1970	1975	1981	1970	1975	1981	1970	1975	1981	1970	1975	1981
Male, total	42.3	28.9	21.4	30.7	35.4	35.7	11.8	14.8	17.8	15.4	20.9	25.4
White-collar workers	18.0	9.5	6.8	28.4	28.2	25.1	18.5	20.2	20.8	34.7	42.1	47.8
Professional and technical	5.0	2.5	1.7	16.3	13.2	12.2	17.2	15.7	15.3	60.5	66.5	70.7
Managers and administrators, except farm	22.6	12.7	9.8	32.1	34.6	30.6	19.7	21.2	22.1	25.6	31.5	37.8
Sales workers	23.8	12.0	8.9	35.0	34.1	32.0	22.0	25.0	25.2	19.2	27.8	36.0
Clerical workers	29.5	16.7	13.1	41.8	45.7	41.2	18.4	24.0	27.6	10.3	13.8	18.1
Blue-collar workers	59.2	44.5	34.1	33.0	42.6	47.4	8.2	10.0	14.1	1.8	2.7	4.3
Craft workers	52.1	36.7	27.7	37.7	48.0	50.3	8.0	12.0	16.5	2.2	3.9	5.8
Operatives, except transport	52.4	49.5	39.5	31.5	40.1	46.3	5.0	8.7	11.2	1.1	1.7	3.0
Transport equip. operatives	54.8	49.8	40.2	28.8	40.8	46.7	4.8	7.1	10.7	.9	2.5	2.4
Laborers	72.2	60.2	45.4	22.7	29.8	37.4	4.0	7.8	13.8	1.1	2.2	3.7
Service workers	56.8	42.2	32.8	30.1	38.9	37.5	8.5	13.6	20.6	2.6	5.3	9.0
Farmers and farmworkers	65.1	—	45.4	28.1	32.1	37.8	5.7	8.5	8.0	3.2	5.7	8.8
Female, total	37.9	—	17.4	38.3	45.8	45.8	11.4	13.8	18.8	11.4	15.6	18.8
White-collar workers	19.2	10.7	6.7	45.7	47.8	44.8	18.5	18.1	22.1	18.6	23.5	28.3
Professional and technical	8.7	2.7	2.2	19.7	17.9	15.9	19.1	17.1	20.5	54.2	62.3	61.4
Managers and administrators, except farm	27.0	17.3	8.7	42.5	44.2	43.4	16.7	19.9	24.3	13.8	18.6	23.6
Sales workers	38.8	23.3	14.8	48.8	55.5	50.0	10.8	13.2	21.7	3.8	7.9	13.8
Clerical workers	20.0	11.3	7.3	59.4	63.1	61.1	18.4	19.2	22.8	4.2	6.4	9.0
Blue-collar workers	65.4	54.9	43.1	29.9	38.8	47.5	3.0	4.9	6.3	.7	1.5	3.2
Craft workers	52.5	36.2	26.8	37.8	50.8	51.3	7.3	8.4	13.3	2.4	3.7	8.6
Operatives, except transport	68.7	59.4	48.1	28.4	35.6	45.6	2.4	4.0	4.2	.5	1.0	2.0
Transport equip. operatives	50.0	33.5	26.1	43.3	58.1	61.0	5.8	7.8	10.2	.8	.6	2.7
Laborers	64.3	47.2	36.9	30.8	43.6	47.4	4.0	5.6	10.8	.9	3.4	4.9
Service workers	63.4	49.6	37.5	30.4	41.1	47.0	6.1	7.4	12.0	1.1	2.0	3.5
Farmers and farmworkers	85.4	37.9	35.7	26.0	43.0	43.8	6.3	13.7	10.7	2.4	5.4	10.1

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, and unpublished data.

**No. 650. OCCUPATION AND SEX OF EMPLOYED PERSONS, BY EMPLOYMENT STATUS OF THE PREVIOUS
YEAR: 1981**

[For persons 18 years old and over, not in school]

OCCUPATION	MALE					FEMALE				
	Em- ployed, Jan. 1981 (1,000)	Employment status, Jan. 1980 (percent)				Em- ployed, Jan. 1981 (1,000)	Employment status, Jan. 1980 (percent)			
		Same occu- pation	Different occu- pation	Unem- ployed	Not in labor force		Same occu- pation	Different occu- pation	Unem- ployed	Not in labor force
Total¹	80,892	83.8	8.2	3.2	3.7	37,832	77.2	10.0	3.6	8.9
Prof., technical, and kindred workers	6,485	—	6.4	1.3	3.7	6,967	82.6	8.3	1.9	7.2
Managers and administrators ²	7,831	88.5	6.6	1.4	1.6	3,104	79.6	12.4	1.7	8.3
Sales workers	3,089	83.9	10.3	2.2	3.5	2,334	70.6	11.3	3.9	14.2
Retail sales	900	75.8	12.5	4.5	7.3	1,008	67.5	11.2	4.7	16.6
Clerical and kindred workers	3,210	79.4	12.5	—	6.3	13,216	77.4	11.0	3.2	8.3
Craft and kindred workers	10,784	85.7	7.7	4.0	2.7	692	80.7	9.8	2.4	7.1
Operatives, except transport	5,895	79.3	11.6	4.5	4.7	2,805	78.2	6.3	5.8	7.8
Transport equipment operatives	2,844	83.8	8.7	4.7	2.6	253	81.1	7.8	3.1	8.3
Nonfarm laborers	2,905	89.4	15.9	7.8	8.9	423	89.7	13.8	4.9	11.5
Service workers ³	3,828	78.3	10.9	4.4	6.4	5,919	72.0	8.3	5.2	13.5
Cleaning service	1,313	77.6	11.5	5.0	5.7	634	74.8	8.7	6.3	10.1
Food service	806	71.2	12.6	5.6	—	2,253	68.2	12.1	8.8	13.8
Health service	163	74.7	15.8	4.8	4.9	1,536	75.5	7.7	4.4	12.3
Personal service	308	79.3	9.4	3.5	7.8	1,146	72.3	6.8	4.0	—
Farmers and farm managers	1,131	65.5	2.4	.8	1.3	130	86.9	1.4	—	11.7
Farm laborers and supervisors	591	73.9	11.1	4.7	10.9	162	77.1	8.5	6.0	10.4

— Represents zero or rounds to zero.
private households.

²Includes other occupations, not shown separately.

³Except farm.

⁴Excluding

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Report*, forthcoming.

NO. 651. EMPLOYED PERSONS, BY SEX, RACE, AND OCCUPATION: 1972 AND 1981

[Civilians 16 years old and over. "N.e.c." means not elsewhere classified. See *Historical Statistics, Colonial Times to 1970*, series D 233-682, for similar data]

OCCUPATION	1972			1981		
	Total employed (1,000)	Percent		Total employed (1,000)	Percent	
		Female	Black and other ¹		Female	Black and other ¹
Total	82,153	38.0	10.6	100,387	42.8	11.8
Professional, technical, and kindred workers ²	11,538	39.3	7.2	16,420	44.6	9.9
Accountants.....	720	21.7	4.3	1,126	38.5	9.9
Computer specialists.....	276	16.8	5.5	627	27.1	9.4
Engineers ²	1,111	.8	3.4	1,537	4.4	7.3
Civil.....	156	.6	5.2	190	1.6	7.9
Electrical and electronic.....	289	.7	5.2	380	3.9	7.6
Industrial.....	171	2.4	2.4	237	11.4	7.6
Mechanical.....	192	-	3.1	252	2.8	5.6
Lawyers and judges.....	322	3.8	1.9	581	14.1	4.6
Librarians, archivists, and curators.....	158	81.6	7.0	192	82.8	5.7
Life and physical scientists.....	232	10.0	7.8	311	21.9	10.6
Chemists.....	120	10.1	8.4	138	21.7	15.2
Personnel and labor relations workers.....	312	31.0	9.0	441	49.9	10.9
Physicians, dentists, and related practitioners ²	630	9.3	6.3	828	14.4	11.0
Dentists.....	108	1.9	5.6	130	4.6	6.2
Pharmacists.....	127	12.7	3.2	152	25.7	9.2
Physicians, medical and osteopathic.....	332	10.1	8.2	454	13.7	14.5
Registered nurses, dietitians, and therapists ²	956	92.6	8.1	1,854	92.8	12.7
Registered nurses.....	807	97.6	8.2	1,339	96.8	12.3
Therapists.....	117	59.1	4.3	251	70.5	12.0
Health technologists and technicians.....	319	69.5	11.1	643	72.3	14.9
Religious workers.....	293	11.0	10.6	337	11.9	7.4
Social scientists.....	143	21.3	5.7	314	33.8	8.0
Social and recreation workers.....	356	55.1	17.5	511	62.4	20.2
Teachers, college and university.....	464	28.0	7.2	585	35.2	9.2
Teachers, except college and university ²	2,852	70.0	9.2	3,197	70.6	10.1
Elementary.....	1,256	85.1	10.0	1,412	83.6	11.4
Pre-kindergarten and kindergarten.....	189	96.8	13.3	245	96.4	15.5
Secondary.....	1,118	49.6	8.3	1,231	51.3	8.0
Engineering and science technicians ²	835	9.1	5.2	1,141	18.8	9.9
Drafters.....	288	6.3	5.2	343	19.2	8.7
Electrical and electronic engineering technicians.....	166	5.5	6.1	275	11.3	9.1
Technicians, except health, engineering, and science.....	153	11.2	2.6	219	22.4	5.0
Vocational and educational counselors.....	134	50.0	11.9	188	53.7	18.1
Writers, artists, and entertainers ²	903	31.7	4.8	1,388	39.8	6.3
Athletes and kindred workers.....	79	30.8	6.4	135	43.0	7.4
Editors and reporters.....	164	41.4	4.3	205	50.2	4.9
Research workers, not specified.....	87	27.9	7.0	193	36.9	11.4
Managers and administrators, except farm ²	3,081	17.6	4.0	11,540	27.5	5.8
Bank officers and financial managers.....	430	19.0	2.6	696	37.5	5.5
Buyers, wholesale and retail trade.....	162	32.9	4.3	195	43.6	6.7
Health administrators.....	119	46.6	7.6	219	49.6	6.8
Managers and superintendents, building.....	137	42.6	8.8	161	50.9	9.3
Office managers, n.e.c.....	317	41.9	1.0	504	70.6	4.0
Officials and administrators, public administration, n.e.c.....	311	20.4	9.1	476	29.0	10.3
Purchasing agents and buyers, n.e.c.....	366	21.2	3.6	264	30.3	6.1
Restaurant, cafeteria, and bar managers.....	498	32.4	8.9	727	40.3	9.9
Sales managers.....	574	15.7	1.6	720	26.5	4.6
School administrators.....	304	28.0	8.2	430	38.3	9.5
Sales workers ²	5,383	41.6	3.6	6,425	45.4	5.4
Hucksters and peddlers.....	231	73.0	6.1	170	79.4	7.6
Insurance agents, brokers, and underwriters.....	443	11.6	3.4	595	23.9	6.2
Real estate agents and brokers.....	352	36.7	2.6	562	49.8	3.0
Stock and bond sales agents.....	102	9.9	2.0	159	17.0	3.1
Sales representatives, manufacturing industries.....	401	6.8	1.5	416	20.0	4.1
Sales representatives, wholesale trade.....	700	4.7	1.4	971	11.9	2.9
Sales clerks, retail trade.....	2,359	68.9	5.0	2,431	71.2	7.7
Salesworkers, except clerks, retail trade.....	432	13.0	2.6	525	19.6	3.6
Salesworkers, services and construction.....	137	29.4	2.2	241	43.2	5.0
Clerical and kindred workers ²	14,329	75.8	6.7	18,564	80.5	11.8
Bank tellers.....	290	87.5	4.9	569	93.5	7.6
Billing clerks.....	149	84.6	6.7	153	68.2	10.5
Bookkeepers.....	1,592	87.9	3.6	1,981	91.1	6.3
Cashiers.....	998	86.6	8.0	1,680	66.2	11.6
Clerical supervisors, n.e.c.....	200	57.8	10.1	250	70.8	10.8
Counter clerks, except food.....	331	73.9	6.4	360	76.4	10.3
Estimators and investigators, n.e.c.....	350	43.4	4.9	540	54.6	10.6

See footnotes at end of table.

NO. 651. EMPLOYED PERSONS, BY SEX, RACE, AND OCCUPATION: 1972 AND 1981—Continued

[Civilians 16 years old and over. "N.e.c." means not elsewhere classified. See *Historical Statistics, Colonial Times to 1970*, series D 233-682, for similar data]

OCCUPATION	1972			1981		
	Total employed (1,000)	Percent		Total employed (1,000)	Percent	
		Female	Black and other ¹		Female	Black and other ¹
Clerical and kindred workers²—Con.						
File clerks.....	274	84.9	18.0	315	83.8	22.9
Insurance adjusters, examiners, and investigators.....	109	34.3	6.5	191	58.1	9.9
Mail carriers, post office.....	271	6.7	14.1	242	15.7	13.6
Office machine operators ²	679	71.4	13.1	968	73.6	17.5
Computer and peripheral equipment operators.....	199	37.8	10.2	564	63.8	15.8
Key punch operators.....	284	89.8	15.5	246	93.5	19.4
Postal clerks.....	282	26.7	19.6	289	37.9	26.4
Receptionists.....	439	97.0	7.6	675	97.3	8.6
Secretaries.....	2,984	99.1	5.2	3,917	99.1	7.2
Shipping and receiving clerks.....	453	14.9	13.7	525	22.5	14.7
Statistical clerks.....	301	70.9	8.4	370	80.3	15.1
Stenographers.....	125	90.4	8.0	74	85.1	13.5
Stock clerks and storekeepers.....	513	22.9	12.5	528	34.8	13.1
Telephone operators.....	394	96.7	12.8	308	92.9	17.2
Typists.....	1,025	98.1	12.0	1,031	96.3	17.6
Craft and kindred workers.....	10,867	3.8	6.9	12,862	9.3	8.5
Carpenters.....	1,052	.5	5.9	1,122	1.9	5.8
Other construction craftworkers ²	2,261	.6	9.0	2,593	1.9	10.2
Brickmasons and stonemasons.....	176	-	14.2	152	-	12.5
Electricians.....	498	.6	3.2	684	1.6	7.9
Excavating, grading, and road machine operators.....	428	-	4.7	422	.5	12.3
Painters, construction and maintenance.....	430	1.9	10.0	471	5.7	10.2
Plumbers and pipe fitters.....	391	-	5.9	472	.4	7.6
Blue-collar worker supervisors, n.e.c.....	1,419	6.9	6.0	1,816	11.3	7.6
Machinists and jobsetters.....	473	.6	6.2	668	4.0	8.5
Metalcraft workers ²	625	1.9	5.6	626	4.3	7.2
Sheet metal workers and tinmiths.....	150	.7	4.7	157	3.2	6.4
Tool and die makers.....	184	.5	2.2	175	2.3	2.9
Mechanics, automobile.....	1,040	.5	8.5	1,249	.6	8.7
Mechanics, except automobile ²	1,748	1.0	5.3	2,159	2.5	8.1
Air conditioning, heating, and refrigeration.....	175	-	6.3	212	.5	7.5
Aircraft.....	124	-	3.3	123	3.3	13.0
Heavy equipment.....	719	.7	5.2	1,007	1.8	7.2
Radio and television.....	124	.8	6.5	109	3.7	6.4
Printing craftworkers ²	398	14.9	5.5	402	24.9	8.2
Compositors and typesetters.....	171	17.1	7.1	174	35.1	8.6
Printing press operators.....	142	4.9	4.2	166	11.4	7.8
All other craftworkers ²	1,855	9.4	7.4	2,028	15.3	9.2
Bakers.....	115	28.9	18.4	135	41.5	13.3
Crane, derrick, and hoist operators.....	150	1.3	16.0	143	.7	15.4
Electric power line and cable operators.....	102	-	3.9	117	.9	7.7
Stationary engineers.....	191	1.1	5.8	182	1.6	8.2
Telephone installers and repairers.....	312	1.9	4.2	326	9.8	9.2
Operatives, except transport².....	10,388	38.0	13.2	10,540	39.8	16.2
Assemblers.....	1,022	46.8	13.2	1,167	52.4	17.1
Checkers, examiners, and inspectors, mfg.....	886	48.5	8.8	800	53.8	13.8
Cutting operatives, n.e.c.....	239	27.7	16.0	276	31.5	15.9
Dressmakers and seamstresses, except factory.....	133	97.0	9.1	117	97.4	15.4
Garage workers and gas station attendants.....	504	4.6	8.4	349	5.7	10.9
Laundry and dry cleaning operatives, n.e.c.....	168	69.7	28.5	194	66.5	26.4
Meat cutters and butchers, except mfg.....	202	3.5	7.5	178	8.4	10.7
Mine operatives.....	144	.7	6.3	270	2.2	5.2
Packers and wrappers, exc. meat and produce.....	649	61.1	14.7	589	63.2	21.1
Painters, manufactured articles.....	179	14.6	14.6	166	16.9	13.9
Precision machine operatives.....	390	10.0	6.9	352	12.8	9.9
Punch and stamping press operatives.....	157	27.4	10.8	107	31.8	10.3
Sewers and stitchers.....	942	95.8	13.7	807	98.0	21.6
Textile operatives.....	426	55.2	15.8	300	61.0	26.7
Welders and flame cutters.....	558	3.6	10.1	728	4.7	13.2
Machine operatives.....	1,573	27.0	14.4	1,655	28.5	16.9
Transport equipment operatives².....	3,223	4.2	14.8	3,479	8.9	15.5
Bus drivers.....	253	34.1	17.1	380	47.2	21.1
Delivery and route workers.....	895	2.5	10.4	563	8.5	9.4
Fork lift and tow motor operatives.....	304	1.0	22.1	369	5.7	22.0
Taxicab drivers and chauffeurs.....	167	9.0	24.1	164	9.8	26.7
Truck drivers.....	1,449	.6	14.4	1,878	2.7	13.9
Laborers, except farm².....	4,242	6.0	20.2	4,583	11.5	16.5
Construction laborers, including carpenters' helpers.....	948	.5	22.4	825	2.2	15.8
Freight and material handlers.....	765	5.9	22.1	753	9.7	18.5
Gardeners and groundskeepers, except farm.....	548	2.2	20.0	666	4.7	16.5
Stockhandlers.....	726	16.9	10.2	992	24.6	12.1

See footnotes at end of table.

NO. 651. EMPLOYED PERSONS, BY SEX, RACE, AND OCCUPATION: 1972 AND 1981—Continued

(Civilians 16 years old and over. "N.a.c." means not elsewhere classified. See *Historical Statistics, Colonial Times to 1870*, series D 233-882, for similar data)

OCCUPATION	1972			1981		
	Total employed (1,000)	Percent		Total employed (1,000)	Percent	
		Female	Black and other ¹		Female	Black and other ¹
Farmers and farm managers.....	1,890	5.9	3.9	1,485	11.9	2.4
Farm laborers and supervisors ²	1,398	32.1	15.1	1,284	25.5	12.3
Farm laborers, wage workers.....	892	15.3	21.9	969	15.9	15.1
Farm laborers, unpaid family workers.....	455	68.8	2.4	254	65.0	2.0
Service workers, except private household.....	8,584	57.0	18.5	12,391	58.2	18.4
Cleaning service workers.....	2,084	32.8	30.0	2,489	38.6	28.0
Food service workers ³	3,286	69.8	13.9	4,882	69.2	14.0
Cooks, except private household.....	873	62.2	21.4	1,393	51.9	19.7
Waiters.....	1,132	91.8	6.9	1,477	89.3	7.3
Health service workers ⁴	1,513	87.0	24.6	1,995	89.2	24.3
Health aides, except nursing, and trainees.....	158	79.5	21.0	317	84.2	21.5
Nursing aides, orderlies, and attendants.....	915	83.4	26.9	1,131	86.6	29.0
Practical nurses.....	345	96.5	25.7	403	97.8	19.9
Personal service workers ⁵	1,551	71.5	13.1	1,766	78.0	14.0
Barbers.....	157	4.5	12.7	107	16.8	14.0
Child care workers, except private household.....	356	95.8	14.0	428	95.5	14.8
Hairdressers and cosmetologists.....	501	91.2	7.2	577	89.3	9.5
Protective service workers ⁶	1,150	5.7	10.4	1,459	10.1	13.8
Firefighters.....	201	.5	4.0	214	.9	8.9
Guards.....	415	4.6	15.5	607	13.7	18.8
Police and detectives.....	418	2.6	8.4	512	5.7	10.7
Private household workers ⁷	1,442	97.8	48.8	1,047	98.5	32.4
Child care workers.....	545	95.0	9.9	451	97.6	9.3
Cleaners and servants.....	715	97.2	64.2	468	95.1	51.5

- Represents zero or rounds to zero. ¹Other than White. ²Includes occupations not shown separately.Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

NO. 652. EMPLOYMENT, BY INDUSTRY: 1970 TO 1981

(In thousands of persons 16 years old and over, except percent. Annual averages of monthly figures. Based on household survey; see text, pp. 371 and 372, and Appendix III. Persons of Hispanic origin may be of any race)

INDUSTRY	1970	1975	1978	1980	1981			PERCENT FEMALE	
					Total	Percent		1970	1981
						Black	Hispanic		
Total employed.....	76,878	85,848	98,824	99,303	100,397	9.3	5.3	37.7	42.8
Agriculture, forestry, fisheries.....	3,567	3,505	3,508	3,529	3,518	5.4	7.2	17.0	19.7
Mining.....	516	752	901	979	1,118	3.7	6.0	7.0	15.2
Construction.....	4,818	5,093	6,437	6,215	6,060	6.6	5.5	4.9	6.2
Manufacturing.....	20,746	19,457	22,459	21,942	21,817	9.8	6.7	27.7	31.7
Transportation, communication, and other public utilities.....	5,320	5,892	6,529	6,525	6,833	11.1	4.7	21.2	26.5
Wholesale and retail trade.....	15,008	17,713	20,101	20,191	20,524	6.6	5.2	23.8	46.9
Wholesale trade.....	2,672	3,362	3,862	3,920	4,016	5.8	5.4	22.4	25.7
Retail trade.....	12,336	14,351	16,240	16,270	16,508	6.8	5.2	45.8	52.0
Finance, insurance, real estate.....	3,945	4,735	5,902	5,993	6,133	7.6	4.3	50.4	58.5
Banking and other finances.....	1,697	1,851	2,425	2,568	2,721	8.1	4.2	57.7	66.7
Insurance and real estate.....	2,248	2,783	3,476	3,425	3,413	7.2	4.4	44.9	51.9
Services ¹	20,261	24,077	27,835	28,587	29,360	11.5	4.6	80.6	80.9
Business services.....	1,403	1,895	2,249	2,361	2,518	9.7	4.4	40.4	44.7
Automobile services.....	600	711	958	952	989	7.5	(NA)	8.7	12.4
Personal services ²	4,276	3,772	3,894	3,839	3,914	17.2	7.4	75.5	72.5
Private households.....	1,782	1,392	1,327	1,257	1,276	28.8	7.4	88.9	84.7
Hotels and lodging places.....	979	995	1,135	1,149	1,197	12.7	(NA)	68.0	65.8
Entertainment and recreation.....	717	865	1,054	1,047	1,107	7.0	4.4	33.9	39.4
Professional and related services ³	12,904	16,573	19,170	19,853	20,201	11.3	3.9	63.7	65.7
Hospitals.....	2,843	3,441	3,925	4,036	4,186	15.5	4.0	77.4	76.4
Health services ⁴	1,628	2,505	3,107	3,345	3,476	11.2	4.2	71.1	75.6
Elementary secondary schools.....	6,126	5,077	5,445	5,550	5,439	11.7	(NA)	62.0	70.9
Colleges and universities.....		1,852	2,087	2,108	2,147	9.0	(NA)		
Welfare and religious agencies.....		1,247	1,583	1,580	1,831	15.8	4.9		
Public administration ⁵	4,476	4,824	5,151	5,342	5,233	13.3	4.3	31.5	36.0

NA Not available. ¹Includes industries not shown separately. ²Not strictly comparable with later years due to reclassification between "Professional and related services" and "Public administration." ³Except hospitals. ⁴Includes workers involved in uniquely governmental activities, e.g., judicial and legislative.Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly and unpublished data.

NO. 653. MINORITY (OTHER THAN WHITE) RACES AS PERCENT OF NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT, BY INDUSTRY: 1965 TO 1981

[Persons 16 years old and over, except 1965, 14 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, p. 371. Excludes self-employed and unpaid family workers]

YEAR	Total ¹	Manufacturing	Wholesale and retail trade	Government	Services ²	Transportation, public utilities	Finance, insurance, real estate	Construction	Mining	Goods-related ³	Service-related and other ⁴
1965	9.7	8.3	8.8	12.4	13.3	7.7	5.0	11.5	5.5	8.7	10.4
1970	10.4	10.2	7.8	14.0	12.2	8.8	6.7	10.4	3.8	10.1	10.6
1975	10.6	10.7	8.1	14.7	11.8	9.9	7.8	9.0	2.9	10.2	11.0
1977	11.0	11.0	7.8	15.3	12.1	11.0	8.1	8.6	4.0	10.4	11.2
1978	11.3	11.2	8.3	15.8	12.3	11.2	9.1	8.6	4.0	10.6	11.7
1979	11.5	11.5	8.5	15.9	12.5	11.8	9.3	8.7	4.3	10.8	11.8
1980	11.5	11.4	8.7	15.7	12.4	11.6	9.3	8.6	4.5	10.7	11.8
1981	11.8	11.8	9.2	16.3	12.9	12.0	10.1	8.8	5.1	11.1	12.3

¹Excludes private household. ²Mining, construction, and manufacturing.

Source: U.S. Bureau of Labor Statistics, unpublished data.

NO. 654. UNEMPLOYED PERSONS, BY REASON AND SEX: 1970 TO 1981

[In thousands of persons 16 years old and over. Annual averages of monthly figures]

SEX AND REASON UNEMPLOYED	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	4,080	4,366	5,186	7,828	7,406	8,861	8,282	8,137	7,837	8,273
Job losers	1,811	1,804	2,242	4,388	3,679	3,186	2,586	2,636	3,947	4,267
Job leavers	550	683	788	827	903	906	874	680	691	923
Reentrants	1,228	1,340	1,463	1,892	1,928	1,963	1,857	1,806	1,927	2,102
New entrants	504	649	681	823	895	953	885	617	872	981
Male	2,236	2,275	2,714	4,442	4,036	3,367	3,142	3,120	4,267	4,577
Job losers	1,199	1,099	1,462	2,908	2,427	2,021	1,622	1,667	2,649	2,821
Job leavers	282	338	371	375	403	413	419	427	436	435
Reentrants	533	536	589	782	783	794	708	673	778	850
New entrants	224	301	296	377	425	441	384	352	405	472
Female	1,856	2,089	2,441	3,486	3,369	3,334	3,061	3,016	3,370	3,696
Job losers	814	583	781	1,478	1,251	1,145	984	968	1,297	1,446
Job leavers	267	345	398	452	501	498	455	453	454	488
Reentrants	886	803	875	1,110	1,146	1,170	1,151	1,133	1,151	1,282
New entrants	279	346	388	447	471	513	491	466	468	509

NO. 655. UNEMPLOYMENT RATE, BY INDUSTRY AND OCCUPATION, 1975 TO 1981, AND BY SEX, 1979 TO 1981

[Persons 16 years old and over. Rate represents unemployment as a percent of labor force in each specified group. Annual averages of monthly figures]

INDUSTRY AND OCCUPATION OF LAST JOB	1975	1978	1979	1980	1981	MALE			FEMALE		
						1979	1980	1981	1979	1980	1981
All unemployed¹	8.5	8.1	5.8	7.1	7.8	8.1	8.9	7.4	8.9	7.4	7.8
Industry:²											
Agriculture	10.3	8.8	9.1	11.0	12.2	7.7	9.7	11.1	14.0	15.1	16.2
Mining	4.1	4.2	4.9	6.4	6.0	5.0	6.8	6.4	4.3	4.5	4.2
Construction	18.0	10.6	10.3	14.1	15.6	10.4	14.7	16.0	7.5	6.8	11.1
Manufacturing	10.9	5.5	5.6	8.5	8.3	4.4	7.4	7.1	8.0	10.7	10.8
Transportation, public utilities	5.8	3.7	3.7	4.9	5.2	3.4	5.1	5.7	4.5	4.4	3.9
Wholesale and retail trade	8.7	8.9	8.5	7.4	8.1	5.4	6.6	7.1	7.7	8.3	9.0
Finance, insurance, and real estate	4.9	3.1	3.0	3.4	3.5	2.9	3.2	3.0	3.5	3.5	3.8
Service industries	7.1	5.7	5.5	6.9	6.6	5.1	6.2	6.9	5.6	5.7	6.5
Government	4.1	3.9	3.7	4.1	4.7	3.1	3.8	4.9	4.3	4.3	5.0
Occupation:³											
Professional and technical	3.2	2.8	2.4	2.5	2.8	1.8	2.0	2.3	3.3	3.0	3.4
Managers and administrators ⁴	3.0	2.1	2.1	2.4	2.7	1.7	2.0	2.1	3.4	3.5	4.1
Sales workers	5.8	4.1	3.9	4.4	4.8	2.8	3.5	3.4	5.3	5.4	5.9
Clerical workers	8.6	4.9	4.7	5.3	5.7	3.8	4.8	5.1	4.8	5.4	5.9
Craft and kindred workers	8.3	4.7	4.5	6.6	7.5	4.4	6.6	7.5	5.9	5.9	6.4
Operatives, except transport	14.7	8.2	8.5	12.2	12.2	8.9	11.0	11.0	10.6	13.9	14.0
Transport equip. operatives	8.5	5.3	5.5	8.8	8.7	5.4	8.9	8.8	5.0	7.7	7.5
Nonfarm laborers	15.8	10.8	10.9	14.6	14.7	10.8	14.8	14.8	11.0	12.8	14.2
Service workers	8.6	7.5	7.2	7.9	8.9	6.6	8.1	9.3	7.4	7.7	8.6
Farm workers	3.6	3.9	3.9	4.8	5.3	3.0	3.7	4.6	7.0	7.4	8.3

¹Includes the self-employed, unpaid family workers, and persons with no previous work experience, not shown separately.

²Covers unemployed wage and salary workers. ³Includes all experienced unemployed persons. ⁴Excludes farm.

Source of tables 654 and 655: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

NO. 656. UNEMPLOYED AND UNEMPLOYMENT INSURANCE—SUMMARY: 1970 TO 1982

[In thousands, except as indicated. Persons 16 years old and over. Annual averages of monthly figures, except as indicated.
See also *Historical Statistics, Colonial Times to 1970*, series D 87-101]

ITEM AND CHARACTERISTIC	1970	1974	1975	1976	1977	1979	1978	1980	1981	1982, June ¹
Total unemployed	4,583	5,156	7,929	7,486	6,991	6,202	6,137	7,637	8,273	10,427
Labor force time lost ² (percent)	5.2	6.1	9.1	8.3	7.6	6.5	6.3	7.9	8.5	10.2
Male	2,238	2,714	4,442	4,036	3,667	3,142	3,120	4,267	4,577	6,065
Female	1,855	2,441	3,486	3,369	3,324	3,061	3,018	3,370	3,696	4,362
White	3,339	4,097	6,421	5,914	5,441	4,898	4,864	5,884	6,343	8,050
Black and other	754	1,058	1,507	1,492	1,550	1,505	1,473	1,752	1,930	2,367
Full-time workers	3,208	4,010	6,523	5,974	5,548	4,838	4,787	6,269	6,795	8,673
Part-time workers	889	1,147	1,406	1,432	1,443	1,364	1,351	1,369	1,477	1,583
Percent of total unemployed	21.7	22.2	17.8	19.3	20.6	22.0	22.0	17.9	17.9	15.2
16-19 years old	1,108	1,422	1,767	1,719	1,663	1,583	1,555	1,669	1,763	1,842
Percent of total unemployed	27.0	27.6	22.3	23.2	23.8	25.5	25.3	21.9	21.3	17.7
Male	599	757	966	939	874	813	811	913	862	1,034
Female	508	665	802	780	789	769	743	755	800	808
White	871	1,104	1,413	1,384	1,264	1,169	1,183	1,291	1,374	1,423
Black and other	235	318	355	355	379	394	362	377	386	426
20-24 years old	886	1,212	1,865	1,714	1,629	1,483	1,442	1,835	1,976	2,321
Percent of total unemployed	21.2	23.5	23.5	23.1	23.3	23.9	23.5	24.0	23.9	22.3
Male	479	649	1,081	951	877	768	744	1,076	1,144	1,347
Female	387	584	783	763	752	714	697	780	833	974
White	679	925	1,473	1,327	1,198	1,056	1,036	1,364	1,449	(NA)
Black and other	166	286	391	386	433	425	403	472	527	(NA)
25-44 years old	1,233	1,603	2,727	2,559	2,435	2,116	2,151	2,984	3,276	4,613
Percent of total unemployed	30.1	31.1	34.4	34.6	34.8	34.1	35.0	38.8	39.6	44.2
Male	644	812	1,493	1,345	1,242	1,005	1,026	1,619	1,765	2,721
Female	569	791	1,235	1,212	1,194	1,112	1,123	1,345	1,511	1,892
45-64 years old	785	819	1,413	1,268	1,116	897	866	1,075	1,159	1,606
Percent of total unemployed	19.2	15.9	17.8	17.1	16.0	14.5	14.4	14.1	14.0	15.4
Male	445	433	801	707	578	475	468	600	651	919
Female	340	386	612	561	538	422	418	475	506	687
65 years and over	104	99	155	147	147	123	104	94	98	79
Unemployment rate (percent): ³										
All workers	4.9	5.6	8.5	7.7	7.1	6.1	5.8	7.1	7.6	9.5
White	4.5	5.0	7.8	7.0	6.2	5.2	5.1	6.3	6.7	8.4
Male	4.0	4.4	7.2	6.4	5.5	4.6	4.5	6.1	6.5	8.6
Female	5.4	6.1	8.6	7.9	7.3	6.2	5.9	6.5	6.9	8.0
Black and other	8.2	9.9	13.8	13.1	13.1	11.9	11.3	13.1	14.2	17.1
Ratio to White	1.8	2.0	1.8	1.9	2.1	2.3	2.2	2.1	2.1	2.0
Male	7.3	9.2	13.6	12.7	12.3	11.0	10.4	13.2	14.1	18.2
Female	9.3	10.8	13.9	13.6	13.9	13.0	12.3	13.1	14.3	16.0
Men, 20 years old and over	3.5	3.8	6.8	5.9	5.2	4.3	4.2	5.9	6.3	8.7
Women, 20 years old and over	4.8	5.5	8.0	7.4	7.0	6.0	5.7	6.4	6.8	8.1
Women maintaining families	5.4	7.0	10.0	10.1	9.4	8.5	8.3	9.2	10.4	12.4
Married men, wife present	2.6	2.7	5.1	4.2	3.6	2.8	2.8	4.2	4.3	6.5
White	2.4	2.5	4.8	4.0	3.4	2.6	2.5	3.9	4.0	(NA)
Black and other	3.9	4.3	8.3	7.0	6.2	4.8	5.0	7.0	7.8	(NA)
Teenagers (16-19 yr. old)	15.3	16.0	19.9	19.0	17.8	16.4	16.1	17.8	19.6	22.3
White	13.5	14.0	17.9	16.9	15.4	13.9	14.0	15.5	17.3	19.4
Black and other	29.1	32.8	36.7	36.7	37.9	35.9	33.2	35.4	37.8	46.7
Blue-collar workers	6.2	6.7	11.7	9.4	8.1	6.9	7.0	10.0	10.3	13.9
White-collar workers	2.8	3.3	4.7	4.6	4.3	3.5	3.4	3.7	4.0	5.0
Experienced workers ⁴	4.8	5.3	8.2	7.3	6.6	5.6	5.5	6.9	7.3	9.2
Percent without work for—										
4 weeks or less	52.3	50.5	37.1	36.4	41.8	46.2	46.1	43.1	41.7	34.0
5-10 weeks	23.4	22.7	22.2	21.0	22.0	22.8	23.4	23.4	22.4	(NA)
11-14 weeks	8.1	8.2	9.1	8.6	8.5	8.3	8.3	9.0	8.3	(NA)
15-26 weeks	10.5	11.1	16.4	13.7	13.1	12.4	11.5	13.8	13.6	17.5
Over 26 weeks	5.7	7.4	15.2	18.2	14.7	10.4	8.7	10.7	14.0	17.7
Unemployment duration, average (weeks)	8.6	9.8	14.2	15.8	14.3	11.9	10.8	11.9	13.7	16.5
Unemployment insurance: ⁵										
Insured unemployed, average ⁶	1,605	2,262	3,968	2,991	2,655	2,359	2,434	3,350	3,045	(NA)
Percent of covered employment	3.4	3.5	6.0	4.6	3.9	3.3	2.9	3.9	3.5	(NA)
Initial claims, weekly average ⁷	296	363	478	396	375	346	368	489	460	(NA)
Claimants exhausting benefits	1,295	1,926	4,195	3,270	2,850	2,039	2,037	3,072	2,990	(NA)
Percent of first payment claims	24.4	31.0	37.8	37.8	33.2	26.7	25.2	30.7	32.4	(NA)
Average duration of benefits (weeks)	12.3	12.7	15.7	14.9	14.2	13.3	13.1	14.9	⁸ 14.5	(NA)

NA Not available. ¹Seasonally adjusted. See text, p. 373. Some detail will not add to total because of independent adjustments. ²Aggregate hours lost by the unemployed and persons on part-time for economic reasons as a percent of potentially available labor force hours. ³Unemployed as percent of civilian labor force in specified group. ⁴Wage and salary workers. ⁵Source: U.S. Employment and Training Administration. State programs only. See table 553. ⁶Workers reporting completion of at least 1 week of unemployment. ⁷Notices by workers to indicate they are starting periods of unemployment. ⁸Preliminary.

Source: Except as noted, U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Unemployed Persons—Labor Turnover Rates

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NO. 657. TOTAL UNEMPLOYED AND INSURED UNEMPLOYED—STATES: 1978 TO 1982

[Civilian population 16 years old and over. Annual averages of monthly figures, except as noted. Total unemployment estimates based on the Current Population Survey (CPS); see text, p. 2]

STATE	TOTAL UNEMPLOYED ¹										INSURED UNEMPLOYED			
	Number (1,000)					Percent ²					Number (1,000)		Percent ³	
	1978	1979	1980	1981	1982 ⁴	1978	1979	1980	1981	1982 ⁴	1980	1981 ⁴	1980	1981 ⁴
Alabama	104	119	147	178	209	6.3	7.1	8.8	10.7	12.4	56.7	50.4	4.5	4.0
Alaska	20	17	18	18	21	11.2	9.2	9.7	9.3	10.0	11.3	10.5	7.7	7.1
Arizona	86	58	83	78	123	6.1	5.1	8.7	6.1	9.2	23.6	23.7	2.5	2.4
Arkansas	60	61	76	94	107	6.3	6.2	7.6	9.1	10.0	34.8	31.0	4.8	4.4
California	775	702	790	872	1,136	7.1	6.2	6.8	7.4	9.4	372.8	375.0	3.9	3.6
Colorado	74	66	66	84	138	5.6	4.8	5.9	5.5	8.5	22.8	24.6	2.0	2.1
Connecticut	78	60	94	96	126	5.2	5.1	5.9	6.2	7.8	37.1	36.1	2.7	2.6
Delaware	22	23	22	23	28	7.6	8.0	7.7	7.9	9.5	6.4	6.3	3.4	3.3
District of Columbia	29	25	24	26	49	8.5	7.5	7.3	9.0	14.7	10.4	11.5	2.7	3.1
Florida	262	248	251	306	366	6.6	6.0	5.9	6.8	7.7	64.4	60.9	2.0	1.7
Georgia	137	125	163	165	240	5.7	5.1	6.4	6.4	8.9	51.5	50.9	■	2.6
Hawaii	32	26	21	24	■	7.7	6.3	4.9	5.4	10.1	10.2	11.6	2.7	3.0
Idaho	24	25	34	32	30	5.7	5.7	7.9	7.6	6.7	15.8	15.9	5.1	5.0
Illinois	326	299	458	474	670	6.1	5.5	8.3	8.5	11.7	212.7	197.5	4.6	4.4
Indiana	147	168	252	263	309	5.7	6.4	9.6	10.1	11.8	69.4	64.9	4.2	3.2
Iowa	57	59	82	98	135	4.0	4.1	5.8	6.9	9.7	35.0	30.4	3.2	2.9
Kansas	34	39	53	50	78	3.1	3.4	4.5	4.2	6.3	23.6	20.9	2.7	2.4
Kentucky	84	89	133	140	227	5.2	5.8	8.0	8.4	12.9	60.8	50.5	5.3	4.5
Louisiana	116	115	121	156	240	7.9	6.7	6.7	8.4	12.4	36.9	40.5	2.5	2.7
Maine	30	30	39	37	40	6.1	7.2	7.6	7.2	7.8	17.5	16.6	4.5	4.2
Maryland	115	126	141	157	169	5.6	5.9	6.5	7.3	7.6	48.4	48.0	3.1	3.2
Massachusetts	172	159	182	188	276	6.1	5.5	5.8	6.4	9.0	82.1	86.5	3.3	3.4
Michigan	289	335	534	526	620	6.9	7.8	12.4	12.3	14.3	285.3	192.6	8.8	5.9
Minnesota	75	85	125	118	167	3.8	4.2	5.9	5.5	7.5	50.8	47.7	3.0	2.9
Mississippi	71	59	60	68	155	7.1	5.8	17.6	8.3	14.6	31.6	30.1	4.0	3.9
Missouri	114	104	167	178	241	5.0	4.5	7.2	7.7	10.2	60.2	70.4	4.2	3.8
Montana	22	19	22	26	36	6.0	5.1	6.1	6.9	9.1	11.3	10.3	4.5	4.1
Nebraska	23	25	31	32	45	2.9	3.2	4.1	4.1	6.7	11.2	11.5	1.9	2.0
Nevada	17	20	27	33	45	4.4	5.1	6.2	7.1	9.2	11.6	13.0	3.1	3.4
New Hampshire	16	14	22	24	38	3.8	3.1	4.7	5.0	7.8	7.8	8.0	2.1	2.2
New Jersey	247	246	259	262	314	7.2	6.9	7.2	7.3	8.6	136.6	126.2	4.7	4.2
New Mexico	31	36	42	42	62	5.8	6.6	7.5	7.3	10.1	11.3	11.4	2.7	2.8
New York	602	570	597	612	695	7.7	7.1	7.5	7.6	8.5	268.5	233.7	3.9	3.4
North Carolina	120	134	187	188	290	4.3	4.8	6.6	6.4	9.7	66.9	68.1	2.9	3.0
North Dakota	14	11	15	16	20	4.6	3.7	5.0	5.0	6.3	7.1	8.4	3.3	3.0
Ohio	269	298	426	490	643	5.4	5.9	8.4	9.6	12.9	206.6	170.0	4.9	4.1
Oklahoma	49	45	66	52	68	3.9	3.4	4.8	3.6	4.6	17.7	14.8	1.7	9.4
Oregon	74	85	107	131	151	6.0	6.8	8.3	9.9	11.4	53.8	58.9	5.4	5.8
Pennsylvania	367	370	425	458	563	6.9	6.9	7.8	8.4	10.3	237.5	199.0	5.2	4.4
Rhode Island	30	31	34	36	42	6.6	6.6	7.2	7.6	8.8	20.5	19.4	5.3	5.0
South Carolina	78	69	96	119	175	5.7	5.0	6.9	8.4	11.9	38.3	41.9	3.5	3.7
South Dakota	10	12	16	17	15	3.1	3.5	4.9	5.1	4.5	4.4	4.2	2.0	2.0
Tennessee	113	119	152	192	260	5.9	5.8	7.9	9.1	11.9	70.5	83.2	4.2	3.8
Texas	299	273	352	373	572	4.8	4.2	5.2	5.3	7.7	76.0	64.5	1.5	1.2
Utah	22	26	40	43	51	3.8	4.3	6.3	6.7	7.8	14.7	15.3	3.0	3.1
Vermont	14	12	16	15	17	5.7	5.1	6.4	5.7	6.3	6.1	7.3	4.4	3.9
Virginia	133	119	129	158	190	5.4	4.7	5.0	6.1	7.2	37.2	36.7	2.0	1.9
Washington	124	131	156	186	241	6.8	6.8	7.9	8.5	12.1	69.9	75.8	4.6	4.9
West Virginia	47	53	74	84	115	6.3	6.7	9.4	10.7	14.4	32.0	34.8	5.2	5.8
Wisconsin	116	106	167	185	281	5.1	4.5	7.2	7.6	11.0	97.8	87.1	5.2	4.7
Wyoming	7	6	9	10	13	3.3	2.6	4.0	4.1	5.2	2.7	3.5	1.5	1.8

Data from U.S. Bureau of Labor Statistics. ¹June, 1982. ²Total unemployment as percent of civilian labor force.

Preliminary ³Insured unemployment as percent of average covered employment in the previous year

Source: U.S. Employment and Training Administration, *Manpower Report of the President*, annual; and U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment*, annual; and unpublished data.

NO. 658. LABOR TURNOVER RATES IN MANUFACTURING: 1960 TO 1981

[Rate per 100 wage and salary workers per month. See also *Historical Statistics, Colonial Times to 1970*, series D (M1028)]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Accessions ¹	3.8	4.3	4.0	4.5	4.8	4.2	3.7	3.9	4.0	4.1	4.0	3.5	3.2
New hires	2.2	3.1	2.8	3.3	3.8	3.2	2.0	2.6	2.6	3.1	2.8	2.1	2.0
Separations ²	4.3	4.1	4.6	4.3	4.7	4.9	4.2	3.8	3.8	3.9	4.0	4.0	3.6
Quits	1.3	1.9	2.1	2.3	2.8	2.4	1.4	1.7	1.6	2.1	2.0	1.5	1.3
Layoffs	2.4	1.4	1.6	1.1	.9	1.5	2.1	1.3	1.1	.9	1.1	1.7	1.6

¹Includes rehires. ²Includes discharges and military and miscellaneous separations.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

**NO. 659. NONAGRICULTURAL ESTABLISHMENTS—EMPLOYEES, HOURS, AND EARNINGS, BY INDUSTRY:
1960 TO 1982**

[Based on data from establishment reports. Includes all full- and part-time employees who worked during, or received pay for, any part of the pay period reported. Excludes proprietors, the self-employed, farmworkers, unpaid family workers, domestic servants, and Armed Forces. Establishment data shown here conform to industry definitions in 1972 Standard Industry Classification Manual and are adjusted to March 1961 employment benchmark; consequently, may not be comparable with previously published data. Based on a Federal-State cooperative program; see Appendix III. See also *Historical Statistics, Colonial Times to 1972*, series D 127-141 and D 608, 676, 681, 684, and 690]

ITEM AND YEAR	Total	NONAGRICULTURAL ESTABLISHMENTS								GROUPED INDUSTRIES	
		Manu- facturing	Whole- sale and retail trade	Govern- ment	Serv- ices	Trans- portation, public utilities	Fi- nance, insur- ance, real estate	Con- struction	Mining	Goods- related ¹	Serv- ice- related and all other
EMPLOYEES (1,000)											
1960	54,189	18,796	11,391	8,353	7,378	4,004	2,629	2,926	712	20,434	33,755
1965	60,766	18,062	12,716	10,074	9,036	4,096	2,977	3,232	632	21,926	38,839
1970	70,860	19,367	15,040	12,554	11,548	4,515	3,645	3,568	623	23,578	47,302
1975	76,945	18,323	17,060	14,686	13,892	4,542	4,185	3,525	752	22,800	54,345
1976	79,382	18,997	17,755	14,871	14,551	4,582	4,271	3,576	779	23,352	56,030
1977	82,471	19,682	18,516	15,127	15,303	4,713	4,487	3,651	813	24,346	58,125
1978	86,697	20,505	19,542	15,672	16,252	4,923	4,724	4,229	851	25,685	61,113
1979	89,823	21,040	20,192	15,947	17,112	5,136	4,975	4,483	958	26,461	63,363
1980	90,406	20,285	20,310	16,241	17,890	5,146	5,180	4,348	1,027	25,658	64,748
1981	91,105	20,173	20,551	16,024	18,592	5,157	5,301	4,176	1,132	25,481	65,625
1982, June ²	89,890	19,929	20,602	15,817	19,012	5,081	5,356	3,942	1,121	23,992	65,898
PERCENT DISTRIBUTION											
1960	100.0	31.0	21.0	15.4	13.6	7.4	4.9	5.4	1.3	37.7	62.3
1965	100.0	29.7	20.9	16.6	14.9	6.7	4.9	5.3	1.0	36.1	63.9
1970	100.0	27.3	21.2	17.7	16.3	6.4	5.1	5.1	.9	33.3	66.7
1975	100.0	23.8	22.2	19.1	18.0	5.9	5.4	4.6	1.0	29.4	70.6
1976	100.0	23.9	22.4	18.7	18.3	5.8	5.4	4.5	1.0	29.4	70.6
1977	100.0	23.6	22.5	18.3	18.6	5.7	5.4	4.7	1.0	29.5	70.5
1978	100.0	23.7	22.5	18.1	18.7	5.7	5.4	4.9	1.0	29.6	70.5
1979	100.0	23.4	22.5	17.8	19.0	5.7	5.5	5.0	1.1	29.6	70.5
1980	100.0	22.4	22.5	18.0	19.8	5.7	5.7	4.8	1.1	28.4	71.6
1981	100.0	22.1	22.6	17.8	20.4	5.7	5.8	4.6	1.2	28.0	72.0
1982, June ²	100.0	21.1	22.9	17.6	21.1	5.7	6.0	4.4	1.2	26.7	73.3
AVERAGE WEEKLY HOURS ³											
1960	38.6	39.7	38.6	(NA)	(NA)	(NA)	37.2	36.7	40.4	(NA)	(NA)
1965	38.6	41.2	37.7	(NA)	35.9	41.3	37.2	37.4	42.3		
1970	37.1	39.8	35.3	(NA)	34.4	40.5	36.7	37.3	42.7		
1975	36.1	39.5	33.9	(NA)	33.5	39.7	36.6	36.4	41.9		
1976	36.1	40.1	33.7	(NA)	33.3	39.8	36.4	36.8	42.4		
1977	36.0	40.3	33.3	(NA)	33.0	39.9	36.4	36.5	43.4		
1978	35.8	40.4	32.9	(NA)	32.8	40.0	36.4	36.8	43.4		
1979	35.7	40.2	32.6	(NA)	32.7	39.9	36.2	37.0	43.0		
1980	35.3	39.7	32.2	(NA)	32.6	39.6	36.2	37.0	43.3		
1981	35.2	39.6	32.2	(NA)	32.6	39.4	36.3	36.9	43.7		
1982, June ²	34.8	39.2	31.9	(NA)	32.6	(NA)	(NA)	(NA)	(NA)		
AVERAGE WEEKLY EARNINGS ⁴											
1960	81	90	66	(NA)	(NA)	(NA)	75	113	105	(NA)	(NA)
1965	95	106	77	(NA)	74	125	89	139	124		
1970	120	133	96	(NA)	97	156	113	195	164		
1975	164	191	126	(NA)	135	233	148	266	249		
1976	175	209	134	(NA)	144	257	155	284	274		
1977	189	229	143	(NA)	153	279	165	296	301		
1978	204	249	154	(NA)	164	303	178	319	333		
1979	220	269	165	(NA)	175	326	191	343	365		
1980	235	289	176	(NA)	191	351	210	368	397		
1981	255	316	191	(NA)	209	382	229	399	439		
1982, June ²	267	334	199	(NA)	223	396	242	426	462		
AVERAGE HOURLY EARNINGS											
1960	2.08	2.26	1.71	(NA)	(NA)	(NA)	2.02	3.07	2.60	(NA)	(NA)
1965	2.48	2.81	2.04	(NA)	2.06	3.03	2.39	3.70	2.92		
1970	3.23	3.35	2.72	(NA)	2.81	3.85	3.07	5.24	3.85		
1975	4.53	4.83	3.73	(NA)	4.02	5.88	4.06	7.31	5.96		
1976	4.86	5.22	3.97	(NA)	4.31	6.45	4.27	7.71	6.48		
1977	5.25	5.66	4.26	(NA)	4.65	6.99	4.54	8.10	6.94		
1978	5.69	6.17	4.67	(NA)	4.99	7.57	4.89	8.66	7.67		
1979	6.16	6.70	5.06	(NA)	5.36	8.16	5.27	9.27	8.49		
1980	6.66	7.27	5.48	(NA)	5.85	8.87	5.79	9.94	9.17		
1981	7.25	7.99	5.93	(NA)	6.41	9.70	6.31	10.80	10.06		
1982, June ²	7.63	8.50	6.19	(NA)	6.82	10.19	6.69	11.41	10.82		

NA Not available. ¹Mining, construction, and manufacturing. ²Preliminary. Seasonally adjusted, except earnings data; for payroll period including the 12th of the month. ³See headnote, table 655.

⁴Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 680. EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS—STATES: 1972 TO 1981

(In thousands. For coverage, see headnote, table 644. National totals differ from the sum of the State figures because of differing benchmarks among States and differing industrial and geographic stratification. Based on 1972 *Standard Industrial Classification Manual* (see text, p. 372).)

STATE	1972, total	1975, total	1978, total	1981, total	Total	1981						
						Manufac- turing	Whole- sale and retail trade	Gov- ernment	Serv- ices	Trans- portation, public utilities	Fi- nance, insur- ance, real estate	Contract con- struction
U.S.	73,676	78,845	86,823	90,408	91,106	20,173	20,851	16,024	18,682	5,157	5,301	4,178
N. Eng.	4,576	4,857	5,363	5,481	5,506	1,510	1,180	896	1,243	236	341	199
Maine	344	357	416	418	417	113	89	83	80	19	17	17
N.H. ¹	279	283	379	■	394	116	89	57	77	14	21	21
Vt.	154	182	198	200	202	51	42	37	45	9	8	11
Mass.	2,252	2,273	2,804	2,852	■	667	575	387	664	120	164	78
R.I.	358	348	400	■	401	126	81	58	88	13	21	12
Conn.	1,190	1,223	1,398	1,427	1,437	437	303	184	290	51	111	51
Mid. Atl.	14,111	13,898	15,313	15,018	15,081	3,503	3,140	2,539	3,425	880	1,067	683
N.Y.	7,039	6,830	7,179	7,207	7,281	1,432	1,484	1,300	1,784	429	655	211
N.J. ²	2,873	2,700	3,027	3,058	3,088	771	680	524	635	193	181	109
Pa.	4,400	4,436	4,806	4,753	4,724	1,300	986	705	1,006	258	241	183
E. No. Cent.	14,871	15,190	17,202	16,762	16,488	4,545	3,867	2,731	3,185	842	873	573
Ohio	3,838	4,016	4,485	4,367	4,323	1,233	945	680	858	218	205	154
Ind. ¹	1,822	1,942	2,236	2,137	2,115	657	489	347	341	104	101	87
Ill.	4,315	4,419	4,883	4,867	4,753	1,135	1,097	787	857	284	317	189
Mich.	3,115	3,137	3,537	3,443	3,378	978	713	616	656	145	154	103
Wis.	1,581	1,677	1,860	1,938	1,920	543	432	319	376	91	96	51
W. No. Cent.	5,570	5,865	6,873	6,805	6,883	1,348	1,111	1,277	1,382	430	378	283
Minn.	1,357	1,474	1,767	1,770	1,783	362	440	298	382	89	98	88
Iowa	912	999	1,132	1,110	1,090	236	275	210	209	54	58	45
Mo.	1,700	1,741	2,011	1,970	1,971	427	■	333	405	138	109	87
N. Dak.	176	204	244	245	249	15	88	81	52	17	12	15
S. Dak.	190	209	241	238	237	26	84	56	52	13	11	10
Nebr.	517	558	631	628	625	95	163	131	121	47	41	26
Kans.	718	801	947	945	■	188	228	187	174	63	48	43
So. Atl.	11,458	12,104	14,282	14,895	14,853	3,036	3,310	3,073	2,768	625	802	636
Del.	232	230	257	259	259	71	58	44	49	12	13	13
Md.	1,415	1,479	1,891	1,712	1,710	231	408	422	377	88	93	88
D.C.	572	577	813	818	812	15	84	275	187	28	34	12
Va.	1,855	1,779	2,115	2,157	2,180	412	483	510	416	117	108	118
W. Va.	541	575	659	648	624	111	131	131	101	■	22	28
N.C.	1,912	1,980	2,373	2,380	2,386	617	473	409	352	117	98	116
S.C.	920	983	1,176	1,189	1,197	392	231	234	(NA)	54	50	71
Ge.	1,895	1,756	2,128	2,158	2,183	520	503	434	359	144	114	102
Fla.	2,513	2,746	■	3,576	3,722	467	983	615	663	229	272	283
E. So. Cent.	4,181	4,411	5,223	5,143	5,108	1,362	1,111	1,016	858	285	222	228
Ky.	989	1,058	1,245	1,210	1,183	272	268	227	215	57	52	51
Tenn.	1,450	1,505	1,777	1,747	1,748	507	373	309	307	86	78	77
Ala.	1,072	1,155	1,382	1,358	1,350	362	271	293	211	72	59	68
Miss.	849	892	938	929	921	221	163	187	121	41	33	42
W. So. Cent.	6,408	7,236	8,868	8,811	8,706	1,737	2,914	1,676	1,993	628	513	688
Ark.	582	624	749	742	740	210	180	138	117	43	32	34
La.	1,129	1,250	1,517	1,579	1,628	220	369	308	288	132	75	139
Okl.	812	900	1,087	1,138	1,193	199	278	237	202	69	58	54
Tex.	3,884	4,463	5,602	5,851	6,144	1,107	1,111	995	■	384	347	421
MT.	3,529	3,423	4,413	4,802	4,885	574	1,089	834	1,004	284	250	279
Mont.	215	238	284	280	285	24	74	71	57	23	19	19
Idaho	237	273	338	330	328	52	80	70	80	20	23	18
Wyo.	117	148	201	210	217	10	49	43	32	18	8	19
Colo.	889	964	1,218	1,251	1,280	184	311	243	288	82	80	73
N. Mex.	328	370	481	465	475	34	107	126	94	29	22	33
Ariz.	548	729	980	1,014	1,039	180	254	200	216	54	61	70
Utah	393	440	548	551	558	90	130	125	104	35	28	28
Nev.	223	263	384	400	414	20	85	57	175	25	18	28
Pac.	9,800	10,415	12,863	13,079	13,239	2,589	3,089	2,438	3,064	751	847	■
Wash.	1,100	1,225	1,551	1,608	1,598	302	383	324	317	89	91	89
Oreg.	774	837	■	1,045	1,019	■	254	202	182	80	88	36
Calif.	7,210	7,847	9,886	9,852	10,040	2,019	2,317	1,763	2,281	553	648	433
Alaska ³	103	162	167	169	177	12	31	57	31	18	9	12
Hawaii	313	343	384	405	405	23	108	■	202	31	32	22

NA Not available. ¹Includes mining, not shown separately. ²Beginning 1979, data not comparable with prior years.

³Adjusted to March 1980 benchmark levels.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. Compiled from data supplied by cooperating State agencies.

**NO. 661. NONAGRICULTURAL INDUSTRIES—NUMBER OF EMPLOYEES, 1970 TO 1981, AND NUMBER
AND EARNINGS OF PRODUCTION WORKERS, 1975 TO 1981**

[Annual averages of monthly figures. Covers all full- and part-time employees who worked during, or received pay for, any part of the pay period including the 12th of the month. For mining and manufacturing, data refer to production and related workers; for construction, to employees engaged in actual construction work; and for other industries, to nonsupervisory employees and working supervisors. See also headnote, table 660. See *Historical Statistics, Colonial Times to 1970*, series D 127-151, D 802-810, and D 877-882, for related data.]

INDUSTRY	ALL EMPLOYEES, NUMBER (1,000)				PRODUCTION WORKERS					
					Number (1,000)			Average hourly earnings (dollars)		
	1970	1975	1980	1981	1975	1980	1981	1975	1980	1981
Total	70,880	78,846	90,406	91,106	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Private sector ¹	68,325	76,288	87,186	87,081	60,981	69,331	80,981	4.83	6.86	7.26
Mining	823	762	1,027	1,182	571	762	832	5.95	8.17	10.65
Metal mining	93	94	96	104	73	74	78	6.13	10.26	11.55
Coal mining	145	213	246	222	182	204	184	17.22	11.85	11.89
Oil and gas extraction	270	329	580	686	223	389	478	5.38	8.59	8.51
Nonmetallic minerals, except fuels	115	117	123	119	82	86	81	4.95	7.52	8.29
Construction	3,888	3,825	4,346	4,176	2,808	3,421	3,356	7.31	8.94	10.80
General building contractors	1,068	1,012	1,173	1,067	799	900	818	6.78	9.22	9.84
Heavy construction contractors	784	780	927	903	615	746	725	6.81	9.20	10.29
Special trade contractors	1,738	1,753	2,246	2,186	1,394	1,776	1,708	7.87	10.65	11.50
Manufacturing	19,367	18,323	20,285	20,178	13,043	14,314	14,921	4.83	7.27	7.98
Durable goods	11,308	10,888	12,187	12,117	7,567	8,442	8,501	5.16	7.76	8.68
Lumber and wood products, except furniture ²	645	615	691	689	517	576	558	4.26	6.56	7.00
Logging camps and logging contractors	70	74	88	82	69	71	65	5.26	8.64	9.18
Sawmills and planing mills	215	202	215	208	180	180	182	4.34	6.70	7.19
Millwork, plywood, and structural members	(NA)	186	200	192	137	164	158	4.26	6.41	6.89
Wooden containers	(NA)	39	43	42	34	37	38	3.37	4.95	5.40
Furniture and fixtures ³	440	417	486	467	337	378	378	3.78	5.49	5.91
Household furniture	(NA)	284	301	289	236	263	250	3.54	5.12	5.49
Office furniture	39	37	50	54	26	40	42	4.16	6.91	8.39
Partitions and fixtures	52	51	63	61	36	47	46	4.62	6.68	7.11
Stone, clay, and glass products ⁴	644	629	662	638	499	513	491	4.92	7.50	8.27
Flat glass	24	18	18	18	14	14	14	6.08	9.86	10.78
Glass and glassware, pressed ⁴	132	127	124	121	106	106	102	4.99	7.87	8.76
Cement, hydraulic	33	31	31	31	24	25	24	6.36	10.56	11.06
Structural clay products	58	48	46	41	39	34	31	4.01	6.14	6.71
Pottery and related products	44	43	46	43	36	36	35	4.13	6.26	6.80
Concrete, gypsum, and plaster products	189	180	204	193	148	157	148	4.99	7.45	8.17
Primary metal industries ⁵	1,260	1,139	1,142	1,121	867	876	861	6.16	9.77	10.81
Blas furnace and basic steel products	627	548	512	505	428	396	391	5.94	11.39	12.60
Iron and steel foundries	229	230	209	201	180	167	160	5.45	8.20	9.02
Primary nonferrous metals	72	68	71	70	51	53	53	6.24	10.63	11.96
Nonferrous rolling and drawing	213	181	211	206	129	151	149	5.54	8.81	9.88
Nonferrous foundries	83	78	90	90	62	72	72	4.93	7.30	7.96
Fabricated metal products ⁶	1,580	1,458	1,613	1,582	1,080	1,185	1,173	6.06	7.45	8.20
Metal cans and shipping containers	91	79	75	71	67	63	61	6.28	9.84	10.84
Cutlery, hand tools, and hardware	150	163	164	160	116	125	122	4.78	7.02	7.77
Plumbing and heating, exc. electric	(NA)	61	70	69	43	50	50	4.50	6.62	7.25
Fabricated structural metal products	428	456	513	506	322	356	346	4.99	7.26	7.98
Screw machine products, bolts, etc.	104	93	109	106	72	84	81	4.80	6.96	7.71
Metal forgings and stampings	(NA)	249	264	257	198	207	203	5.65	8.56	9.45
Machinery except electrical ⁷	1,984	2,057	2,484	2,507	1,339	1,602	1,585	5.37	8.00	8.81
Engines and turbines	111	120	135	134	76	87	86	6.03	9.73	10.66
Farm and garden machinery	(NA)	161	169	158	114	118	105	5.92	8.78	9.79
Construction and related machinery	275	342	369	402	230	265	264	5.62	8.60	9.81
Metalworking machinery	318	307	373	366	222	273	284	5.49	8.16	8.93
Special industry machinery	197	164	207	199	117	133	126	5.03	7.51	8.19
General industrial machinery	286	290	324	321	192	212	206	5.40	7.96	8.74
Office and computing machines	288	288	432	484	122	186	188	4.82	6.74	7.46
Refrigeration and service industry	149	144	174	176	97	120	123	4.91	7.23	8.00
Electric and electronic equipment ⁸	1,871	1,702	2,091	2,082	1,091	1,328	1,312	4.84	6.94	7.62
Electric distributing equipment	143	114	123	122	79	86	86	4.84	6.96	7.65
Electrical industrial apparatus	217	212	240	241	146	169	171	4.89	7.12	7.83
Household appliances	164	161	163	161	124	129	128	4.60	6.95	7.59
Electric lighting and wiring equipment	197	181	208	203	136	156	150	4.35	6.42	7.06
Radio and TV receiving equipment	132	112	109	107	80	79	76	4.20	6.42	7.13
Communication equipment	524	457	541	552	221	267	268	5.25	7.93	8.75
Electronic components and access	367	338	554	559	207	334	327	3.01	6.05	6.82
Transportation equipment ⁹	1,853	1,715	1,900	1,893	1,154	1,233	1,216	6.07	9.35	10.39
Motor vehicles and equipment	799	792	789	784	602	575	583	6.44	9.85	11.01
Aircraft and parts	664	514	652	649	271	356	345	6.00	9.26	10.31
Ship and boat building and repairs	172	194	221	229	160	176	176	5.23	8.22	9.00
Railroad equipment	51	57	71	65	44	53	37	6.02	8.93	10.84

See footnotes at end of table.

No. 661. NONAGRICULTURAL INDUSTRIES—NUMBER OF EMPLOYEES, 1970 TO 1981, AND NUMBER AND EARNINGS OF PRODUCTION WORKERS, 1975 TO 1981—Continued

[See headnote, p. 396]

INDUSTRY	ALL EMPLOYEES, NUMBER (1,000)				PRODUCTION WORKERS					
					Number (1,000)			Average hourly earnings (dollars)		
	1970	1975	1980	1981	1975	1980	1981	1975	1980	1981
Instruments and related products	527	550	711	727	332	426	428	4.53	6.80	7.43
Engineering and scientific instruments	71	82	77	79	31	37	38	4.82	7.12	7.78
Measuring and controlling devices	171	170	245	258	103	154	161	4.43	6.85	7.25
Optical instruments and lenses			33	33		18	19		7.32	7.98
Ophthalmic goods	58	58	44	41	39	31	29	3.75	5.30	5.62
Medical instruments and supplies	83	108	158	160	74	101	101	4.02	5.80	6.42
Photographic equip. and supplies	113	121	135	137	61	87	87	6.70	8.83	9.78
Watches, clocks, and watchcases	31	30	22	20	24	17	15	3.89	5.24	5.74
Misc. manufacturing industries ²	428	407	418	411	311	313	304	3.81	5.48	5.98
Jewelry, silverware, plated ware	51	52	58	57	38	40	41	4.00	5.78	6.43
Toys and sporting goods	118	118	117	117	80	88	88	3.48	5.01	5.54
Pens, pencils, office/art supplies	34	33	37	37	23	27	28	3.80	5.58	6.08
Costume jewelry and notions	61	57	51	46	46	41	38	3.29	4.71	5.14
Nonurable goods	8,188	7,836	8,088	8,068	5,485	5,772	5,721	4.37	6.56	7.18
Food and kindred products ²	1,788	1,858	1,708	1,674	1,120	1,175	1,151	4.61	6.85	7.43
Meat products	343	338	358	354	274	298	295	4.80	6.99	7.42
Dairy products	241	184	175	170	89	96	94	4.80	6.86	7.53
Preserved fruits and vegetables	(NA)	242	256	240	200	210	197	4.00	5.94	6.52
Grain mill products	136	138	144	140	85	99	97	4.95	7.67	8.28
Bakery products	274	232	225	218	132	131	127	4.67	7.21	7.89
Sugar and confectionery products	120	107	108	107	82	79	82	4.45	6.57	7.19
Fats and oils	(NA)	41	44	43	29	32	32	4.82	7.03	7.73
Beverages	236	221	234	234	106	105	103	5.44	8.12	8.94
Tobacco manufactures	83	78	88	70	82	54	54	4.55	7.74	8.66
Cigarettes	44	44	48	47	36	35	36	5.55	9.23	10.67
Textile mill products ²	975	888	848	823	752	737	712	3.42	5.07	5.52
Weaving mills, cotton	206	158	150	142	143	135	126	3.42	5.25	5.70
Weaving mills, synthetic	100	113	116	112	100	104	100	3.48	5.30	5.80
Weaving and finishing mills, wool	37	20	18	18	16	16	16	3.51	5.21	5.68
Narrow fabric mills	30	23	23	24	20	20	21	3.24	4.83	5.04
Knitting mills	250	225	220	217	183	191	188	3.29	4.76	5.13
Textile finishing, except wool	84	81	74	71	89	82	58	3.71	5.39	5.87
Floor covering mills	57	55	54	53	45	44	42	3.47	5.20	5.70
Yarn and thread mills	131	125	125	121	114	113	109	3.18	4.78	5.18
Apparel and other textile products ²	1,364	1,243	1,264	1,244	1,067	1,079	1,069	3.17	4.58	4.96
Men's and boys' suits and coats	119	88	77	77	78	67	67	3.84	5.34	5.71
Men's and boys' furnishings	376	358	362	348	306	310	298	2.88	4.23	4.57
Women's and misses outerwear	424	404	417	408	352	360	350	3.23	4.61	4.95
Undergarments ²	117	94	90	91	81	76	77	2.80	4.15	4.52
Children's outerwear	74	88	84	84	57	55	54	2.94	4.20	4.55
Misc. apparel, accessories	(NA)	56	56	57	50	48	49	3.09	4.48	4.80
Paper and allied products	706	642	683	688	480	523	518	5.01	7.84	8.60
Paper and pulp mills	219	197	203	203	150	152	153	5.54	9.15	10.06
Paperboard mills	71	61	65	63	48	51	50	5.74	8.28	10.23
Misc. converted paper products	190	191	220	220	134	163	162	4.57	6.89	7.58
Paperboard containers and boxes	225	194	205	202	148	157	154	4.59	6.94	7.53
Printing and publishing ²	1,104	1,083	1,252	1,266	624	699	698	5.38	7.53	8.18
Newspapers	373	377	420	422	188	184	182	5.81	7.72	8.35
Periodicals	75	88	90	96	12	16	19	5.13	7.16	7.80
Books	101	88	101	100	48	52	51	4.84	6.78	7.48
Commercial printing	354	348	414	417	282	307	307	5.46	7.85	8.50
Blankbooks and bookbinding	58	55	82	83	45	51	51	4.10	5.78	6.31
Chemicals and allied products ²	1,049	1,015	1,107	1,107	580	626	627	5.39	6.30	6.12
Industrial inorganic chemicals	(NA)	149	161	180	90	87	87	5.73	9.07	10.18
Plastics materials and synthetics	233	218	205	195	136	137	129	5.28	6.21	6.01
Drugs	149	167	196	198	84	97	88	5.18	7.69	8.30
Soap, cleaners, and toilet goods	127	122	141	146	73	86	81	5.15	7.67	8.38
Paints and allied products	70	82	85	83	38	33	31	5.01	7.39	8.03
Agricultural chemicals	(NA)	65	72	71	42	45	44	4.93	8.12	8.86
Petroleum and coal products ²	191	184	198	216	123	125	135	8.48	10.10	11.38
Petroleum refining	154	183	185	174	93	93	105	6.83	10.84	12.18
Paving and roofing materials	(NA)	30	31	29	23	24	22	5.24	7.68	8.64
Rubber and misc. plastics products	580	608	727	736	485	559	568	4.39	6.52	7.16
Tires and inner tubes	116	124	115	107	90	81	75	5.83	9.74	11.05
Leather and leather products ²	320	248	233	233	213	197	197	3.21	4.58	4.99
Leather tanning and finishing	27	22	19	21	19	16	17	4.28	6.10	6.60
Footwear except rubber	213	158	144	143	138	123	123	3.08	4.42	4.82
Handbags, personal leather goods	34	31	30	30	26	25	25	3.11	4.33	4.68

See footnotes at end of table.

NO. 661. NONAGRICULTURAL INDUSTRIES—NUMBER OF EMPLOYEES, 1970 TO 1981, AND NUMBER AND EARNINGS OF PRODUCTION WORKERS, 1975 TO 1981—Continued

[See headnote, p. 395]

INDUSTRY	ALL EMPLOYEES, NUMBER (1,000)				PRODUCTION WORKERS					
	1970	1975	1980	1981	Number (1,000)			Average hourly earnings (dollars)		
					1975	1980	1981	1975	1980	1981
Transp. and public utilities ¹	4,518	4,542	5,146	5,157	3,884	4,299	4,277	5.88	6.37	6.78
Railroad transportation	834	546	532	486	(?)	(?)	(?)	(?)	(?)	(?)
Class I railroads ²	586	486	482	457	(NA)	(NA)	(NA)	*6.05	*9.92	*10.65
Local and interurban passenger transit	281	270	285	269	253	244	249	4.15	6.34	6.73
Trucking and warehousing	1,082	1,108	1,280	1,254	978	1,121	1,083	6.00	9.13	9.92
Air transportation	352	383	404	403	(?)	(?)	(?)	(?)	(?)	(?)
Pipelines, except natural gas	18	18	21	22	13	15	15	6.88	10.50	11.50
Transportation services	115	134	188	212	(?)	(?)	(?)	(?)	(?)	(?)
Communication ¹	1,129	1,178	1,357	1,384	911	1,014	1,035	5.54	6.50	6.46
Telephone communication	942	967	1,072	1,076	740	779	782	5.81	6.72	6.80
Radio and television broadcasting	138	155	200	208	124	160	168	5.10	7.44	8.21
Electric, gas, and sanitary services ¹	691	731	827	850	613	677	685	6.03	6.90	6.90
Electric services	290	323	381	404	267	316	327	6.06	9.12	10.03
Gas production and distribution	161	162	166	174	135	136	142	5.50	8.27	9.13
Combination utility services	186	187	197	198	160	162	163	6.74	9.64	11.07
Sanitary services	(NA)	38	48	50	34	43	44	4.84	7.04	7.84
Wholesale and retail trade	16,048	17,888	20,318	20,581	15,823	17,812	17,880	3.73	5.46	5.83
Wholesale trade	3,993	4,415	5,275	5,358	3,837	4,312	4,380	4.73	6.96	7.57
Retail trade ²	11,047	12,845	15,035	15,192	11,387	13,500	13,800	3.38	4.86	5.25
General merchandise stores	(NA)	2,113	2,245	2,238	1,944	2,080	2,038	3.21	4.77	5.15
Food stores	1,731	2,007	2,384	2,428	1,854	2,202	2,253	4.08	6.24	6.87
Apparel and accessory stores	781	806	957	986	705	820	827	3.03	4.30	4.65
Furniture and home furn. stores	472	517	608	599	436	502	495	3.99	5.53	5.94
Eating and drinking places	2,575	3,380	4,828	4,743	3,147	4,256	4,370	2.55	3.69	3.95
Finance, insurance, real estate	3,846	4,165	5,188	5,301	3,173	3,907	4,002	4.08	5.79	6.31
Banking	1,044	1,274	1,571	1,627	1,008	1,210	1,243	3.52	4.94	5.36
Credit agencies other than banks	380	432	570	585	329	431	444	3.71	5.12	5.60
Security, commod. brokers, services	205	170	227	261	(?)	(?)	(?)	(?)	(?)	(?)
Insurance carriers	1,030	1,085	1,224	1,233	751	854	853	4.35	6.29	7.00
Insurance agents, brokers, services	288	339	452	466	(?)	(?)	(?)	(?)	(?)	(?)
Real estate	881	748	981	990	(?)	(?)	(?)	(?)	(?)	(?)
Other finance, insurance, real estate	57	117	135	140	(?)	(?)	(?)	(?)	(?)	(?)
Services ²	11,548	13,882	17,880	18,582	12,478	15,821	16,538	4.02	5.85	6.41
Hotels and other lodging places	(NA)	888	1,078	1,119	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Personal services	989	861	901	914	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Business services	1,878	2,042	3,082	3,255	1,778	2,898	2,848	4.16	6.02	6.52
Motion pictures	204	208	217	217	181	191	188	4.26	7.88	8.41
Health services	3,053	4,134	5,278	5,555	3,725	4,712	4,988	3.81	5.88	6.33
Government	12,554	14,888	16,241	16,024	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Federal Government	2,731	2,748	2,866	2,772	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
State and local government	9,823	11,937	13,375	13,253	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹Excludes government. ²11-month average. ³Includes industries not shown separately.
⁴Includes blown. ⁵Women's and children's. ⁶Included in "Private sector" total; not available separately. ⁷For changes in "Class I" classification, see text, p. 604. ⁸Includes all employees except executives, officials, and staff assistants who received pay during the month.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Figure 13.3

**Productivity, Hourly Compensation, and Unit Labor Costs:
1965 to 1981**



the Census. For data, see table

NO. 862. INDEXES OF OUTPUT PER HOUR—SELECTED INDUSTRIES: 1965 TO 1981

[1977 = 100. See text, p. 372. See also *Historical Statistics, Colonial Times to 1970*, series W 14, 17, and 19, W 30-54, and W 62-65]

INDUSTRY	ALL EMPLOYEES						PRODUCTION WORKERS					
	1965	1970	1975	1979	1980	1981, prel.	1965	1970	1975	1979	1980	1981, prel.
Manufacturing:												
Aluminum rolling and drawing	80.0	88.0	87.5	101.5	101.3	97.2	80.0	88.8	92.5	102.4	105.0	99.3
Bakery products	77.5	87.5	93.4	94.1	82.3	98.0	75.1	83.0	94.5	93.4	90.7	96.7
Belt and roller bearings	90.0	85.5	97.5	105.3	94.7	93.3	88.3	86.3	97.9	103.0	92.8	92.4
Bottled and canned soft drinks	87.8	70.0	87.2	105.6	109.8	113.0	80.9	65.5	86.1	109.1	116.4	123.3
Cement, hydraulic	73.2	84.8	84.7	96.0	87.0	86.2	72.3	85.0	85.3	94.9	87.4	87.8
Concrete products	71.3	82.3	91.9	94.6	83.2	(NA)	69.6	79.6	92.4	95.0	96.5	(NA)
Construction machinery, equipment	80.0	83.4	93.9	100.3	97.4	92.1	75.4	82.0	92.3	101.3	102.1	96.5
Copper rolling and drawing	88.1	78.8	76.8	96.8	94.3	101.1	82.6	78.9	80.4	98.0	98.3	102.7
Corrugated, solid fiber boards	80.7	73.1	98.2	107.1	111.3	114.3	58.2	70.8	98.3	106.6	113.4	116.1
Electric lamps	88.7	88.3	98.4	106.2	104.7	107.5	88.0	87.3	96.9	105.1	104.2	107.8
Fabricated structural metal	97.1	102.2	97.4	102.0	101.9	106.7	94.9	102.2	96.9	100.2	99.7	105.3
Farm and garden machinery	72.2	75.7	87.7	103.2	98.3	(NA)	88.6	75.2	95.3	101.7	99.8	(NA)
Fluid milk	69.3	73.7	95.5	116.2	124.8	130.7	(x)	(x)	(x)	(x)	(x)	(x)
Folding paperboard boxes	73.5	77.4	96.5	101.4	97.1	93.9	72.9	77.1	100.6	101.1	97.5	95.4
Footwear	97.9	100.3	101.3	100.2	101.2	97.6	85.5	99.3	101.6	101.0	102.3	98.0
Glass containers	80.3	87.2	96.5	105.9	111.5	113.7	78.2	86.4	98.5	105.7	112.2	114.0
Grain mill products	86.0	79.7	87.1	102.2	107.5	(NA)	86.0	78.9	86.2	101.5	107.6	(NA)
Gray iron foundries	78.8	78.8	97.0	98.8	90.8	96.2	78.2	78.8	96.9	94.8	100.1	
Hosiery	41.4	85.5	94.3	106.5	105.3	113.4	40.6	86.8	96.4	108.4	108.1	116.6
Household furniture	77.2	82.2	97.5	101.3	99.7	(NA)	75.6	82.2	96.4	102.1	101.6	(NA)
Lighting fixtures	72.3	76.1	89.2	94.9	94.1	(NA)	67.5	77.3	90.1	94.8	95.9	(NA)
Machine tools	101.4	91.7	103.0	101.9	98.7	103.2	91.7	89.8	101.7	97.7	96.4	105.0
Major household appliances	82.2	70.2	93.0	108.7	114.0	(NA)	61.9	70.5	96.0	109.1	116.2	(NA)
Malt beverages	42.3	56.7	86.1	107.4	112.1	117.0	44.5	59.9	88.0	106.7	112.1	119.9
Metal cans	70.3	78.8	87.0	103.8	102.6	110.0	69.5	77.5	87.9	104.1	104.0	110.8
Motor vehicles and equipment	88.6	70.5	87.7	98.5	92.2	96.5	67.7	72.5	89.8	100.0	99.4	101.8
Motors and generators	88.3	87.8	93.0	97.9	94.9	(NA)	88.6	89.5	96.3	98.3	98.3	(NA)
Nonwool yarn mills	84.6	84.3	101.2	103.9	99.8	(NA)	83.2	83.6	102.0	103.8	100.5	(NA)
Paints and allied products	73.3	74.9	94.2	105.7	101.8	102.6	72.0	73.3	99.0	104.4	106.1	108.9
Paper and plastic bags	72.7	75.8	99.8	97.6	94.0	(NA)	72.6	74.4	100.4	97.6	94.5	(NA)
Paper paperboard, pulp mills	65.4	77.5	86.7	105.4	105.4	107.5	63.7	75.8	87.7	106.2	106.6	108.2
Petroleum refining	63.6	73.8	88.7	94.9	94.2	(NA)	62.5	74.1	89.7	96.8	100.3	(NA)
Pharmaceuticals	58.5	74.8	92.5	106.4	106.2	(NA)	53.6	70.0	94.1	103.5	107.0	(NA)
Preserved fruits and vegetables	70.3	79.7	93.7	99.3	101.2	(NA)	69.0	78.6	92.5	99.6	102.4	(NA)
Primary aluminum	85.4	92.5	96.2	99.7	100.0	100.9	84.1	92.2	100.1	99.2	102.3	105.1
Primary copper, lead, and zinc	80.0	78.1	85.3	106.5	103.5	117.4	75.8	74.6	86.4	105.1	105.9	118.6
Radio and TV receiving sets	83.6	70.6	90.1	118.1	115.0	(NA)	58.1	71.2	91.6	121.5	120.3	(NA)
Ready-mixed concrete	90.3	91.1	97.5	99.9	93.1	(NA)	(x)	(x)	(x)	(x)	(x)	(x)
Sawmills and planing mills, general	81.8	80.0	98.8	104.6	102.0	99.3	80.9	80.1	96.9	105.7	105.3	102.5
Soaps and detergents	69.9	83.9	97.3	104.0	108.4	(NA)	64.5	81.9	95.0	101.3	106.5	(NA)
Steel	87.5	87.6	93.3	106.9	102.9	112.2	82.6	86.0	93.5	105.1	104.3	113.1
Steel foundries	94.1	90.6	107.5	99.4	99.1	93.6	88.8	88.4	105.0	96.8	99.0	94.6
Structural clay products	87.6	78.2	91.0	98.1	87.6	93.6	84.9	79.7	92.0	96.5	101.0	96.7
Sugar	74.4	85.9	94.0	108.6	109.1	103.4	69.5	80.1	93.8	109.2	106.5	99.0
Synthetic fibers	41.6	53.8	84.5	115.0	115.7	123.0	41.6	53.9	86.9	113.9	117.4	124.5
Tires and inner tubes	81.3	87.6	91.8	109.5	105.8	119.6	80.8	80.1	95.5	109.1	110.0	124.1
Tobacco products	83.4	86.8	93.9	102.2	102.2	101.4	79.2	83.1	93.2	103.6	106.2	104.0
Transformers	79.9	69.1	89.3	108.5	110.7	(NA)	77.0	84.9	92.0	105.9	111.4	(NA)
Veneer and plywood	64.0	83.2	97.8	96.7	96.5	(NA)	62.1	83.0	99.9	97.5	101.4	(NA)
Mining: Coal	128.3	141.1	105.3	99.4	112.5	122.9	125.0	137.5	104.7	101.3	115.3	126.2
Copper (recoverable metal)	83.3	85.5	77.2	97.9	91.3	96.3	76.8	80.7	76.5	96.1	90.8	95.6
Iron (usable ore)	95.3	111.1	117.8	125.6	127.5	136.9	83.1	100.3	107.1	115.6	122.2	129.1
Nonmetallic minerals	75.2	89.7	90.6	102.4	96.3	97.9	72.0	86.8	91.6	102.1	97.8	101.7
Transportation, utilities, and trade:												
Air transportation ¹	54.4	71.4	87.6	113.1	106.2	(NA)	(x)	(x)	(x)	(x)	(x)	(x)
Bus carriers ²	116.3	107.9	97.0	101.5	104.8	(NA)	(x)	(x)	(x)	(x)	(x)	(x)
Drug and proprietary stores ³	59.9	83.4	94.2	102.7	105.3	102.5	(x)	(x)	(x)	(x)	(x)	(x)
Eating and drinking places ⁴	93.7	101.0	101.0	96.0	94.6	92.8	(x)	(x)	(x)	(x)	(x)	(x)
Franchised new car dealers	79.2	86.1	95.0	94.6	99.5	100.3	(x)	(x)	(x)	(x)	(x)	(x)
Gas and electric utilities ⁵	64.3	84.6	95.7	97.6	96.2	94.8	60.6	81.1	94.3	98.7	97.3	95.8
Gasoline service stations ⁶	59.2	75.3	85.6	106.8	104.1	106.4	(x)	(x)	(x)	(x)	(x)	(x)
Hotels, motels, tourist courts ⁷	77.1	85.1	89.7	102.4	96.1	94.3	(x)	(x)	(x)	(x)	(x)	(x)
Intercity trucking ⁸	77.2	83.5	88.2	96.6	94.2	(NA)	(x)	(x)	(x)	(x)	(x)	(x)
Laundry and cleaning services ⁹	63.7	95.5	96.9	94.0	87.7	84.9	(x)	(x)	(x)	(x)	(x)	(x)
Petroleum pipelines	51.6	79.5	95.7	101.7	83.0	85.3	45.3	73.6	82.6	105.1	95.6	89.7
RR transport (revenue traffic) ¹⁰	66.1	77.7	89.5	104.7	107.3	112.9	64.3	76.9	89.9	104.8	108.4	114.7
Retail food stores ¹¹	91.9	109.8	100.7	97.3	99.7	101.2	(x)	(x)	(x)	(x)	(x)	(x)
Telephone communications	50.6	62.1	85.9	110.8	118.1	124.5	(x)	(x)	(x)	(x)	(x)	(x)

NA Not available X Not applicable ¹Refers to output per employee. ²Class 1 interstate carriers regulated by the ICC. ³Data relate to all persons (paid employees, unpaid family workers, and the self-employed). ⁴Production workers refers to nonsupervisory workers. ⁵Class line-haul railroads and switching and terminal companies.

Source: U.S. Bureau of Labor Statistics, News Release 82-251, "Increases in Productivity by Industry Reported by BLS."

No. 663. INDEXES OF PRODUCTIVITY AND RELATED MEASURES: 1960 TO 1981

[See text, p. 372. Minus sign (–) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series D 689–704 and W 22–25]

ITEM	1960	1965	1970	1974	1975	1976	1978	1979	1980	1981
INDEXES (1977 = 100)										
Output, ¹ business sector.....	53.5	67.8	78.4	90.1	88.4	93.8	105.5	107.8	108.2	108.9
Nonfarm business.....	52.5	67.2	78.0	90.0	88.0	93.7	105.7	106.0	106.3	106.8
Manufacturing.....	50.7	69.8	77.0	91.9	85.4	93.6	105.3	106.2	103.8	105.9
Hours, ² business sector.....	82.0	86.6	90.9	97.3	93.3	96.0	104.9	106.2	107.4	108.2
Nonfarm business.....	77.0	83.5	89.8	96.7	92.7	95.8	105.0	108.7	108.0	108.7
Manufacturing.....	84.4	93.6	97.3	101.2	91.4	95.9	104.4	108.5	101.8	101.3
Output per paid hour, business sector.....	65.2	78.3	86.2	92.6	94.7	97.6	100.6	99.6	98.9	100.7
Nonfarm business.....	68.3	80.5	86.8	93.1	94.9	97.8	100.6	99.3	98.5	99.9
Manufacturing.....	60.0	74.5	79.1	90.8	93.4	97.5	100.9	101.5	101.7	104.5
Compensation per hour, ³ business sector.....	33.9	41.7	58.2	78.0	85.5	92.9	106.6	119.1	131.4	144.1
Nonfarm business.....	35.7	42.8	58.7	78.5	86.0	93.0	106.6	118.8	130.9	143.6
Manufacturing.....	36.7	42.8	57.6	76.3	85.4	92.3	106.3	118.9	132.8	146.4
Unit labor cost, ⁴ business sector.....	52.0	53.3	67.5	84.2	80.3	95.1	106.0	119.5	132.9	143.1
Nonfarm business.....	52.2	53.2	67.6	84.3	80.6	95.1	106.0	119.6	133.0	143.8
Manufacturing.....	61.1	57.5	72.7	84.1	91.5	94.6	107.4	117.1	130.6	140.0
ANNUAL PERCENT CHANGE ⁵										
Output, ¹ business sector.....	1.6	6.8	–.8	–1.9	–1.9	6.1	5.5	2.3	–1.5	2.5
Nonfarm business.....	1.5	6.9	–1.0	–1.9	–2.2	6.5	5.7	2.2	–1.5	2.2
Hours, ² business sector.....	.2	3.2	–1.7	.5	–4.1	3.0	4.9	3.2	–.7	.7
Nonfarm business.....	.6	3.7	–1.3	.5	–4.1	3.4	5.0	3.5	–.7	.7
Output per paid hour, business sector.....	1.5	3.5	.9	–2.3	2.3	3.1	.6	–.9	–.7	1.8
Nonfarm business.....	.8	3.1	.3	–2.4	2.0	3.0	.6	–1.3	–.9	1.4
Compensation per hour, ³ business sector.....	4.2	3.9	7.4	9.3	9.6	8.6	8.6	9.7	10.4	9.6
Nonfarm business.....	4.3	3.4	7.0	9.4	9.6	8.2	8.6	9.3	10.2	9.7
Unit labor cost, ⁴ business sector.....	2.7	.3	6.5	11.9	7.2	5.3	8.0	10.7	11.2	7.7
Nonfarm business.....	3.5	.3	6.6	12.1	7.4	5.0	8.0	10.7	11.2	8.1

¹Refers to gross domestic product originating in the sector, in 1972 prices. ²Hours of all persons engaged in the business and nonfarm business sectors (employees, proprietors, and unpaid family workers); employees' and proprietors' hours in manufacturing. ³Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Also includes an estimate of same for self-employed. ⁴Hourly compensation divided by output per paid hour. ⁵Changes for 1960, 1965, 1970, 1974, and 1978 are from the immediately prior year.
Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*.

No. 664. AVERAGE ANNUAL TOTAL COMPENSATION AND WAGES AND SALARIES PER FULL-TIME EQUIVALENT EMPLOYEE, BY INDUSTRY: 1965 TO 1981

[In dollars, except percent. Wage and salary payments include executives' compensation, bonuses, tips, and payments in kind; total compensation includes, in addition to wages and salaries, employer contributions for social insurance, compensation for injuries, directors' fees, jury and witness fees, etc. See *Historical Statistics, Colonial Times to 1970* series D 739–764 and D 893–904, for related but not comparable data]

INDUSTRY	ANNUAL TOTAL COMPENSATION					ANNUAL WAGES AND SALARIES				
	1965	1970	1975	1980	1981	1965	1970	1975	1980	1981
All domestic industries.....	6,366	8,644	12,518	18,611	20,372	5,812	7,750	10,836	15,788	17,218
Average annual percent change ¹	4.0	6.3	7.7	8.3	9.5	3.8	5.9	6.9	7.8	9.1
Agriculture, forestry, fisheries.....	3,054	4,530	6,232	10,475	11,244	2,891	4,218	5,629	9,235	9,886
Mining.....	7,782	10,891	17,495	27,666	30,639	6,897	9,445	14,765	23,437	26,069
Construction.....	7,512	10,778	15,130	21,206	23,279	6,923	9,810	13,448	18,571	20,374
Manufacturing.....	7,351	9,585	14,234	22,097	24,296	6,566	8,380	11,903	17,974	19,647
Transportation.....	7,735	10,600	16,060	24,662	26,787	6,993	9,403	13,534	20,626	22,370
Communication.....	8,060	10,854	17,696	27,680	30,538	6,820	8,751	13,726	21,382	23,610
Electric, gas, sanitary services.....	8,551	11,709	17,548	27,192	29,924	7,475	10,022	14,314	21,912	24,106
Wholesale trade.....	7,494	10,073	14,427	21,481	23,346	6,961	9,193	12,928	18,820	20,416
Retail trade.....	4,976	6,464	8,875	12,435	13,340	4,621	5,914	7,921	10,949	11,730
Finance, insurance, real estate.....	6,650	8,860	12,504	18,850	20,685	5,984	7,821	10,618	15,864	17,407
Services.....	4,837	6,900	10,108	15,214	16,753	4,557	6,394	9,066	13,464	14,795
Government and government enterprises.....	6,146	8,813	13,071	18,777	20,664	5,696	8,011	11,451	15,955	17,411

¹Represents average for period of intervals shown; for 1965, change from 1960. For explanation of average annual percent change, see Guide to Tabular Presentation.
Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–76*, and *Survey of Current Business*, July 1982.

No. 865. HOURLY AND WEEKLY EARNINGS, BY INDUSTRY GROUP: 1970 TO 1982

[1982 preliminary. For private industry only; weekly earnings include overtime. Data are for production and related workers in mining and manufacturing, construction, and nonsupervisory employees in other industries. Excludes agriculture. See headnote, table 656. See also *Historical Statistics, Colonial Times to 1970*, series D 877-892]

INDUSTRY GROUP	CURRENT DOLLARS						CONSTANT (1977) DOLLARS					
	1970	1975	1979	1980	1981	1982, June	1970	1975	1979	1980	1981	1982, June
Gross hourly earnings	5.23	4.53	6.16	6.86	7.26	7.63	5.04	5.10	5.14	4.89	4.83	4.77
Manufacturing	5.35	4.83	6.70	7.27	7.99	8.50	5.23	5.44	5.59	5.34	5.33	5.32
Mining	3.85	5.95	8.49	9.17	10.05	10.82	4.01	6.70	7.08	6.74	6.70	6.77
Construction	5.24	7.31	9.27	9.94	10.80	11.41	5.17	6.23	7.73	7.30	7.20	7.14
Transportation, public utilities	3.85	5.88	8.16	8.87	9.70	10.19	4.01	6.82	6.81	6.52	6.47	6.38
Wholesale trade	3.44	4.73	6.39	6.96	7.57	8.00	3.37	5.33	5.33	5.11	5.05	5.01
Retail trade	2.44	3.36	4.53	4.88	5.25	5.47	3.61	3.78	3.78	3.59	3.50	3.42
Finance, insurance, real estate	3.07	4.05	5.27	5.79	6.31	6.69	4.79	4.57	4.40	4.25	4.21	4.19
Services	2.81	4.02	5.36	5.85	6.41	6.82	4.38	4.53	4.47	4.30	4.27	4.27
Gross weekly earnings	129	164	220	235	255	267	187	186	183	175	170	167
Manufacturing	134	161	269	269	318	334	209	215	224	212	212	209
Mining	164	249	365	397	439	462	256	260	304	292	293	289
Construction	195	266	343	368	399	428	304	300	286	270	266	266
Transportation, public utilities	155	223	328	351	382	398	243	262	272	258	255	249
Wholesale trade	137	183	248	267	292	309	214	206	207	197	195	193
Retail trade	82	109	139	147	158	165	128	123	116	108	105	103
Finance, insurance, real estate	113	148	181	210	229	242	176	167	158	154	153	151
Services	97	135	175	191	209	223	151	152	146	140	139	140

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 866. ANNUAL PERCENT CHANGES IN EARNINGS AND COMPENSATION: 1971 TO 1981

ITEM	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978	1978-1979	1979-1980	1980-1981
Current dollars:										
Hourly earnings, total ¹	7.2	6.5	7.6	6.8	7.3	8.0	6.4	6.3	6.1	6.9
Hourly earnings, manufacturing	7.0	7.1	6.1	9.3	6.1	6.8	6.6	6.6	6.5	9.9
Compensation per employee-hour ²	6.7	7.6	9.4	9.6	6.1	7.5	6.6	9.3	10.2	9.7
Constant (1977) dollars:										
Hourly earnings, total ¹	3.9	.4	-3.2	-2.1	1.6	1.4	.8	2.8	-4.9	-1.2
Hourly earnings, manufacturing	3.7	.7	-2.7	.2	2.2	2.2	.9	-2.4	-4.5	-2
Compensation per employee-hour ¹	3.3	1.3	1.4	.4	2.2	1.0	.9	-1.7	2.9	-7
Consumer Price Index ³	3.3	6.2	11.0	9.1	5.8	6.5	7.7	11.3	13.5	10.4

¹ Nonfarm business sector. ² See text, p. 451 and table 757

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*.

No. 867. GROSS WEEKLY EARNINGS IN CURRENT AND CONSTANT (1977) DOLLARS, PRIVATE NONAGRICULTURAL AND MANUFACTURING INDUSTRIES: 1960 TO 1982

[In dollars. Includes overtime. Based on reports from employing establishments and relate to full- and part-time wage and salary workers in nonagricultural establishments who worked during, or received pay for, any part of the pay period which includes the 12th of the month. See headnote, table 685. See *Historical Statistics, Colonial Times to 1970*, series D 804, for average weekly earnings in manufacturing]

YEAR	PRIVATE NONAGRICULTURAL		MANUFACTURING		YEAR	PRIVATE NONAGRICULTURAL		MANUFACTURING	
	Current dollars	Constant (1977) dollars ¹	Current dollars	Constant (1977) dollars ¹		Current dollars	Constant (1977) dollars ¹	Current dollars	Constant (1977) dollars ¹
1960	80.7	165.0	89.7	183.5	1976	175.5	186.9	209.3	222.9
1965	95.5	183.2	107.5	206.4	1977	189.0	189.0	226.9	226.9
1970	119.6	196.9	133.3	209.0	1978	203.7	189.3	249.3	231.7
					1979	219.9	183.4	269.3	224.6
1973	145.4	198.4	166.5	227.1	1980	235.1	172.7	266.6	212.0
1974	154.8	190.1	176.8	217.2	1981	255.2	170.1	316.0	212.0
1975	163.5	184.2	190.6	214.9	1982, June	266.7	166.9	333.6	208.8

¹ Earnings in current dollars divided by the Consumer Price Index on a 1977 base.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 668. PRODUCTION WORKERS, MANUFACTURING INDUSTRIES—HOURS AND GROSS EARNINGS, BY STATES: 1972 TO 1981

STATE	AVERAGE HOURLY EARNINGS (dollars)					AVERAGE WEEKLY EARNINGS (dollars)					AVERAGE WEEKLY HOURS				
	1972	1975	1979	1980	1981	1972	1975	1979	1980	1981	1972	1975	1979	1980	1981
U.S.	3.82	4.83	6.70	7.37	7.98	156	191	298	288	318	40.5	40.5	40.2	39.7	39.8
N. Eng.:															
Maine	3.03	3.81	5.42	6.00	6.66	123	152	217	240	269	40.7	40.1	40.1	40.0	40.4
N.H. ¹	3.20	3.97	5.37	5.87	6.41	127	155	215	234	258	39.8	39.1	40.1	39.8	39.9
Vt.	3.28	4.07	5.53	6.14	6.79	136	164	226	249	272	41.5	40.4	40.8	40.8	40.0
Mass.	3.86	4.48	5.98	6.51	7.01	146	175	240	258	280	40.1	39.1	40.1	39.6	40.0
R.I.	3.15	3.84	5.10	5.59	6.10	125	149	199	220	240	39.5	38.9	39.1	39.3	39.3
Conn.	3.87	4.78	6.43	7.06	7.67	181	194	270	296	319	41.5	40.5	42.0	41.8	41.8
Mid. Atl.:															
N.Y.	3.98	4.91	6.57	7.18	7.84	158	191	280	283	309	39.8	39.9	39.6	39.4	39.4
N.J. ²	3.99	4.99	6.72	7.31	7.91	163	200	278	300	322	40.9	39.9	41.4	41.0	40.7
Pa.	3.88	4.88	6.67	7.50	8.30	154	193	275	294	325	39.8	39.8	39.9	39.8	39.2
E. No. Cent.:															
Ohio	4.45	5.57	7.84	8.57	9.53	185	225	325	348	390	41.8	40.3	41.5	40.6	40.9
Ind. ³	4.35	5.49	7.79	8.49	9.37	179	219	316	336	376	41.1	39.8	40.5	39.8	40.1
Ill.	4.28	5.53	7.30	8.04	8.91	176	219	297	320	358	41.0	40.7	40.7	39.8	40.0
Mich.	(NA)	(NA)	6.73	9.52	10.53	(NA)	(NA)	380	382	426	(NA)	(NA)	41.2	40.1	40.5
Wis.	4.15	5.26	7.27	8.03	8.80	171	212	297	323	353	41.3	40.4	40.9	40.2	40.1
W. No. Cent.:															
Minn.	4.00	5.10	6.93	7.61	8.40	183	200	277	300	331	40.7	39.2	40.0	39.4	39.4
Iowa	(NA)	(NA)	7.75	8.67	9.80	(NA)	(NA)	314	343	378	(NA)	(NA)	40.5	39.6	39.5
Mo.	3.78	4.80	6.70	7.25	7.90	159	187	285	285	318	39.8	39.0	39.5	39.2	40.3
N. Dak.	3.31	4.31	5.98	6.55	7.12	133	172	234	246	271	40.2	39.1	39.1	37.5	38.1
S. Dak.	(NA)	4.21	5.70	6.50	7.12	(NA)	171	239	267	297	(NA)	40.7	41.9	41.0	41.8
Nebr.	3.55	4.88	6.53	7.36	8.02	148	186	270	296	324	41.7	40.5	41.3	40.5	40.4
Kans.	(NA)	(NA)	6.71	7.34	8.05	(NA)	(NA)	273	296	325	(NA)	(NA)	40.7	40.3	40.4
So. Atl.:															
Del.	4.04	5.02	7.04	7.58	8.27	182	197	278	306	333	40.1	39.3	39.5	40.4	40.3
Md.	3.82	5.04	7.09	7.61	8.39	158	197	284	301	335	40.2	39.1	40.0	39.8	39.9
D.C. ⁴	(NA)	5.52	7.74	8.48	8.88	(NA)	213	332	332	348	(NA)	38.5	39.2	39.3	39.2
Va.	3.10	3.99	5.58	6.22	6.81	128	156	222	244	270	40.8	39.2	39.7	39.3	39.6
W. Va.	3.87	4.83	7.41	8.08	8.80	155	192	293	317	347	40.0	39.0	39.6	39.2	39.4
N.C.	2.77	3.52	4.87	5.37	5.94	113	135	193	211	232	40.7	38.4	39.6	39.3	39.1
S.C.	2.80	3.59	5.10	5.59	6.16	118	141	208	225	255	41.4	39.4	40.8	40.3	40.4
Ga.	3.04	3.90	5.30	5.77	6.37	125	150	214	232	255	41.0	39.5	40.4	40.2	40.1
Fla.	3.20	4.11	5.48	5.96	6.53	132	164	222	244	265	41.2	40.0	40.5	40.8	40.6
E. So. Cent.:															
Ky.	3.70	4.77	6.77	7.34	7.86	149	185	267	287	309	40.4	38.7	39.4	39.1	39.3
Tenn.	3.07	3.99	5.56	6.06	6.72	125	156	221	241	268	40.6	39.8	39.7	39.7	39.9
Ala.	3.25	4.10	5.95	6.49	7.01	133	182	242	260	280	41.0	39.5	40.7	40.1	39.9
Miss.	2.75	3.58	4.95	5.44	6.01	113	141	196	214	236	41.1	39.6	39.6	39.3	39.3
W. So. Cent.:															
Ark.	2.79	3.69	5.19	5.71	6.26	112	143	206	224	247	40.2	38.8	39.6	39.3	39.4
La.	(NA)	4.88	6.97	7.74	8.58	(NA)	209	298	319	349	(NA)	42.8	41.3	41.2	42.2
Okla.	3.49	4.45	6.53	7.36	8.20	141	176	264	295	329	40.5	40.0	40.5	40.1	40.1
Tex.	(NA)	(NA)	6.46	7.15	7.95	(NA)	(NA)	266	295	328	(NA)	(NA)	41.1	41.2	41.3
MT.:															
Mont.	(NA)	5.53	8.44	8.78	9.03	(NA)	210	382	379	370	(NA)	38.0	42.9	43.2	41.0
Idaho	3.69	4.77	6.92	7.55	8.23	145	185	285	290	311	39.4	38.8	39.3	37.1	37.8
Wyo.	3.45	4.92	6.88	7.35	7.88	133	190	251	291	314	38.6	38.6	37.6	39.8	39.9
Colo.	(NA)	(NA)	6.93	7.59	8.22	(NA)	(NA)	274	301	326	(NA)	(NA)	39.5	39.7	39.7
N. Mex.	2.88	3.63	5.38	5.79	6.53	115	142	212	230	259	40.1	39.0	39.5	39.8	39.6
Ariz.	3.85	4.85	6.82	7.29	7.98	156	189	269	292	317	40.5	39.0	40.6	40.1	39.7
Utah	3.62	4.61	6.29	7.01	7.73	140	176	245	274	308	38.5	38.1	39.0	38.1	39.8
Nev.	4.40	5.26	6.95	7.72	8.42	179	201	288	295	325	40.2	38.2	38.5	38.2	38.6
Pac.:															
Wash.	4.54	5.82	8.39	9.41	10.44	180	225	324	362	405	39.8	38.7	38.6	38.5	38.8
Oreg.	4.30	5.53	7.92	8.65	9.43	189	212	305	330	366	39.4	38.4	38.5	38.1	37.7
Calif.	4.25	5.22	7.03	7.70	8.58	170	206	291	304	339	40.1	39.4	39.9	39.5	39.6
Alaska ⁵	5.92	8.09	10.14	10.22	11.42	237	296	401	436	457	40.1	38.6	43.6	42.7	40.0
Hawaii	3.59	4.68	6.38	6.63	7.53	142	183	244	256	290	39.5	39.1	39.3	37.8	38.5

NA Not available. ¹Data beginning with year noted are not comparable with prior years. ²Adjusted to March 1980 benchmark levels. ³Represents Washington, D.C. Standard Metropolitan Statistical Area; data not comparable over years shown.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. Compiled from data supplied by cooperating State agencies.

No. 666. ANNUAL PERCENT INCREASE IN AVERAGE PAY FOR SELECTED OCCUPATIONS AND IN CONSUMER PRICES: 5-YEAR PERIODS, 1970 TO 1982

[5-year periods begin and end in January of years shown, except as noted]

OCCUPATION	1970-1975	1971-1976	1972-1977	1973-1978	1974-1979	1975-1980	1976-1981	1977-1982
Private industry:								
Professional, administrative, technical, and clerical employees, average salaries: ¹								
Clerical and beginning technicians.....	6.7	6.9	7.1	7.5	7.7	7.7	8.1	8.6
Entry and development professional levels, and advanced technical levels.....	6.1	6.1	6.3	7.0	7.4	7.7	8.3	8.9
Fully experienced professional working levels, supervisors of professional and program administrative levels.....	8.5	6.6	7.0	7.6	8.0	8.1	8.6	9.3
Production and nonsupervisory workers, nonagricultural:								
Average hourly earnings adjusted for overtime ² (mfg. only) and interindustry employment shifts.....	7.1	7.2	7.3	7.7	8.1	7.8	8.3	8.4
Police and firefighters: ³ Minimum annual salary scales.....	6.0	6.3	6.0	6.1	6.1	6.3	(NA)	(NA)
Maximum annual salary scales.....	7.1	7.3	6.9	6.6	6.5	6.6	(NA)	(NA)
Urban public classroom teachers, avg. annual salaries ⁴	⁵ 7.0	7.0	⁶ 6.9	6.9	⁷ 6.3	6.5	(NA)	(NA)
Federal general schedule employees: ⁸								
Average annual salary rates.....	5.7	5.5	5.0	5.4	5.7	6.0	(NA)	(NA)
Average annual salaries.....	5.9	5.7	5.3	5.9	6.4	6.6	(NA)	(NA)
Consumer Price Index for all Urban Consumers.....	6.6	6.9	7.3	8.0	7.9	8.4	9.3	10.0

NA Not available. ¹For further details, see *National Survey of Professional, Administrative, Technical, and Clerical Pay*, Bulletin No. 2081. ²Data are subject to annual benchmark revisions and are not seasonally adjusted. ³For cities of 100,000 population or more in 1970. ⁴For cities of 100,000 population or more in 1970, and counties of this size in standard metropolitan statistical areas with county-wide school systems. ⁵1971-75 data. ⁶1973-77 data. ⁷1975-79 data. ⁸For 1968 to 1971, as of July 1; end for 1972 to 1980, as of April 1. Rates show statutory changes and effect of changes in proportion of workers at each step within salary ranges for individual grades. Salaries measure effect of statutory changes in basic pay scales and in grade salary increases, and also changes in proportion of workers in various grades.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*.

No. 670. NUMBER OF WORKERS WITH EARNINGS, AND MEDIAN EARNINGS, BY OCCUPATION OF LONGEST JOB HELD AND SEX: 1980

[Covers civilians 15 years old and over as of March 1981. For definition of median, see Guide to Tabular Presentation]

MAJOR OCCUPATION GROUPS OF LONGEST JOB HELD	ALL WORKERS				YEAR-ROUND FULL TIME				RATIO: WOMEN TO MEN	
	Women		Men		Women		Men			
	Num- ber (1,000)	Median earn- ings	Num- ber (1,000)	Median earn- ings	Num- ber (1,000)	Median earn- ings	Num- ber (1,000)	Median earn- ings	Num- ber	Median earn- ings
Total.....	51,448	\$6,624	64,730	\$14,011	22,859	\$11,197	41,881	\$18,612	.55	.60
Professional, technical, and kindred workers.....	8,174	11,559	9,510	20,648	4,441	15,285	7,388	23,026	.60	.66
Managers and administrators, exc. farm.....	3,508	10,701	8,938	21,621	2,318	12,936	7,625	23,558	.30	.55
Sales workers.....	3,621	3,505	3,749	15,107	1,001	9,748	2,567	19,910	.39	.49
Clerical and kindred workers.....	17,376	7,777	4,073	13,142	8,991	10,997	2,586	18,247	3.48	.60
Craft and kindred workers.....	902	8,194	13,462	15,676	481	11,701	8,994	18,671	.05	.63
Operatives, incl. transport workers...	5,464	6,761	10,847	12,154	2,387	9,440	6,432	15,702	.37	.60
Private household workers.....	1,554	1,383	45	(B)	172	4,562	10	(B)	17.20	(x)
Laborers, except farm.....	677	4,229	5,391	5,755	239	9,747	1,884	12,157	.13	.76
Service workers, exc. private household.....	9,658	3,504	6,219	6,268	2,727	7,962	2,906	13,097	.94	.61
Farmers and farm managers.....	136	1,927	1,273	6,371	61	(B)	1,043	7,482	.08	(x)
Farm laborers and supervisors.....	369	1,437	1,222	3,207	39	(B)	446	8,402	.09	(x)

B Base less than 75,000. X Not applicable.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 132.

NO. 671. MEDIAN WEEKLY EARNINGS OF FULL-TIME WAGE AND SALARY WORKERS, BY SELECTED CHARACTERISTIC: 1970 TO 1981

[In current dollars of usual weekly earnings. For 1970-1978, as of May. Beginning 1979 data represent annual averages. Due to changes in data collection procedures, data for 1979, and later years are not strictly comparable with earlier years. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	1970	1975	1976	1977	1978	CHARACTERISTIC	1979	1980	1981
All workers	\$130	\$185	\$196	\$211	\$226	All workers	\$244	\$286	\$288
Male	151	221	233	252	271	Male	288	322	347
16-24 years old	112	151	159	168	185	16-24 years old	201	214	225
25 years and over	180	235	250	272	293	25 years and over	322	346	378
Never-married	113	153	161	173	190	Female	186	204	224
Husbands	189	234	247	271	292	16-24 years old	154	171	184
Other marital status	139	205	223	238	262	25 years and over	197	217	237
Female	94	137	145	156	168	Husbands	324	348	382
16-24 years old	86	117	125	133	142	Wives	190	208	229
25 years and over	95	146	154	165	175	Women who maintain families	190	210	228
Never-married	95	132	141	150	159	Men who maintain families	300	313	342
Wives	95	139	146	157	165	White	349	273	296
Other marital status	91	136	145	157	167	Male	305	329	355
White	134	190	201	218	231	Female	187	206	226
Male	157	225	236	256	278	Black	203	218	238
Female	95	136	147	157	167	Male	232	247	271
Black and other	99	156	162	171	186	Female	174	189	210
Male	113	173	187	201	218	Hispanic origin ²	197	214	229
Female	81	130	137	146	157	Male	226	237	252
Occupation:						Female	156	177	182
Prof. and technical	161	246	256	277	294	Occupation:			
Managers, administrators ¹	190	273	286	301	322	Professional and technical	316	340	377
Salesworkers	133	189	197	224	231	Managers, administrators ¹	348	379	407
Clerical workers	109	150	158	167	175	Salesworkers	254	279	306
Craft and kindred workers	157	223	239	259	279	Clerical workers	195	214	233
Operatives, except transport	(NA)	157	161	170	180	Craft and kindred workers	303	327	352
Transport equipment operatives	(NA)	198	213	230	248	Operatives, exc. transport	211	225	242
Nonfarm laborers	110	154	161	181	183	Transport equipment operatives	272	286	303
Private household workers	38	54	60	59	59	Nonfarm laborers	206	220	238
Other service workers	87	123	134	142	152	Service workers	184	180	192
Farmworkers	71	111	120	127	139	Farmworkers	157	169	179

NA Not available. ¹Excludes farm. ²Persons of Hispanic origin may be of any race.

No. 672. MEDIAN USUAL WEEKLY EARNINGS, BY FAMILY TYPE AND NUMBER OF WORKERS: 1979 TO 1981

(For families with wage and salary workers. Annual averages of quarterly figures)

FAMILY TYPE AND NUMBER OF WORKERS	NUMBER OF FAMILIES (1,000)			MEDIAN USUAL WEEKLY EARNINGS (dollars)			PERCENT CHANGE—CONSTANT (1967) DOL.		
	1979	1980	1981	1979	1980	1981	1979-1980	1980-1981	1979-1981
Total families¹	41,342	41,962	41,388	376	466	434	-5.2	-2.9	-8.1
One worker	19,772	19,838	19,859	293	279	294	-8.6	-4.4	-10.7
Two or more workers	21,571	21,328	21,500	481	525	570	-3.6	-1.9	-5.4
Married couple families	34,306	33,825	33,607	406	436	473	-4.8	-1.7	-6.6
One worker	15,006	14,797	14,586	297	312	332	-7.4	-3.2	-10.3
Husband	12,606	12,127	11,782	322	344	373	-6.1	-1.4	-7.4
Wife	1,819	2,059	2,158	151	160	180	-5.8	-1.5	-4.3
Other	580	611	629	162	167	163	-8.1	-1.5	-6.6
Two workers or more ²	19,301	19,028	19,241	483	539	585	-3.5	-1.4	-4.9
Husbands and wife only	13,028	12,980	13,213	485	509	554	-3.7	-1.5	-5.1
Husbands and other family member(s)	2,817	2,369	2,336	517	557	601	-4.6	-2.2	-8.8
Wife and other family member(s)	375	429	439	324	351	371	-4.7	-4.2	-6.7
Families maintained by women	5,465	5,680	5,875	209	227	240	-4.2	-4.3	-8.3
One worker	3,824	4,022	4,225	170	186	196	-2.6	-3.9	-8.4
Two or more workers	1,661	1,688	1,649	337	373	397	-2.6	-3.3	-5.8
Families maintained by men	1,552	1,647	1,878	336	365	362	-4.5	-5.4	-9.7
One worker	943	1,016	1,068	269	289	311	-5.8	-2.6	-8.1
Two or more workers	608	631	610	489	500	532	-6.5	-3.5	-9.3

¹Excludes families where the husband, wife, or householder is self-employed.

²Includes other combinations not shown separately.

Source of tables 671 and 672: U.S. Bureau of Labor Statistics, unpublished data.

NO. 673. NUMBER OF WORKERS BY AVERAGE INCOME LEVEL AND MEDIAN WEEKLY EARNINGS OF WORKERS, BY SELECTED CHARACTERISTICS: 1979

[In thousands, except median. As of January. For full-time and part-time civilian wage and salary workers 16 years old and over. Based on Income Survey Development Program and subject to sampling variability. For definition of median see Guide to Tabular Presentation]

CHARACTERISTIC	MALE						FEMALE					
	Total	Less than \$150	\$150-\$299	\$300-\$499	\$500 or more	Median (dol.)	Total	Less than \$150	\$150-\$299	\$300-\$499	\$500 or more	Median (dol.)
Total ¹	45,812	9,881	15,354	13,476	7,119	271	38,530	21,348	13,243	3,347	592	136
Race:												
White	40,847	8,137	13,606	12,367	6,738	280	33,073	18,045	11,638	2,833	559	137
Black.....	4,272	1,607	1,495	878	291	188	4,793	2,919	1,423	420	34	130
Spanish origin ²	2,777	913	1,042	709	112	201	1,876	1,235	604	28	8	116
Years with employer:												
Less than 2 years.....	13,548	5,300	4,668	2,473	868	177	14,601	10,289	3,736	518	57	108
2-4 years	10,028	2,235	3,800	2,790	1,203	256	9,685	4,940	3,804	863	78	146
5-9 years	8,605	970	3,043	3,025	1,568	309	6,521	2,876	3,003	604	39	164
10-14 years.....	4,409	217	1,309	1,815	1,068	348	3,199	1,286	1,150	587	177	176
15-19 years.....	2,654	120	878	858	798	351	1,774	627	642	387	117	192
20-24 years.....	2,303	365	567	822	549	333	1,316	537	528	233	16	170
25 years or more.....	3,927	459	842	1,605	1,023	354	803	241	329	127	106	201
Years in this line of work:												
Less than 2 years.....	8,949	4,290	2,997	1,242	421	155	10,258	7,621	2,274	264	80	101
2-4 years	8,223	2,104	3,488	2,026	804	229	9,019	5,223	3,447	320	28	134
5-9 years	8,718	1,390	3,396	2,623	1,309	269	7,301	3,434	3,167	650	51	156
10-14 years.....	5,868	398	1,630	2,347	1,514	365	3,879	1,491	1,437	639	111	175
15-19 years.....	3,681	263	1,210	1,313	896	329	2,312	608	963	447	95	185
20-24 years.....	3,451	475	787	1,344	843	343	2,134	919	793	374	48	167
25 years or more.....	6,481	746	1,703	2,533	1,499	333	2,029	996	622	248	181	152
Union membership:												
Union member.....	12,930	978	4,436	5,629	1,884	318	5,494	2,054	2,271	965	204	191
Not union member.....	32,882	8,883	10,916	7,848	5,235	249	33,036	19,293	10,973	2,382	389	129

¹ Includes those whose status is not reported. ² Persons of Spanish origin may be of any race.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 118.

NO. 674. WORK SCHEDULES—WORKERS ON SCHEDULES OF 4½ DAYS OR LESS AND ON FLEXIBLE WORK SCHEDULES, BY OCCUPATION AND INDUSTRY: 1980

[In thousands, except percent. As of May. Covers full-time, nonfarm wage and salary workers]

OCCUPATION	Total workers reporting ¹	Total reporting on flexible schedules ²	PERCENT WORKERS ON—		INDUSTRY	Total workers reporting ¹	Total reporting on flexible schedules ²	PERCENT WORKERS ON—	
			Sched-ules of 4½ days or less ¹	Flexi-ble sched-ules ²				Sched-ules of 4½ days or less ¹	Flexi-ble sched-ules ²
Total.....	87,858	84,364	2.9	11.9	Goods producing ⁴	24,685	23,292	2.4	8.5
Prof. and technical.....	12,114	11,644	2.5	15.8	Mining	833	785	2.0	10.6
Managers and administra-tors, except farm	8,032	7,665	1.1	20.2	Construction.....	4,352	4,129	3.4	10.1
Sales workers	3,313	3,165	1.9	26.5	Manufacturing.....	19,194	18,092	2.2	7.9
Clerical workers	13,227	12,572	1.7	9.8	Service producing.....	43,173	41,072	2.9	13.8
Craft workers.....	10,182	9,589	2.4	7.4	Trans. and pub. utilities.....	5,298	4,902	2.7	11.7
Operatives ³	8,794	8,271	3.3	4.4	Wholesale, retail trade.....	11,109	10,609	2.4	14.7
Transport equipment operatives.....	2,713	2,514	4.4	14.3	Finance, insurance ⁵	4,240	4,048	1.8	17.1
Nonfarm laborers.....	2,937	2,737	2.5	7.3	Misc. services.....	17,756	16,992	3.0	12.7
Service workers.....	6,545	6,206	6.7	8.7	Public administration.....	4,771	4,522	5.2	15.2
					Federal.....	2,243	2,113	1.6	20.2
					State.....	865	622	3.6	14.4
					Local	1,663	1,587	10.8	8.9

¹ Includes employees with a job but not at work during survey week. ² Excludes employees not at work during survey week. ³ Except transport. ⁴ Includes nonfarm workers in agricultural industries not shown separately. ⁵ Includes real estate.

Source: U.S. Bureau of Labor Statistics, *News*, February 24, 1981.

NO. 675. EMPLOYEE BENEFITS IN PRIVATE INDUSTRY: 1981

[Covers full-time employees in private industry; excludes small firms (establishments with fewer than 50 to 250 employees, depending on the industry), executive management and traveling operating employees, and Alaska and Hawaii. Based on sample survey of establishments and covers only benefits for which the employer pays part of the premium involved]

TYPE OF EMPLOYEE BENEFIT	All employees	Professional and administrative employees	Technical and clerical employees	Production employees	TYPE OF EMPLOYEE BENEFIT	All employees	Professional and administrative employees	Technical and clerical employees	Production employees
Percent of employees participating in—					Percent of employees in establishment providing—				
Paid lunch time	10	4	4	15	Paid funeral leave	(NA)	87	88	83
Rest time	75	80	78	82	Profit sharing	(NA)	20	21	13
Holidays	99	100	100	99	Savings and thrift	(NA)	32	26	14
Vacations	99	100	100	99	Stock purchase	(NA)	16	15	9
Personal leave	23	31	32	14	Severance pay	(NA)	51	51	28
Sick leave	85	92	92	41	Employee discounts	(NA)	55	55	46
Insurance plans:					Relocation allowance	(NA)	75	40	26
Accident/sickness	50	30	35	66	Recreation facilities	(NA)	21	16	15
Noncontributory	41	22	26	55	Subsidized meals	(NA)	26	23	11
Long-term disability	41	61	52	28	Parking	(NA)	67	61	76
Noncontributory	32	47	40	23	Educational assist.	(NA)	78	69	56
Life	98	98	95	96	Mean number of—				
Noncontributory	81	81	78	82	Paid holidays	10.2	10.2	9.8	10.5
Pension	84	86	85	62	Paid vacation days after—				
Noncontributory	79	81	80	77	1 year	8.8	10.4	9.5	7.7
Health	97	98	96	97	3 years	10.5	11.1	10.5	10.3
Noncontributory	71	67	58	79	5 years	12.5	13.3	12.8	12.0
Hospital/surgical ¹	100	100	100	100	10 years	15.7	16.3	15.8	15.4
Extended care ¹	89	61	80	59	15 years	18.1	18.8	18.5	17.7
Pvt. duty nursing ¹	93	99	98	88	20 years	20.5	21.1	20.6	20.2
Mental health care ¹	99	100	99	99	25 years	22.2	22.6	22.3	21.9
Dental ¹	81	67	80	59					
Vision ¹	22	17	18	26					

NA Not available. ¹Percent coverage of employees participating in health programs. ²Includes physician visits in hospitals, diagnostic X-ray and lab, and hospital auxiliary services. ³A benefit is defined as provided if all workers in the employment group were eligible for the benefit.

Source: U.S. Bureau of Labor Statistics, *Employee Benefits in Industry, 1981*, bulletin 2140.

NO. 676. EMPLOYEES WITH EMPLOYER- OR UNION-PROVIDED PENSION PLANS, OR GROUP HEALTH PLANS, BY OCCUPATION AND INDUSTRY: 1980

[In thousands, except percent. For civilian wage and salary workers 15 years old and over as of March 1981. Based on Current Population Survey; see text, p. 2]

OCCUPATION	Total	WITH PENSION PLANS		WITH GROUP HEALTH PLANS		INDUSTRY	Total	WITH PENSION PLANS		WITH GROUP HEALTH PLANS	
		Number	Percent	Number	Percent			Number	Percent	Number	Percent
Total	107,017	48,003	44.9	66,291	61.9	Total	107,017	48,003	44.9	66,291	61.9
Professional and technical	16,382	10,395	63.5	12,260	74.8	Agriculture, forestry, fisheries	2,184	233	10.7	507	23.2
Managers and administrators	10,489	5,794	55.2	8,270	78.8	Mining	1,054	615	58.3	869	84.3
Salesworkers	8,434	1,821	21.5	3,070	47.7	Construction	6,122	2,388	39.0	3,892	63.3
Clerical and kindred workers	21,094	9,522	45.1	12,960	61.4	Manufacturing	24,420	14,465	59.2	19,900	81.5
Craft and kindred workers	13,004	7,151	55.0	9,896	76.1	Transportation, public utilities	6,749	4,417	65.4	5,386	79.8
Operatives, except transport	12,055	5,942	49.3	8,710	72.3	Wholesale trade	4,096	1,847	45.1	3,062	74.5
Transport equipment operatives	3,741	1,724	46.1	2,534	67.7	Retail trade	18,544	3,806	20.5	7,179	38.7
Laborers	5,809	1,785	30.7	2,723	46.9	Finance, insurance, real estate	6,197	3,001	48.4	4,277	69.0
Service workers	16,478	3,783	23.0	5,610	34.0	Business services	3,953	1,087	27.0	2,077	52.5
Farmworkers	1,521	86	5.7	275	18.4	Personal services	4,181	409	9.8	959	22.9
						Entertainment and recreation	1,411	255	18.1	449	31.8
						Professional and related	21,867	10,976	50.2	13,303	60.8
						Public administration	6,241	1,111	17.8	4,621	74.0

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 131.

NO. 677. EFFECTIVE FEDERAL MINIMUM HOURLY WAGE RATES, 1950 TO 1981, AND COVERAGE IN 1981

[Employee estimates as of September 1981, except as indicated. The Fair Labor Standards Act of 1938 and subsequent amendments provide for minimum wage coverage applicable to specified nonsupervisory employment categories. Exempt from coverage are executives and administrators or professionals]

EFFECTIVE DATE	MINIMUM RATES FOR NONFARM WORKERS			Minimum rates for farm workers ¹	SEX, RACE, AND INDUSTRY	NONSUPERVISORY EMPLOYEES, 1981				
	Laws prior to 1966 ²	Percent avg. earnings ³	1966 and later ⁴			Total (1,000)	Subject to minimum wage rates			
							Total (1,000)	Percent of total	Prior to 1966 ⁵ (1,000)	1966 and later ^{6,7} (1,000)
Jan. 25, 1950.....	\$.75	54	(X)	(X)	Total.....	77,803	81,318	78.7	44,427	16,886
Mar. 1, 1950.....	1.00	52	(X)	(X)	Male.....	42,996	33,980	78.0	26,254	7,726
Sept. 3, 1961.....	1.15	50	(X)	(X)	Female.....	34,807	27,338	78.3	18,173	9,163
Sept. 3, 1963.....	1.25	51	(X)	(X)	White.....	68,525	53,948	78.7	39,697	14,252
Feb. 1, 1967.....	1.40	50	\$1.00	\$1.00	Black and other.....	9,378	7,267	78.6	4,730	2,637
Feb. 1, 1968.....	1.60	54	1.15	1.15	Black only.....	8,552	6,726	78.7	4,321	2,407
Feb. 1, 1969.....	(⁸)	(⁸)	1.30	1.30	Private industry.....	68,223	54,702	80.0	44,427	14,275
Feb. 1, 1970.....	(⁸)	(⁸)	1.45	(⁸)	Agriculture.....	1,458	566	38.6	-	566
Feb. 1, 1971.....	(⁸)	(⁸)	1.60	(⁸)	Mining.....	1,016	1,012	99.6	1,012	-
May 1, 1974.....	2.00	45	1.60	1.60	Construction.....	4,066	4,037	99.5	3,399	638
Jan. 1, 1975.....	2.10	45	2.00	1.60	Manufacturing.....	18,207	17,706	97.2	17,803	103
Jan. 1, 1976.....	2.30	46	2.20	2.00	Transp., public utilities.....	4,633	4,800	96.3	4,513	87
Jan. 1, 1977.....	(⁸)	(⁸)	2.30	2.20	Wholesale trade.....	4,806	3,872	79.7	3,435	237
Jan. 1, 1978.....	2.65	44	2.65	2.65	Retail trade.....	14,010	11,851	83.2	6,134	5,517
Jan. 1, 1979.....	2.90	45	2.90	2.90	Finance, insurance, real estate.....	4,579	3,473	75.8	3,337	136
Jan. 1, 1980.....	3.10	45	3.10	3.10	Service.....	14,278	11,077	77.6	4,994	6,083
Jan. 1, 1981.....	3.35	43	3.35	3.35	Private households.....	1,367	906	66.4	-	906
					Government ⁹	8,680	2,814	27.0	-	2,814

- Represents zero. X Not applicable. ¹Applies to workers covered prior to 1961 Amendments and, after Sept. 1965, to workers covered by 1961 Amendments. Rates set by 1961 Amendments were: Sept. 1961, \$1.00; Sept. 1964, \$1.15; and Sept. 1965, \$1.25. ²Percent of gross average hourly earnings of production workers in manufacturing. ³Applies to workers newly covered by Amendments of 1966, 1974, and 1977, and Title IX of Education Amendments of 1972. ⁴Included in coverage as of 1966, 1974, and 1977 Amendments. ⁵No change in rate. ⁶Currently employed workers subject to criteria in effect prior to 1966 Amendments, except workers in retail-service establishments with less than \$250,000, who otherwise would have been exempt prior to the 1966 Amendments, are included if part of enterprises subject to criteria established prior to the 1966 Amendments. ⁷Currently employed workers subject to provisions. ⁸Federal, State, and local employees.

Source: U.S. Department of Labor, Employment Standards Administration, *Minimum Wage and Maximum Hours Standards Under the Fair Labor Standards Act, 1961*, annual, and unpublished data.

NO. 678. MINIMUM HOURLY UNION WAGE RATES—INDEXES AND AVERAGES, SELECTED TRADES: 1960 TO 1980

[As of first working day in July, except as noted. Data for 1960 exclude Alaska. Indexes of rates reflect changes in minimum hourly wage scales. Year-to-year changes in union scales are based on comparable quotations for each trade weighted by membership for current year. Average wage rates show current levels and should not be used for precise year-to-year comparisons because of fluctuations in membership in the classifications studied. See also *Historical Statistics, Colonial Times to 1970*, series D 816-829]

TRADE	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980
INDEXES (1967 = 100)												
Building trades	75.4	90.9	129	153	161	173	186	201	212	224	240	268
Journeyman.....	75.6	90.9	129	153	161	173	188	200	212	224	240	259
Helpers and laborers.....	74.0	90.8	128	152	161	175	180	202	215	227	243	262
Printing trades¹	80.8	93.0	121	144	163	166	180	182	205	218	(NA)	263
Book and job ²	80.3	93.5	121	144	155	166	181	193	207	222	(NA)	267
Newspaper.....	81.1	92.5	121	144	152	165	179	192	204	216	(NA)	254
Motortruck drivers and helpers³	75.4	91.2	123	152	163	177	190	206	224	(NA)	265	(NA)
Local transit operators.....	73.9	88.8	125	145	158	173	183	205	220	233	253	279
AVERAGE WAGE RATES (dol.)												
Building trades	3.96	4.42	6.19	7.27	7.82	8.14	8.68	9.49	10.02	10.51	11.32	12.21
Journeyman.....	3.86	4.64	6.54	7.69	8.02	8.55	9.32	9.92	10.44	11.05	11.81	12.72
Helpers and laborers.....	2.66	3.54	4.86	5.68	6.06	6.53	7.06	7.54	8.03	8.54	9.15	9.80
Printing trades¹	3.23	3.73	4.87	6.39	6.29	6.80	7.36	7.80	8.48	9.07	(NA)	10.88
Book and job ²	3.08	3.58	4.85	5.49	5.91	6.34	6.86	7.41	7.91	8.51	(NA)	10.29
Newspaper.....	3.48	3.94	5.13	6.08	6.43	7.01	7.57	8.17	8.74	9.23	(NA)	10.97
Motortruck drivers and helpers³	2.65	3.22	4.36	5.43	5.65	6.34	6.81	7.36	8.03	(NA)	9.54	(NA)
Local transit operators.....	2.57	2.86	4.08	4.68	5.04	5.82	6.25	6.83	7.12	7.58	8.17	8.91

NA Not available. ¹Beginning 1970, includes lithographers; beginning 1978, data collected biennially as of the first working day in September. ²Includes compositors (bindery workers and press assistants and feeders). ³Data based on all scales reported for these workers, beginning 1977, data collected biennially. Data for 1978 are as of the first working day in September.

Source: U.S. Bureau of Labor Statistics, *Union Wages and Benefits*, annual.

NO. 679. MAJOR COLLECTIVE BARGAINING SETTLEMENTS—AVERAGE PERCENT CHANGE IN WAGES AND BENEFITS NEGOTIATED: 1970 TO 1981

(In percent, except as indicated. Data represent private nonfarm industry settlements affecting production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing (including construction) industries. Data exclude possible adjustments in wages under cost-of-living adjustment clauses (COLA), except increases guaranteed by the contract. Includes all settlements, whether wages and benefits were changed or not.)

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Wage-rate adjustments: ¹												
All industries:												
First year changes.....	11.9	11.8	7.3	6.8	6.8	10.2	8.4	7.8	7.8	7.4	9.5	8.8
Contracts with COLA.....	(NA)	12.9	7.9	5.7	6.5	12.2	8.4	8.0	8.9	8.2	8.0	8.0
Contracts without COLA.....	(NA)	10.3	7.2	5.8	10.2	9.1	8.3	7.8	8.0	9.1	11.7	10.8
Over life of contract ²	8.9	8.1	6.4	6.1	7.3	7.8	8.4	5.8	6.4	6.0	7.1	7.9
Contracts with COLA.....	7.3	7.1	5.7	4.9	6.1	7.1	5.7	5.0	5.3	4.8	5.0	5.5
Contracts without COLA.....	10.1	9.2	6.5	6.3	9.1	8.3	7.3	6.9	7.1	6.0	10.3	8.8
Manufacturing:												
First year changes.....	8.1	10.9	6.6	5.9	6.7	9.6	8.9	8.4	8.3	6.9	7.4	7.2
Over life of contract ²	6.0	7.3	5.8	4.9	6.1	8.0	6.0	5.5	6.6	5.4	5.4	6.1
Nonmanufacturing:												
First year changes.....	15.2	12.2	7.8	5.7	10.5	10.4	7.7	7.4	7.4	6.0	10.9	11.2
Over life of contract ²	11.5	8.9	6.9	5.3	6.0	7.8	6.8	6.0	6.4	6.8	8.3	8.6
Number of workers affected (mil.).....	4.7	4.0	2.4	5.3	5.1	2.9	4.1	4.0	2.5	3.5	3.6	2.4
Percent of wage and salary workers ³	8.1	8.9	4.0	6.4	6.0	4.7	6.4	5.9	3.5	4.7	5.1	3.2
Manufacturing (mil.).....	2.2	1.9	.9	2.4	1.9	.8	2.1	1.6	.6	1.9	1.6	.9
Nonmanufacturing (mil.).....	2.5	2.1	1.5	2.9	3.3	2.1	2.0	2.4	2.0	1.6	2.2	1.6
Wage and benefit adjustments: ⁴												
First year changes.....	13.1	13.1	8.5	7.1	10.7	11.4	8.5	9.6	8.3	9.0	10.4	10.2
Over life of contract ²	9.1	8.8	7.4	6.1	7.8	8.1	6.6	6.2	6.3	6.6	7.1	6.3

NA Not available. ¹Each settlement involved 1,000 or more workers. ²Average annual rate of change. ³In private industry, excluding private household workers. ⁴Each settlement involved 5,000 or more workers.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

NO. 680. LABOR UNION AND EMPLOYEE ASSOCIATION MEMBERSHIP: 1950 TO 1978

(Estimates based on average number of dues-paying members of unions with headquarters in the U.S. Certain unions did not report as members persons not required to pay dues, such as apprentices and workers retired, unemployed, in Armed Forces, or involved in work stoppages. Excludes single-firm and local unaffiliated unions; includes local unions directly affiliated with the AFL-CIO, except as noted. Employee associations are similar to unions. See also *Historical Statistics, Colonial Times to 1870*, series D 933-934 and D 946-951.)

ITEM	Unit	1950	1955	1960	1965	1970	1972	1974	1976	1978
Number of unions, total.....	Number.....	¹ 209	199	184	¹ 191	185	177	175	175	174
Unions affiliated with AFL-CIO.....	Number.....	137	139	134	129	120	113	111	112	108
Union membership.....	1,000.....	16,000	17,746	18,117	18,616	20,762	20,893	21,643	21,171	21,784
AFL-CIO.....	1,000.....	12,400	16,082	15,072	15,604	15,978	16,507	16,939	16,699	17,024
Independent or unaffiliated unions.....	1,000.....	2,600	1,666	3,045	2,915	4,773	4,388	4,705	4,472	4,760
Male ²	1,000.....	(NA)	(NA)	14,733	(NA)	16,408	16,315	16,995	16,461	16,636
Female ²	1,000.....	(NA)	(NA)	3,304	(NA)	4,282	4,524	4,600	4,648	5,108
White-collar membership ³	1,000.....	(NA)	² 2,463	2,182	(NA)	3,353	3,434	3,782	4,096	4,067
Percent of total membership.....	Percent.....	(NA)	² 13.6	12.2	(NA)	16.2	16.5	17.4	19.2	18.7
U.S. members ⁴	1,000.....	14,287	16,802	17,049	17,299	19,391	19,435	20,199	19,834	20,246
Percent of total labor force.....	Percent.....	22.0	24.4	23.6	22.4	22.6	21.6	21.7	20.3	19.7
Percent of nonagric. employment.....	Percent.....	31.5	33.2	31.4	28.4	27.5	26.4	25.8	24.5	23.6
Canadian members of U.S. unions.....	1,000.....	733	947	1,066	1,220	1,371	1,456	1,444	1,537	1,539
Association membership ⁵	1,000.....	(NA)	(NA)	(NA)	(NA)	1,360	2,221	2,619	3,698	2,851
Female membership.....	1,000.....	(NA)	(NA)	(NA)	(NA)	1,116	1,212	1,438	1,790	1,559
White-collar membership.....	1,000.....	(NA)	(NA)	(NA)	(NA)	1,554	1,768	2,119	2,605	2,185

NA Not available. ¹1949 data. ²1966 data. ³Excludes local unions directly affiliated with AFL-CIO. ⁴1966 data. ⁵Excluding Canadians. ⁶Covers professional and State employee associations engaged in collective bargaining in more than one State or in one State in two or more cities.

Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, annual; and *Directory of National Unions and Employee Associations*, 1978.

No. 661. MEMBERSHIP IN LARGE LABOR ORGANIZATIONS: 1968 TO 1980

(In thousands. AFL-CIO (except as noted) labor organizations reporting 100,000 members or more in 1980 with headquarters in U.S. Figures represent the labor organization after any attendant merger activity. "Ind." = Independent or unaffiliated unions)

LABOR ORGANIZATION	1968	1972	1978	1980	LABOR ORGANIZATION	1968	1972	1978	1980
Teamsters (Ind.)	1,755	1,855	1,889	1,891	Letter carriers	210	220	227	230
National Education Association (Ind.)	(NA)	1,166	1,887	1,884	Retail, wholesale	175	188	200	215
Automobile workers (Ind.)	1,473	1,394	1,358	1,357	Government (NAGE) (Ind.)	(NA)	100	150	200
Food and commercial ¹	1,052	1,162	1,209	1,300	United transportation ²	(NA)	246	265	190
Steelworkers ³	1,352	1,400	1,300	1,238	Iron workers	188	176	179	184
State, County (AFSCME)	364	529	750	1,098	Nurses Association (Ind.)	(NA)	157	200	180
Electrician (IBEW)	897	957	924	1,041	Railway, steamship clerks ⁴	280	238	211	180
Carpenters	783	820	820	784	Firefighters	133	180	174	178
Machinists	903	758	917	754	Painters	200	208	195	164
Service employees (SEIU)	369	484	575	650	Electrical (UE) (Ind.)	187	185	165	162
Laborers (LIUNA)	553	600	627	606	Transit union	134	130	150	162
Communications workers	357	443	483	551	Sheetmetal workers	140	153	153	161
Teachers (AFT)	165	249	446	551	Bakery, confectionery ⁵	(NA)	146	135	180
Clothing and textile workers ⁶	569	539	502	455	Oil, chemical workers	173	172	177	154
Engineers, operating	350	402	420	423	Rubber	204	183	211	151
Hotel and restaurant	458	458	432	400	Police (Ind.)	(NA)	125	135	150
Plumbers	297	229	228	352	Boilermakers	140	132	145	146
Garment, ladies (ILGWU)	455	428	385	323	Bricklayers	180	149	135	136
Musicians	283	315	330	299	Transport workers	98	150	150	130
Paperworkers ⁷	328	389	300	275	Postal employees ⁸ (Ind.)	(NA)	(NA)	(NA)	125
Government (AFGE)	295	283	260	255	Printing and graphic (IFGCU)	(NA)	(NA)	109	122
Postal workers ⁹	166	239	252	251	Woodworkers	86	108	109	112
Mineworkers ¹⁰	(NA)	213	277	245	Office employees (OPEIU)	75	83	99	107
Electrical (IUE)	324	290	238	233	California Sea (AGE)	(NA)	103	112	106
					Maintenance of way	125	142	119	102

NA Not available. ¹In 1979, Retail clerks merged with Meat Cutters to form Food and Commercial Workers. ²Intl. Union of Mine, Mill, and Smelter Workers, and Intl. Union of District 50 merged with United Steelworkers of America in 1967 and 1972, respectively. ³In 1978, Amalgamated Clothing Workers of America merged with Textile Workers Union of America to form Amalgamated Clothing and Textile Workers Union. ⁴AFL-CIO per capita reports. ⁵United Paperworkers and Paperworkers merged with Intl. Brotherhood of Pulp, Sulphite, and Paper Mill Workers in 1972 to form United Paperworkers International Union. ⁶American Postal Workers Union formed in 1971 by merger of the postal clerks union and 4 other unions. ⁷Postal clerks only. ⁸1980 excludes retired workers. ⁹Merged with Brotherhood of Railroad Trainmen and three other railroad unions in 1969. ¹⁰1980 excludes retired members. ¹¹Includes Transportation-Communication Employees Union. ¹²American Bakery and Confectionery Workers Intl. Union and Bakery and Confectionery Workers' Intl. Union of America merged in 1969. ¹³Includes associate members.

Source: U.S. Bureau of Labor Statistics, *Directory of National Unions and Employee Associations, 1979*, and unpublished data.

No. 662. LABOR ORGANIZATION MEMBERSHIP—TOTAL AND PERCENT OF NONAGRICULTURAL EMPLOYMENT, BY STATE: 1970 TO 1980

(Data for 1970-1976 include approximately 332,000 members of single firms and local unaffiliated labor organizations distributed among the States)

STATE	TOTAL (1,000)				PERCENT OF EMPLOYMENT		STATE	TOTAL (1,000)				PERCENT OF EMPLOYMENT	
	1970	1974	1978	1980	1970	1980		1970	1974	1978	1980	1970	1980
U.S.	21,852	23,406	23,306	22,811	30.8	25.2	Mont.	89	73	83	82	34.3	29.3
Ala. ¹	228	278	329	296	22.6	21.8	Neb. ¹	101	99	118	114	21.0	18.2
Alaska	32	45	53	57	34.4	33.7	Nev. ¹	74	81	95	95	36.5	23.8
Ariz. ¹	117	156	159	180	21.4	15.8	N.H.	55	58	61	61	21.2	15.8
Ark. ¹	104	116	128	119	19.5	16.0	N.J.	815	898	810	784	31.2	25.6
Calif.	2,477	2,607	2,659	2,681	35.7	27.0	N. Mex.	55	83	88	88	18.8	18.9
Colo.	168	220	205	227	25.0	18.1	N.Y.	2,876	3,215	2,877	2,792	40.2	36.7
Conn.	329	362	356	327	27.5	22.9	N.C. ¹	167	201	242	228	9.4	9.6
Del.	55	55	59	65	25.8	25.1	N. Dak. ¹	35	38	45	42	21.5	17.1
Fla. ¹	348	416	415	420	18.2	11.7	Ohio	1,509	1,522	1,472	1,376	38.9	31.5
Ga. ¹	273	287	314	323	17.5	15.0	Ola.	143	148	177	174	18.6	15.3
Hawaii	89	129	134	113	30.3	27.9	Oreg.	260	270	298	272	36.7	26.0
Idaho	48	54	83	61	22.1	18.5	Pa.	1,741	1,849	1,741	1,644	40.1	34.8
Ill.	1,813	1,684	1,590	1,487	37.3	30.6	R.I.	96	111	119	113	28.0	28.4
Ind.	894	729	700	649	37.5	30.4	S.C. ¹	98	105	101	93	11.6	7.8
Iowa ¹	216	251	250	244	24.5	22.0	S. Dak. ¹	26	31	34	35	14.7	14.7
Kans. ¹	143	137	144	146	21.1	15.4	Tenn. ¹	312	326	358	334	23.5	19.1
Ky.	293	309	311	290	32.2	24.0	Tex. ¹	572	620	698	689	15.7	11.4
La.	201	211	240	257	19.3	16.3	Utah ¹	94	94	103	98	26.2	17.8
Maine	73	83	100	101	22.0	24.2	Va. ¹	277	288	311	318	18.2	14.7
Md. ²	489	545	546	527	34.8	22.8	Wash.	489	485	547	553	45.3	34.4
Mass.	616	632	682	680	27.2	24.9	W. Va.	242	239	248	222	46.8	34.4
Mich.	1,307	1,388	1,362	1,289	43.5	37.4	Wis.	510	548	573	554	33.3	28.6
Minn.	420	421	484	483	31.9	26.2	Wyo. ¹	27	33	37	39	24.8	18.6
Miss.	86	93	122	135	14.9	16.3	Unallocated	106	149	■	376	(a)	(a)
Mo.	624	596	598	544	37.5	27.6							

X Not available. ¹State has a right-to-work law. ²Includes District of Columbia.

Source: U.S. Bureau of Labor Statistics, *Directory of National Unions and Employee Associations, 1971, 1975, 1979*, and unpublished data.

No. 683. NATIONAL UNIONS—NUMBER AND MEMBERS, BY INDUSTRY: 1970 AND 1978

[See headnote, table 680. Excludes employee associations and local unions directly affiliated with the AFL-CIO]

INDUSTRY GROUP	NUMBER, ALL UNIONS ¹		NUMBER, AFL-CIO UNIONS ¹		MEMBERS, ALL UNIONS ² (1,000)		MEMBERS, AFL-CIO ² UNIONS (1,000)		PERCENT MEMBERS, 1978	
	1970	1978	1970	1978	1970	1978	1970	1978	AFL-CIO	
All unions.....	186	174	120	108	20,889	21,742	15,916	16,862	100.0	100.0
Manufacturing ³	180	84	73	44	9,173	8,118	6,868	6,119	37.3	28.8
Food and kindred products ⁴	25	24	17	16	905	595	588	576	2.7	3.4
Tobacco manufactures.....	8	4	5	3	38	37	37	37	.2	.2
Textile mill products.....	10	11	4	7	191	156	177	149	.7	.8
Apparel and related products.....	16	15	11	11	852	683	536	587	3.1	3.9
Lumber and wood products ⁵	13	18	8	14	215	262	208	280	1.2	1.5
Furniture and fixtures.....	17	10	13	8	214	174	187	160	.8	.9
Paper and allied products.....	20	21	12	17	453	389	391	384	1.8	2.1
Printing, publishing, allied industries.....	18	18	16	13	370	281	357	270	1.3	1.6
Chemicals and allied products.....	26	25	19	15	382	219	151	201	1.0	1.2
Petroleum refining and related industries.....	12	13	7	10	78	77	69	73	.4	.4
Rubber and misc plastics products.....	19	24	13	19	271	269	248	253	1.2	1.5
Leather and leather products.....	13	15	10	13	140	119	134	118	.5	.7
Stone, clay glass, concrete products.....	22	22	17	19	264	283	234	277	1.3	1.6
Primary metals industries.....	18	13	11	12	787	774	667	688	3.6	4.1
Fabricated metal products.....	33	28	21	19	917	613	719	438	2.8	2.6
Machinery except electrical.....	23	18	16	13	550	670	278	411	3.1	2.4
Electrical machinery equipment, supplies.....	19	15	11	9	1,033	715	793	482	3.3	2.9
Transportation equipment.....	21	13	15	10	1,109	1,110	291	308	5.1	1.8
Nonmanufacturing ¹	104	98	73	70	9,198	8,988	7,390	7,811	46.0	46.0
Mining and quarrying ¹	15	14	8	10	388	428	154	149	2.0	.9
Contract construction ¹	28	29	21	23	2,576	2,884	2,476	2,711	13.3	13.3
Transportation.....	44	31	34	28	2,441	1,748	1,425	1,254	8.0	7.4
Telephone and telegraph.....	10	7	7	6	533	547	483	547	2.5	3.2
Electric, gas, sanitary services.....	17	15	12	14	312	366	288	353	1.5	2.1
Wholesale and retail trade.....	24	21	15	13	1,548	1,713	1,315	1,058	7.9	6.2
Service industries.....	46	47	31	29	1,824	1,824	1,166	1,548	8.4	9.1
Government.....	66	62	34	36	2,318	3,825	1,840	3,052	18.7	18.0
Federal.....	56	51	31	30	1,370	1,384	927	987	6.4	5.7
State and local.....	10	45	18	41	948	2,242	913	2,065	10.3	12.3

¹Nonadditive; many unions have membership in more than one industry group. ²Membership computed by applying reported percentages to total membership, including that outside the U.S. ³Includes industries not shown separately. ⁴Includes beverages. ⁵Except furniture. ⁶Includes crude petroleum and natural gas production. ⁷Building and special trade.

Source: U.S. Bureau of Labor Statistics, *Directory of National Unions and Employee Associations, 1971 and 1978*.

No. 684. WORK STOPPAGES: 1947 TO 1981

[Excludes work stoppages involving fewer than 8 workers or lasting less than 1 day. Information obtained directly from companies and unions involved as well as from various Government labor boards, conciliation services, and other neutral parties. See also *Historical Statistics, Colonial Times to 1970*, series D 970-978]

YEAR	WORK STOPPAGES		WORKERS INVOLVED		DAYS IDLE DURING YEAR		
	Number beginning in year	Average duration (calendar days)	Number ¹ (1,000)	Percent of total employed ²	Number (1,000)	Percent of estimated working time ³	Per worker involved
1947.....	3,893	25.6	2,170	4.7	34,800	.30	15.8
1950.....	4,643	19.2	2,410	5.1	38,800	.33	16.1
1955.....	4,320	18.5	2,660	5.2	28,200	.22	10.7
1960.....	3,333	23.4	1,320	2.4	19,100	.14	14.6
1965.....	3,863	25.0	1,580	2.5	23,300	.15	15.1
1967.....	4,595	22.8	2,870	4.3	42,100	.25	14.7
1968.....	5,045	24.5	2,849	3.8	49,018	.28	18.5
1969.....	5,700	22.5	2,481	3.5	42,889	.24	17.3
1970.....	5,716	25.0	3,305	4.7	66,414	.37	20.1
1971.....	5,138	27.0	3,260	4.6	47,589	.26	14.5
1972.....	5,010	24.0	1,714	2.3	27,068	.15	15.8
1973.....	5,353	24.0	2,251	2.9	27,948	.14	12.4
1974.....	6,074	27.1	2,778	3.5	47,981	.24	17.3
1975.....	5,031	26.8	1,746	2.2	31,237	.18	17.9
1976.....	5,848	26.0	2,420	3.0	37,859	.19	15.6
1977.....	5,508	29.3	2,040	2.4	35,822	.17	17.8
1978.....	4,230	33.2	1,823	1.9	36,922	.17	22.8
1979.....	4,827	32.1	1,727	1.9	34,754	.15	20.1
1980.....	3,685	35.4	1,386	1.5	33,289	.14	24.4
1981.....	2,588	(NA)	1,081	1.2	24,730	.11	22.9

NA Not available. ¹Workers counted more than once if involved in more than 1 stoppage during year. ²In 1957, total employed workers was redefined to coincide with U.S. Bureau of Labor Statistics figures for nonagricultural employment, plus agricultural wage and salaried workers. Idleness computed on this basis is lower than the former series. ³Estimated working time computed by multiplying average number of employed workers (see footnote 2) by number of days worked by most employees.

Source: U.S. Bureau of Labor Statistics, *Analysis of Work Stoppages*, annual.

No. 685. WORK STOPPAGES—MAJOR ISSUES, DURATION, AND INDUSTRY: 1979 TO 1981

[Issues and industries data based on stoppages beginning in year; duration data on stoppages ending in year. See headnote, table 684. Stoppages affecting more than 1 industry are counted separately in each industry affected; workers involved and work-days idle are allocated among the appropriate industries. See *Historical Statistics, Colonial Times to 1970*, series D 977-1021, for related but not comparable data]

MAJOR ISSUES, DURATION, AND INDUSTRY GROUP	WORK STOPPAGES			WORKERS INVOLVED ¹ (1,000)			DAYS IDLE (1,000)		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
MAJOR ISSUES									
All issues	4,827	3,886	2,568	1,727	1,386	1,081	34,754	33,288	24,730
General wage changes	3,180	2,801	1,710	1,114	853	754	25,640	22,020	20,974
Supplementary benefits.....	62	79	54	46	15	31	680	294	496
Wage adjustments	103	52	33	35	43	6	1,335	2,361	156
Hours of work.....	7	9	7	2	1	1	26	14	5
Other contractual matters.....	279	204	121	56	35	22	787	876	292
Union organization and security.....	250	205	170	48	35	32	1,119	673	389
Job security.....	168	202	130	109	202	114	2,461	3,496	1,714
Plant administration	616	383	278	266	142	101	2,490	3,327	589
Other working conditions	59	55	29	16	14	11	120	99	72
Interunion or intraunion matters.....	76	65	31	33	24	8	97	79	40
Not reported	17	30	5	2	3	(z)	20	48	2
DURATION									
All stoppages	4,779	3,939	2,781	1,721	1,386	1,130	34,973	33,825	28,588
1 day.....	467	324	195	151	82	124	181	82	124
2-3 days.....	454	325	252	153	134	70	2,125	274	146
4-6 days.....	482	389	258	157	153	91	3,942	587	277
7-14 days.....	915	741	525	446	290	149	4,654	2,250	883
15-29 days.....	875	820	483	256	256	151	3,374	3,677	2,008
30-59 days.....	837	681	508	331	201	201	10,570	5,350	6,045
60-89 days.....	383	267	208	135	86	216	1,852	4,644	10,415
90 days and over	386	392	342	83	186	128	8,275	16,959	8,689
INDUSTRY GROUP									
All industries	4,827	3,886	2,568	1,727	1,386	1,081	34,754	33,288	24,730
Manufacturing	2,298	1,809	1,192	961	453	263	20,291	17,154	6,132
Ordnance and accessories.....	2	-	-	3	-	-	175	-	-
Food and kindred products	178	155	109	41	33	15	969	810	315
Tobacco manufactures.....	2	-	1	(z)	-	(z)	1	-	5
Textile mill products.....	30	33	15	5	6	3	194	165	54
Apparel and other finished products, etc.	55	37	25	11	3	7	230	62	86
Lumber, wood products (exc. furniture).....	60	70	28	15	10	17	289	420	102
Furniture and fixtures.....	74	60	45	13	15	4	272	310	90
Paper and allied products.....	110	68	47	21	18	9	1,135	634	285
Printing, publishing, and allied industries.....	39	33	26	11	8	2	217	132	137
Chemicals and allied products	143	89	60	22	11	14	1,172	469	450
Petroleum refining and related industries.....	33	19	14	12	65	4	260	3,764	129
Rubber and misc. plastics products	112	61	36	28	9	3	768	242	102
Leather and leather products.....	17	7	11	5	3	3	163	42	12
Stone, clay, and glass products.....	163	118	71	29	15	11	574	359	272
Primary metal industries.....	202	175	114	50	42	23	1,481	1,747	887
Fabricated metal products ²	352	280	203	56	49	27	1,963	1,400	725
Machinery (except electrical).....	316	280	181	174	62	44	5,618	2,759	883
Electrical machinery, equip., and supplies.....	195	140	106	76	45	38	2,028	753	558
Transportation equipment.....	141	114	66	95	49	33	2,333	2,679	931
Instruments and related products.....	28	29	16	6	6	2	249	202	77
Miscellaneous manufacturing industries	57	42	19	10	6	2	202	205	34
Nonmanufacturing	2,536	2,080	1,377	1,047	913	818	14,462	16,135	13,886
Agriculture, forestry, and fisheries	20	19	10	9	6	1	569	106	31
Mining	441	297	196	141	117	298	511	1,952	8,866
Contract construction	273	287	243	121	320	210	1,646	4,753	4,440
Transportation, communication, etc	376	243	181	387	96	88	5,643	1,741	640
Wholesale and retail trade.....	511	411	247	64	61	47	1,368	1,403	669
Finance, insurance, real estate.....	28	25	15	3	2	1	72	55	131
Services—personal, business, etc.....	301	262	194	67	86	44	1,671	3,777	1,216
Government	593	536	291	254	224	132	2,983	2,348	2,605

- Represents zero. Z Fewer than 500. ¹ See footnote 1, table 684. ² Except ordnance, machinery, and transportation equipment.

Source: U.S. Bureau of Labor Statistics, *Analysis of Work Stoppages*, annual.

NO. 686. STATE AND LOCAL GOVERNMENTS—FULL-TIME EMPLOYMENT, ORGANIZED EMPLOYEES, AND WORK STOPPAGES, 1975 TO 1980, AND BY FUNCTION, 1980

[For October, except as noted]

ITEM	1975, total	1977, total	1978, total	1979, total	1980							
					Total ¹	Education			High-ways	Hos-pitals	Police and fire pro-tect-ion	Pub-lic wel-fare
						Total	In-struc-tional	Other				
Full-time employees (1,000):												
Total	9,397	9,861	9,848	10,193	10,314	4,844	3,129	1,715	526	1,007	793	381
State	2,540	2,677	2,738	2,839	2,868	890	295	504	253	523	72	189
Local	6,857	7,185	7,212	7,354	7,446	3,953	2,833	1,121	273	484	721	193
Membership in employee organizations (1,000): ²												
Total	4,702	4,711	4,786	4,881	5,031	2,086	2,031	864	236	403	457	181
Percent of full-time employees	49.9	47.8	48.1	47.9	48.6	55.4	64.9	38.2	45.0	40.0	57.7	41.8
State	1,006	1,008	1,043	1,098	1,163	284	107	157	134	261	37	69
Local	3,697	3,701	3,745	3,783	3,868	2,422	1,924	497	103	142	420	82
Work stoppages (number): ^{3,4}												
Total	490	485	488	553	502	287	225	62	45	20	63	14
State	36	33	27	46	22	7	4	3	-	4	1	1
Local	454	452	461	507	480	280	221	59	45	16	62	13
Employees involved in work stoppages (1,000): ³												
Total	316	179	178	212	235	129	99	27	3	7	10	3
State	71	35	10	30	16	4	2	2	-	1	(2)	(2)
Local	245	144	169	182	217	122	97	25	3	6	10	3
Days of idleness (1,000): ³												
Total	2,421	1,458	3,542	2,136	2,407	1,534	1,235	298	28	32	82	23
State	290	184	151	128	90	37	18	20	-	2	(2)	(2)
Local	2,130	1,274	3,391	2,007	2,317	1,496	1,216	278	28	30	82	23

- Represents zero. Z Less than 500. ¹ Includes other functions, not shown separately. ² Full-time employees only. ³ Represents period from October 16 of previous year to October 15 of year stated. ⁴ Contains duplication; each work stoppage is counted separately for each function affected, but only once in the total work stoppages.

Source: U.S. Bureau of the Census, *Labor-Management Relations in State and Local Governments: 1975, 1976, 1978, and 1980*, series G88 Nos. 61, 95, 100, and 102 and *1977 Census of Governments*, vol. 3, No. 3.

NO. 687. WORKERS KILLED OR DISABLED ON THE JOB, 1945 TO 1981, AND BY INDUSTRY GROUP, 1981

[1981 data are preliminary estimates. Estimates based on data from U.S. National Center for Health Statistics, State departments of health, and State industrial commissions. Numbers of workers based on data from U.S. Bureau of Labor Statistics]

YEAR	DEATHS						Dis-abling In-jur-ies ² (1,000)	YEAR AND INDUSTRY GROUP	DEATHS		Dis-abling In-jur-ies ² (1,000)
	Total		Manufacturing		Nonmanu-facturing				Num-ber (1,000)	Rate ¹	
	Num-ber (1,000)	Rate ¹	Num-ber (1,000)	Rate ¹	Num-ber (1,000)	Rate ¹					
1945	16.5	33	2.7	16	13.8	39	2,000	1981, total	12.3	12	2,199
1950	15.5	27	2.6	17	12.9	31	1,960	Agriculture ³	1.9	54	290
1955	14.2	24	2.0	12	12.2	29	1,950	Mining and quarrying .....	.8	65	80
1960	13.6	21	1.8	10	12.1	25	1,960	Construction	2.2	40	210
1965	14.1	20	1.9	10	12.3	24	2,100	Manufacturing	1.4	7	400
1970	13.6	16	1.7	9	12.1	21	2,200	Transportation and utilities	1.7	31	260
1972	14.0	17	1.7	9	12.3	20	2,400	Trade ⁴	1.2	5	360
1973	14.3	17	1.8	9	12.5	20	2,500	Service ⁵	1.7	7	360
1974	13.3	16	1.7	8	11.8	18	2,300	Government	1.8	10	360
1975	13.0	15	1.6	9	11.4	17	2,200				
1976	12.5	14	1.7	9	10.8	16	2,200				
1977	12.9	14	1.8	9	11.1	16	2,200				
1978	13.1	14	1.9	9	11.3	15	2,200				
1979	13.3	14	1.8	9	11.5	15	2,300				
1980	13.0	13	1.8	8	11.4	15	2,200				
1981	12.3	12	1.4	7	10.9	14	2,100				

¹ Per 100,000 workers. ² Disabling injury defined as one which results in death, some degree of physical impairment, or renders the person unable to perform regular activities for a full day beyond the day of the injury. ³ Includes forestry and fishing. ⁴ Includes wholesale and retail trade. ⁵ Includes finance, insurance and real estate.

Source: National Safety Council, Chicago, IL, *Accident Facts*, annual. (Copyright.)

No. 686. OCCUPATIONAL INJURY AND ILLNESS INCIDENCE RATES, SELECTED INDUSTRIES: 1975 TO 1980

[Rates per 100 full-time employees. For nonfarm employment data, see table 681. Rates refer to any occupational injury or illness resulting in (1) fatalities, (2) lost workday cases, or (3) nonfatal cases without lost workdays. Incidence rates were calculated as: Number of injuries and illnesses or lost workdays multiplied by 200,000 ~~as~~ base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks a year) divided by total hours worked by all employees during year. Based on the 1972 Standard Industrial Classification Manual.]

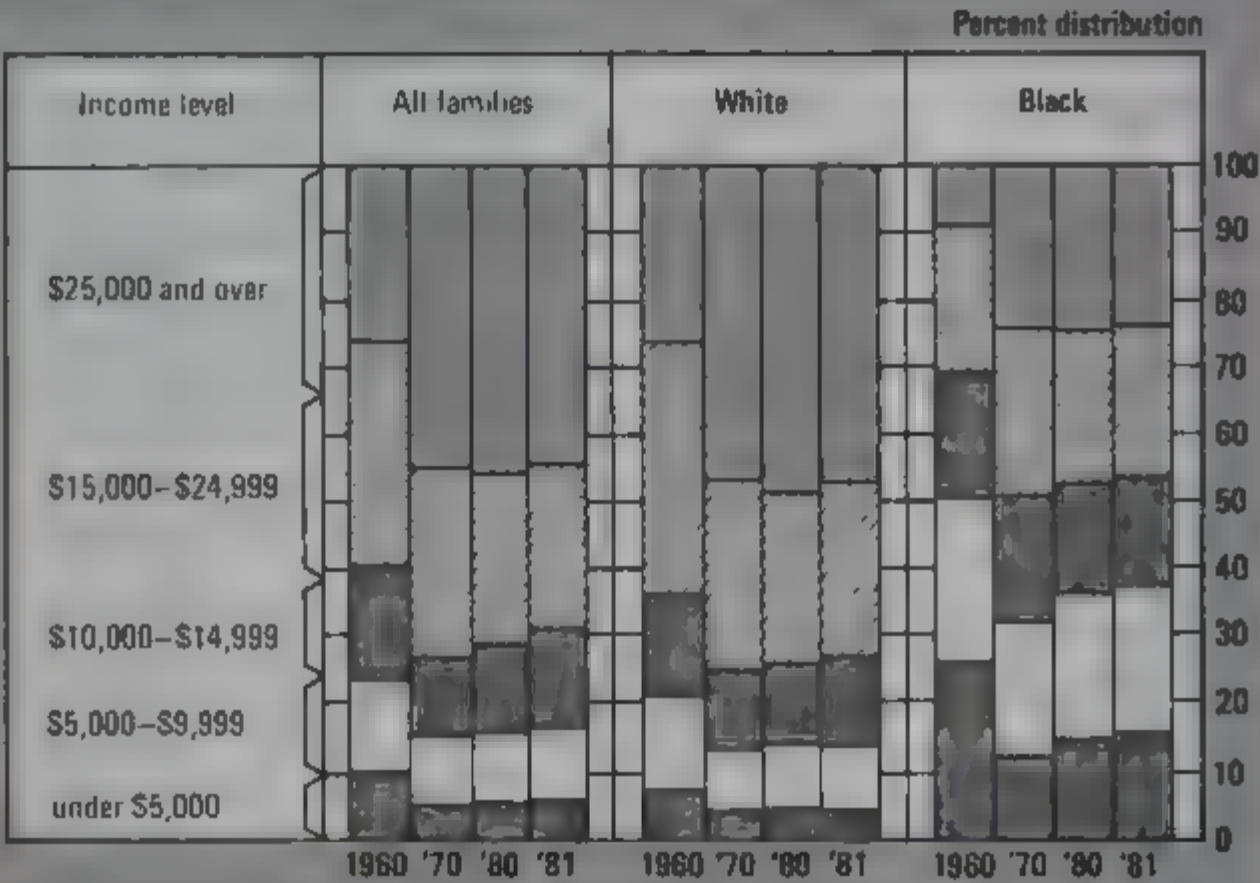
INDUSTRY	TOTAL CASES ¹			LOST WORKDAY CASES			NONFATAL CASES, NO LOST WORKDAYS			LOST WORKDAYS		
	1975	1979	1980	1975	1979	1980	1975	1979	1980	1975	1979	1980
Private sector ²	8.1	9.6	8.7	3.3	4.3	4.6	5.8	6.2	4.7	98.2	67.7	66.2
Agriculture, forestry, fishing ³	16.6	11.7	11.9	4.4	5.7	5.8	6.0	6.9	6.1	70.9	83.7	82.7
Mining	11.0	11.4	11.2	5.6	8.8	6.6	6.4	4.6	4.6	110.6	180.5	163.6
Metal mining	8.5	10.2	8.9	4.4	8.0	5.5	2.1	4.2	3.4	69.2	118.2	129.3
Anthracite mining	28.4	18.6	13.8	10.2	11.0	6.6	18.1	7.6	6.2	211.3	267.1	276.7
Bituminous coal and lignite	10.8	10.4	10.1	6.4	8.3	8.3	4.3	2.0	1.8	101.5	208.0	252.3
Oil and gas extraction	14.0	13.6	13.4	6.2	7.0	6.7	7.7	8.5	6.8	149.1	151.2	152.7
Nonmetallic minerals exc. fuels	6.0	6.4	5.4	3.5	4.2	3.8	2.4	2.2	1.8	45.6	81.5	68.8
Construction	16.9	16.2	16.7	6.5	8.8	6.5	10.4	8.3	■	100.2	130.4	117.0
General building contractors	15.5	16.3	16.5	5.3	8.8	6.5	10.2	8.5	9.0	91.7	111.2	113.0
Heavy construction contractors	17.1	16.6	16.3	5.9	8.7	6.3	11.2	8.9	9.9	113.6	123.1	117.6
Special trade contractors	16.5	16.0	16.6	5.4	8.9	6.7	10.1	9.0	6.8	98.7	124.3	118.9
Manufacturing	13.6	13.3	12.2	4.5	5.8	5.4	8.5	7.4	6.8	75.8	90.2	■
Durable goods	14.2	14.2	12.9	4.8	6.3	5.6	9.4	7.9	7.3	81.1	86.1	90.9
Lumber and wood products	21.0	20.7	18.6	8.5	10.8	9.5	12.5	9.9	9.1	156.7	175.9	171.8
Furniture and fixtures	16.9	17.6	16.0	5.1	7.1	6.8	10.8	10.4	9.4	80.8	98.6	97.6
Stone, clay, and glass products	16.0	16.8	15.0	5.9	8.0	7.1	10.1	8.7	7.9	108.5	133.7	128.1
Primary metal industries	17.0	17.3	15.2	8.1	8.1	7.1	10.9	9.2	8.1	114.3	134.7	128.3
Fabricated metal products	19.1	19.9	18.5	6.6	8.7	8.0	12.5	11.2	10.5	104.3	124.2	118.4
Machinery, exc. electric	14.9	14.7	13.7	4.6	5.9	5.5	10.3	8.7	8.2	68.9	83.6	81.3
Electric and electronic equipment	6.6	6.6	6.0	2.5	3.4	3.3	6.0	5.2	4.7	41.9	51.9	51.8
Transportation equipment	12.4	11.6	10.6	4.5	5.5	4.9	7.8	6.1	5.7	76.5	85.9	82.4
Instruments and related products	6.9	7.2	6.8	2.1	2.8	2.7	4.8	4.4	4.1	36.7	40.0	41.8
Miscellaneous	11.3	11.7	10.9	3.6	4.7	4.3	7.7	7.0	6.5	58.0	67.7	67.9
Nondurable goods	11.4	11.8	11.1	4.1	5.3	5.0	7.3	6.5	6.1	69.7	82.3	80.4
Food and kindred products	16.3	19.9	18.7	7.3	9.5	9.0	11.0	10.4	9.7	113.6	141.8	126.8
Tobacco manufactures	10.3	8.2	8.1	3.9	4.2	3.8	8.4	6.0	4.3	56.4	84.6	45.8
Textile mill products	10.2	9.7	9.1	2.5	3.4	3.3	7.7	6.3	5.8	48.9	61.3	62.8
Apparel and other textile products	6.0	6.5	6.4	1.6	2.2	2.2	4.3	4.3	4.2	27.5	34.1	34.9
Paper and allied products	13.3	13.6	12.7	4.1	6.0	5.8	9.1	7.5	6.9	85.6	106.4	112.3
Printing and publishing	6.7	7.1	6.9	2.4	3.1	3.1	4.3	4.0	3.8	36.7	45.1	46.5
Chemicals and allied products	8.4	7.7	6.8	2.9	3.5	3.1	6.6	4.2	3.7	48.9	54.9	50.3
Petroleum and coal products	9.0	7.7	7.2	3.1	3.8	3.5	5.8	4.1	3.7	65.3	82.0	59.1
Rubber and misc. plastics products	15.7	17.1	15.5	6.7	8.2	7.4	9.0	6.9	6.1	113.3	127.1	116.8
Leather and leather products	11.2	11.5	11.7	3.6	4.9	5.0	7.4	6.6	6.7	55.3	76.2	82.7
Transportation, public utilities	8.4	18.0	9.4	4.7	5.8	5.5	4.7	4.1	3.8	86.8	197.9	104.6
Railroad transportation	8.5	12.4	11.1	4.9	8.1	7.2	3.8	4.3	3.8	78.3	105.9	107.8
Local passenger transit ⁴	6.4	9.3	9.5	4.2	5.1	5.2	4.1	4.1	4.3	80.8	97.5	92.9
Trucking and warehousing	14.8	15.8	14.9	7.5	9.5	9.0	7.2	6.3	5.9	144.9	186.7	187.9
Water transportation	16.8	14.1	14.2	8.2	7.8	8.4	7.6	6.2	5.7	294.1	286.1	300.3
Air transportation	14.9	13.7	13.3	7.4	6.8	6.2	7.5	6.1	5.1	84.7	102.4	105.0
Pipelines, except natural gas	4.7	4.6	5.2	1.6	1.8	1.7	3.0	3.0	3.5	79.3	21.9	31.0
Transportation services	6.2	6.0	4.7	2.9	3.0	2.5	3.3	3.0	2.2	53.9	47.0	40.0
Communication	3.0	2.8	2.8	1.5	1.7	1.6	1.5	1.1	1.2	31.9	29.0	28.6
Electric, gas, sanitary services	9.3	8.9	6.6	3.7	4.4	4.3	5.8	4.6	4.2	68.5	73.0	■
Wholesale and retail trade	7.3	8.0	7.4	2.6	3.4	3.2	4.7	4.6	4.2	38.5	49.8	46.7
Wholesale trade	6.2	8.8	8.2	3.2	4.1	3.9	5.0	4.7	4.3	48.5	59.1	58.2
Retail trade	7.0	7.7	7.1	2.4	3.1	2.6	4.6	4.6	4.2	36.2	44.7	44.5
Finance, insurance, real estate ⁵	2.2	2.1	2.0	.8	.9	.8	1.4	1.3	1.1	10.8	13.3	12.2
Banking	1.6	1.7	1.6	.8	.7	.6	1.2	1.0	.9	9.0	10.1	8.1
Security, commodity brokers	1.0	1.1	.8	.4	.4	.3	.8	.7	.5	3.5	3.8	3.1
Insurance carriers	1.7	2.0	1.7	.6	.8	.7	1.1	1.2	1.0	8.2	10.3	10.8
Real estate	5.0	4.7	4.4	1.9	2.3	2.2	3.1	2.4	2.2	28.7	34.9	32.8
Services ⁶	5.6	6.5	5.2	2.0	2.5	2.3	3.6	3.0	2.8	32.6	36.1	36.6
Hotels and other lodgings	8.2	9.1	8.9	2.6	3.7	3.7	5.8	5.3	5.2	45.0	51.8	50.8
Personal services	3.3	3.2	2.9	1.3	1.5	1.3	2.0	1.7	1.6	20.8	25.5	22.6
Business services	5.0	5.0	5.4	2.0	2.4	2.1	3.0	2.8	2.3	32.9	36.4	31.1
Auto repair, services, and garages	9.0	8.0	7.6	3.4	3.5	3.3	6.6	4.5	4.2	65.1	57.0	47.8
Amusement, recreation services	8.6	8.3	9.2	2.8	3.7	3.6	5.7	4.6	5.4	40.0	58.5	53.6
Health services	6.8	6.6	6.4	2.5	3.2	3.1	4.3	3.6	■	40.3	48.9	47.4
Educational services	3.5	3.3	3.3	1.4	1.3	1.4	2.0	2.0	1.9	20.7	17.2	■
Membership organizations	3.0	(8)	3.4	1.1	(8)	1.0	1.9	(8)	2.4	17.8	(8)	24.6
Miscellaneous services	2.3	2.2	1.6	.7	.8	.7	1.6	1.3	.9	8.6	11.1	10.8

¹ Data do not meet publication guidelines. ² "Cases" represents occurrences. Includes fatalities for all employees.

³ Excludes farms with fewer than 11 employees. ⁴ Includes interurban. ⁵ Includes categories not shown separately.

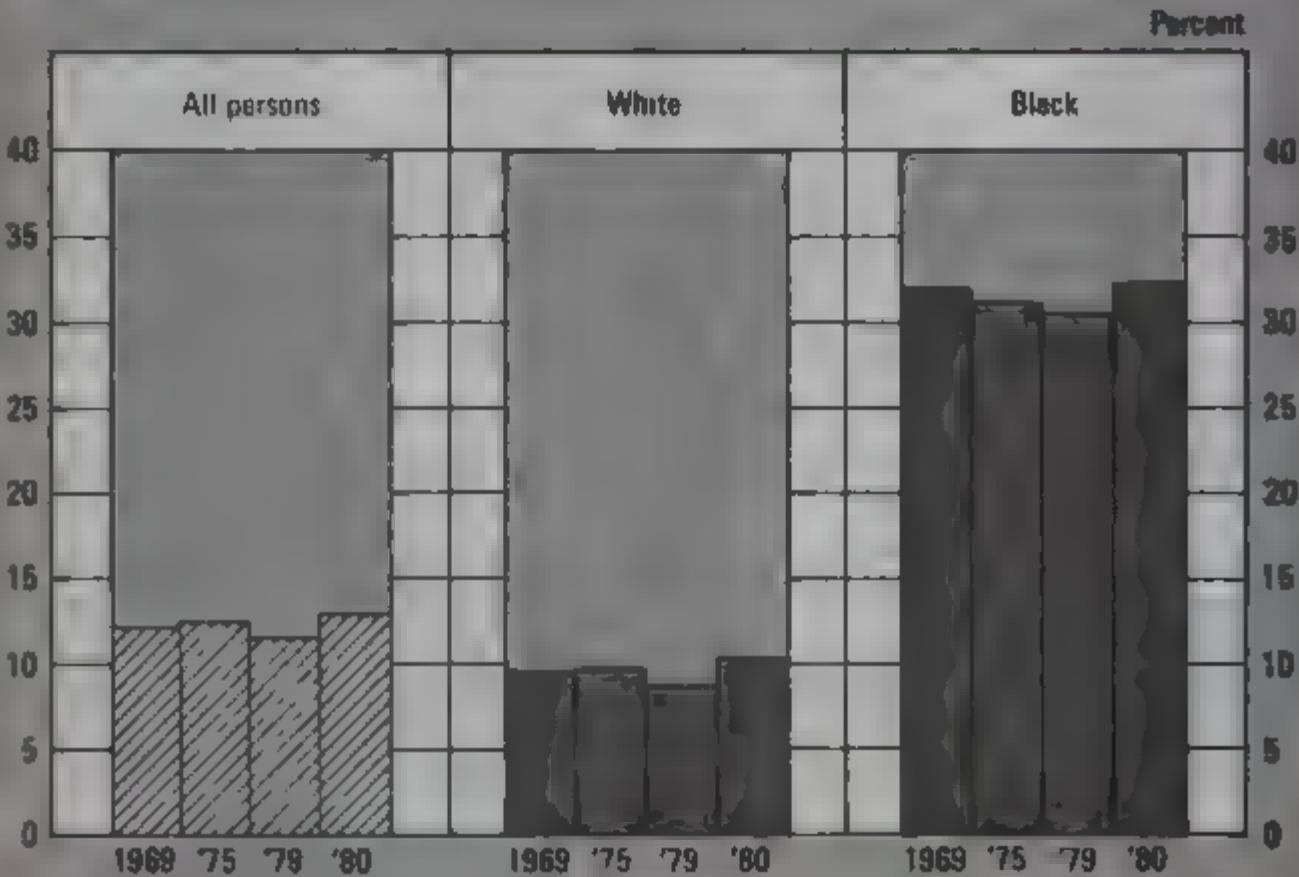
Source: U.S. Bureau of Labor Statistics, *Occupational Injuries and Illnesses in the United States by Industry*, annual.

Figure 14 1
Money Income of Families in Constant (1981) Dollars—Percent Distribution, by Income Level and Race: 1960 to 1981

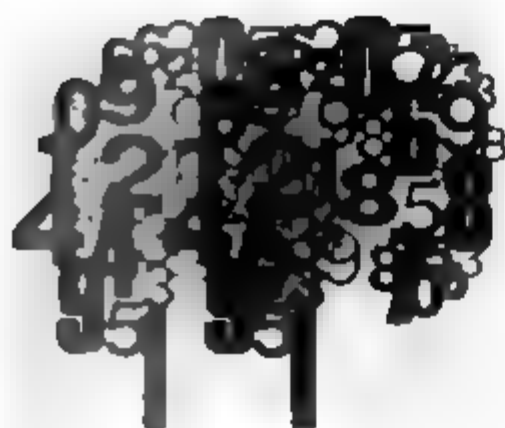


Source Chart prepared by U S Bureau of the Census. For data, see table 713.

Figure 14 2
Percent of Persons Below Poverty Level, by Race: 1969 to 1980



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 728.



Section 14

Income, Expenditures, and Wealth

This section presents data on gross national product (GNP), national and personal income, saving and investment, money income, poverty, and national and personal wealth. The data on income and expenditure measure two aspects of the U.S. economy. One aspect relates to the national income and product accounts (NIPA), a summation reflecting the entire complex of the Nation's economic income and output and the interaction of its major components; the other relates to the distribution of money income to families and individuals, or consumer income.

The primary source for data on GNP, national and personal income, and gross savings and investment is the *Survey of Current Business*, published monthly, with supplements, by the Department of Commerce, Bureau of Economic Analysis (BEA). A comprehensive revision to the NIPA was completed in December 1980. A discussion of the revision and of the conceptual framework of the NIPA appears in the December 1980 *Survey of Current Business*. Detailed historical data appear in *The National Income and Product Accounts of the United States, 1929-78*, and a special supplement to the *Survey, National Income and Product Accounts, 1976-79*, detailed data for the most recent years are normally published each July in the *Survey*.

Sources of income distribution data are the decennial censuses of population and the Current Population Survey, both products of the Bureau of the Census (see text, pages 1 and 2). Annual data on income of families, individuals, and households, by income class, are presented in *Current Population Reports—Consumer Income*, series P-60.

Data on individuals' savings and assets are published by the Board of Governors of the Federal Reserve System in the quarterly *Flow of Funds Accounts*; and detailed information on personal wealth is published periodically by the Internal Revenue Service (IRS) in *Statistics of Income*, Supplemental Report, *Personal Wealth*.

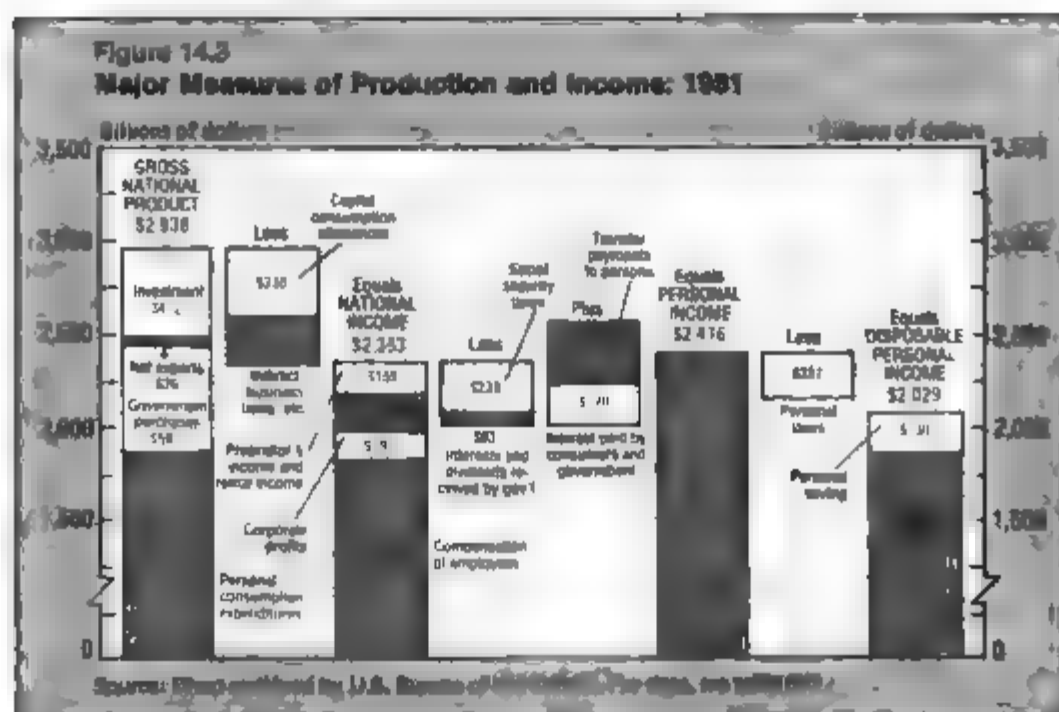
National income and product.—*Gross national product (GNP)* is the total national output of goods and services valued at market prices. GNP can be viewed in terms of expenditure categories which comprise purchases of goods and services by consumers and government, gross private domestic investment, and net exports of goods and services. The goods and services included are largely those bought for final use (excluding illegal transactions) in the market economy. A number of inclusions, however, represent imputed values (estimates of "income in kind"), the most important of which is rental value of owner-occupied housing. GNP, in this broad context, measures the output attributable to the factors of production—labor and property—supplied by U.S. residents. GNP differs from "national income" mainly in that GNP includes allowances for depreciation and for indirect business taxes (such as sales and excise taxes); see table 602. *Gross domestic product* is GNP minus gross product originating outside the U.S.

National income is the aggregate of labor and property earnings which arises in the current production of goods and services by the Nation's economy. It is the sum of employee compensation, proprietors' income, rental income, corporate profits, and net interest. Thus, it measures the total factor costs of the goods and services produced by the economy. Earnings include direct taxes on earnings.

Capital consumption adjustment for corporations and nonfarm sole proprietorships and partnerships is the difference between capital consumption (i.e., depreciation charges and accidental damage to fixed business capital) claimed on income tax returns and capital consumption allowances that are measured at straightline depreciation, consistent service lives, and replacement cost. The tax return data are valued at historical costs and reflect changes over time in service lives and depreciation patterns as permitted by tax regulations. *Inventory valuation adjustment* represents the difference between the book value of inventories used up in production and the cost of replacing them.

Personal income is the current income received by persons from all sources minus their personal contributions for social insurance. Classified as "persons" are individuals (including owners of unincorporated firms), nonprofit institutions, private trust funds, and private noninsured health and welfare funds. Personal income includes transfers (payments not resulting from current production) from government and business such as Social Security benefits, military pensions, etc., but excludes transfers among persons. Also included are certain nonmonetary types of income—chiefly, estimated net rental value to owner-occupants of their homes and the value of services furnished without payment by financial intermediaries and food and fuel produced and consumed on farms.

Disposable personal income is personal income less personal tax and nontax payments. It is the income available to persons for spending and saving. Personal tax and nontax payments are tax payments (net of refunds) by persons (except personal contributions for social insurance) that are not chargeable to business expense, and certain personal payments to general government that are treated like taxes. Personal taxes include income, estate and gift, and personal property taxes. Nontax payments include passport fees, fines and penalties, donations, and tuitions and fees paid to schools and hospitals operated mainly by government.



Distribution of money income to families and individuals.—Money income statistics are based on data collected in various field surveys of income conducted since 1938. Since 1947, the Bureau of the Census has collected the data on an annual basis and published them in *Current Population Reports*, series P-60. In each of the surveys, enumerators interview representative samples of the population with respect to income received during the previous year. Money income as defined by the Bureau of the Census differs from the BEA concept of "personal income" (see above). Money income is income before the deduction of personal income taxes, Social Security taxes, union dues, Medicare deductions, etc., unless otherwise specified in the individual tables. *Nonmoney items of income*, such as wages received in kind, the value of food and fuel produced and consumed on farms, the property income received by life insurance companies, and the value of the services of banks and other financial intermediaries rendered to persons without the assessment of specific charges, are not included. None of the aggregate income concepts (gross national product, national income, or personal income) is exactly comparable with money income, although personal income is the closest.

Several changes were made in the collection and presentation of data from the March 1980 CPS. The changes include (1) the use of a more detailed income questionnaire for all sample households, (2) the use of an expanded sample, (3) the implementation of the "householder" concept rather than the traditional "head" concept, (4) the exclusion of a small number of "secondary families" from the count of all families, (5) the use of more detailed income intervals in the upper range of the income distribution, (6) the introduction of the new farm definition, and (7) the restriction of the population with income to persons 15 years old and over. For more information on the impact and comparability, see the source.

Beginning in the March 1981 Current Population Survey, 1980 census population controls were used; for income years 1971 through 1979, 1970 census population controls had been used. This change had little impact on income summary measures (means and medians) and proportional measures (percent distributions and poverty rates), however, use of the controls may have significant impact on the absolute numbers. Selected tables in this section show 1979 on both bases.

Poverty.—Families and unrelated individuals are classified as being above or below the poverty level using the poverty index originated at the Social Security Administration in 1964 and revised by Federal Interagency Committees in 1969 and 1980. The poverty index is based solely on money income and does not reflect the fact that many low-income persons receive noncash benefits such as food stamps, medicaid, and public housing. The index is based on the Department of Agriculture's 1961 economy food plan and reflects the different consumption requirements of families based on their size and composition. The poverty thresholds are updated every year to reflect changes in the Consumer Price Index. The following technical changes to the thresholds were made in 1981: (1) distinctions based on sex of householder have been eliminated; (2) separate thresholds for farm families have been dropped; and (3) the matrix has been expanded to families of nine or more persons from the old cutoff of seven or more persons. These changes have been incorporated in the calculation of the 1981 poverty data. The table below shows the thresholds used for 1980 and 1981 and also, for 1970 using the previous definition. See *Current Population Report*, series P-60, No. 134, for more details.

WEIGHTED AVERAGE POVERTY LEVELS BASED ON MONEY INCOME FOR FAMILIES: 1970 TO 1980

SIZE OF UNIT	1970			1980			1981
	Total	Families with female hhdr., no husband present ¹	All other families ²	Total	Families with female hhdr., no husband present ¹	All other families ²	Total
1 person (unrelated individual)	\$1,954	\$1,898	\$2,044	\$4,190	\$4,037	\$4,379	\$4,620
Under 65 years	2,010	1,935	2,082	4,280	4,109	4,441	4,729
65 years and over	1,891	1,855	1,879	3,949	3,838	3,990	4,359
2 persons	2,525	2,471	2,534	5,368	5,318	5,373	5,817
Householder under 65 years	2,604	2,522	2,619	5,537	5,415	5,568	6,111
Householder 65 years and over	2,348	2,336	2,349	4,983	4,948	4,988	5,498
3 persons	3,088	3,003	3,113	6,565	6,386	6,806	7,250
4 persons	3,958	3,948	3,970	8,414	8,382	8,418	9,287
5 persons	4,680	4,639	4,684	9,986	9,878	9,978	11,007
6 persons	5,280	5,220	5,283	11,289	11,227	11,274	12,449
7 or more persons	6,488	6,317	6,486	13,955	13,757	13,986	(NA)
7 persons	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	14,110
8 persons	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	15,855
9 or more persons	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	18,572

NA Not available. ¹ Includes female unrelated individuals. ² Includes male unrelated individuals.

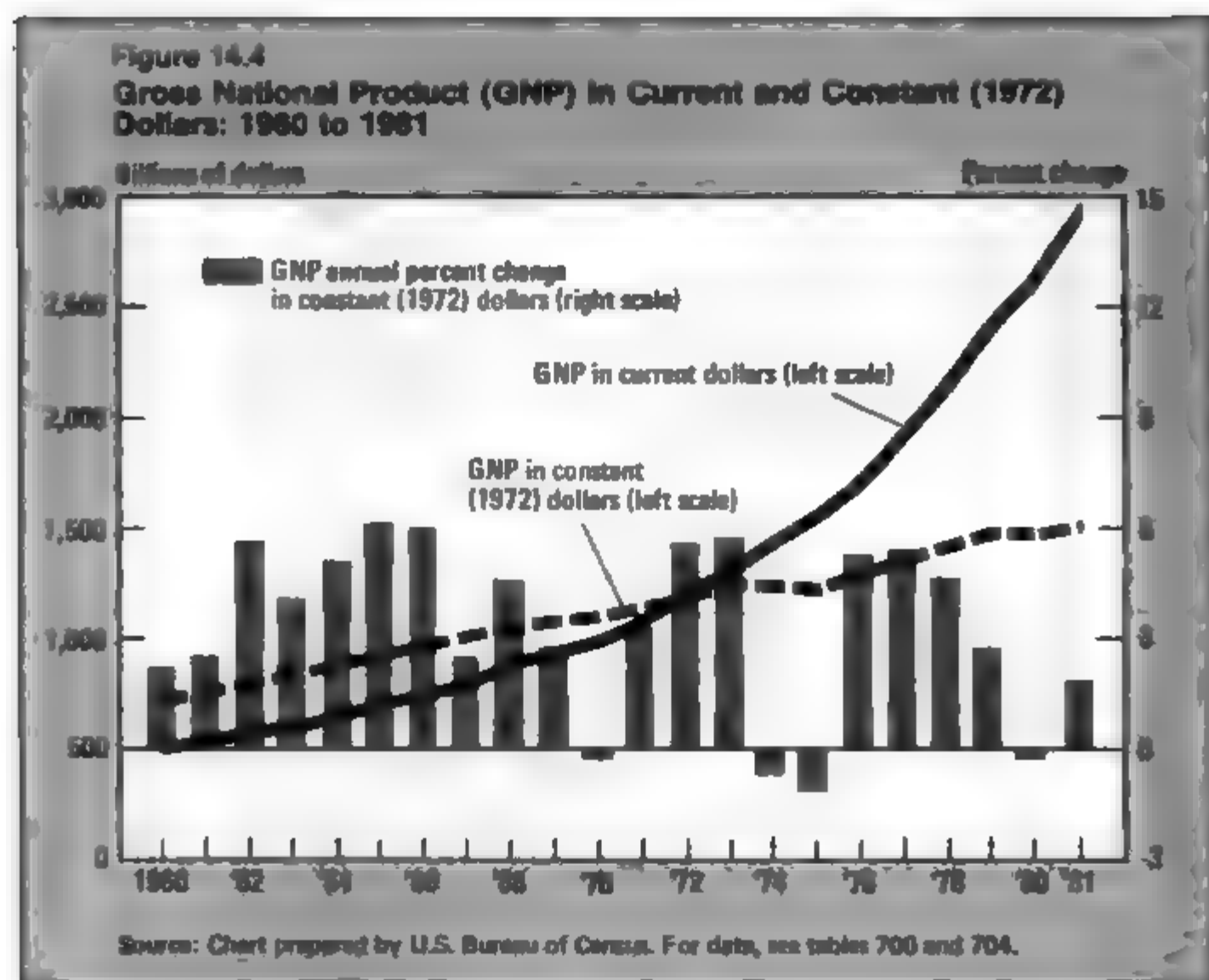
Personal wealth.—Personal wealth estimates, issued by the IRS, are based on a sample of Federal estate tax returns which must be filed for deceased persons. Estimates are weighted to adjust for age, sex, and "social class" (as determined by IRS through insurance holdings). Gross estate is the gross value of all assets, including the full face value of life insurance (reduced by policy loans), before reduction by the amount of debts. Net worth is one's level of worth after all debts have been removed. At the time of publication, data for 1972 was the most recent available, though 1976 was in process.

Current and constant dollars.—Figures in a number of tables in this section are expressed in both current dollars and constant dollars. Current dollar figures reflect prices prevailing during the specified period. Constant dollar figures are values which do not include the effect of price changes. The constant dollar values may be obtained by dividing current dollar values for a given period by related price indexes for the same period.

The implicit price deflator for GNP is the ratio of GNP in current dollars to GNP in constant dollars. The money income statistics are deflated by means of the Consumer Price Index prepared by the Bureau of Labor Statistics; see text, Section 15, page 451.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.



NO. 689. GROSS NATIONAL PRODUCT—SUMMARY: 1929 TO 1981

(In billions of dollars. Prior to 1960, excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series F 1 and F 32-70, for single-year figures prior to revisions issued in 1981)

YEAR	Gross national product	Personal consumption expenditure	Gross private domestic investment	Net exports of goods and services	Govt. purchases, goods and services	BY MAJOR TYPE OF PRODUCT			BY SECTOR			
						Goods	Services	Structures	Business	Households and institutions	Government	Rest of the world
1929	103.4	77.3	16.2	1.1	6.8	56.1	35.6	11.4	95.4	2.9	4.3	.8
1930	90.7	69.9	10.2	1.0	9.5	47.0	34.5	9.2	82.8	2.7	4.5	.7
1933	55.8	45.8	1.4	4	8.2	27.0	25.9	2.9	49.1	1.7	4.7	.3
1940	100.0	71.0	13.1	1.8	14.2	56.0	35.7	6.3	89.4	2.4	7.6	.4
1945	212.4	119.5	10.6	-5	62.8	126.9	77.0	6.5	172.8	4.1	35.2	.4
1950	286.5	192.0	53.8	2.2	36.5	182.4	86.5	35.8	257.5	6.4	20.9	1.6
1955	400.0	253.7	66.4	3.0	75.0	214.5	136.1	49.5	354.0	9.1	34.2	2.8
1960	506.5	324.9	75.9	5.5	100.3	254.2	193.8	58.5	442.0	13.8	47.1	3.6
1965	691.1	430.4	113.5	6.8	138.4	336.4	273.3	79.3	598.4	19.2	67.8	5.9
1970	992.7	621.7	144.2	6.7	220.1	459.9	429.9	102.9	837.3	32.3	115.8	7.3
1971	1,077.8	672.2	166.4	4.1	234.9	485.3	472.0	120.3	907.1	35.4	126.0	8.2
1972	1,185.9	737.1	195.0	7	253.1	529.6	519.0	137.3	996.6	38.6	137.8	10.9
1973	1,326.4	812.0	229.8	14.2	270.4	604.1	571.5	150.8	1,118.7	42.1	149.8	16.0
1974	1,434.2	886.1	229.7	13.4	304.1	646.7	636.1	151.4	1,206.4	45.8	162.2	18.8
1975	1,548.2	976.4	206.1	26.6	339.9	684.0	705.2	150.0	1,301.7	50.6	179.8	17.3
1976	1,718.0	1,084.3	257.9	13.8	362.1	771.1	779.3	167.6	1,447.3	55.6	194.8	20.5
1977	1,918.3	1,204.4	324.1	-4.0	363.6	855.0	867.2	196.1	1,624.0	60.5	210.3	23.5
1978	2,163.9	1,346.5	386.6	-1.1	431.9	958.6	972.2	233.1	1,837.2	67.8	229.3	29.6
1979	2,417.8	1,507.2	423.0	13.2	474.4	1,065.6	1,089.7	262.5	2,052.1	75.6	247.4	42.6
1980	2,633.1	1,667.2	402.3	25.2	538.4	1,141.9	1,225.5	265.7	2,226.8	85.4	272.8	46.1
1981	2,937.7	1,843.2	471.5	26.1	596.9	1,269.2	1,364.3	284.2	2,492.7	96.4	299.7	48.2

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*, and *Survey of Current Business*, July 1982.

NO. 690. GNP IN CURRENT AND CONSTANT (1972) DOLLARS: 1960 TO 1981

[In billions of dollars, except as indicated. See *Historical Statistics, Colonial Times to 1970*, series F 1, F 5, and F 47-70 for single-year figures prior to revisions issued in 1981]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
CURRENT DOLLARS												
Gross national product (GNP).....	607	661	683	1,328	1,434	1,546	1,718	1,816	2,164	2,418	2,633	2,888
Avg. annual percent change ¹	4.6	8.4	7.5	10.1	6.1	8.0	10.9	11.7	12.6	11.7	8.9	11.6
Implicit price deflator ²	66.7	74.4	81.5	105.6	115.1	125.8	132.3	140.1	150.4	163.4	178.6	195.5
Personal consumption expenditure.....	325	430	522	812	868	976	1,084	1,254	1,346	1,507	1,667	1,843
Durable goods.....	43	63	65	123	122	132	157	178	200	213	214	235
Nondurable goods.....	161	180	266	333	373	407	442	475	526	600	670	735
Services.....	121	179	271	356	393	437	486	547	616	694	783	874
Gross private domestic investment.....	76	114	144	230	238	306	358	334	367	423	493	472
Fixed investment.....	73	104	141	211	215	213	246	301	350	406	412	451
Nonresidential.....	48	73	104	143	157	158	174	205	249	290	309	346
Residential.....	24	31	37	68	58	55	72	96	111	119	103	105
Business inventories change.....	3	10	3	16	14	-7	12	23	26	14	10	20
Net exports.....	-5	-9	7	14	13	27	14	4	1	13	25	26
Exports, goods and services.....	29	41	66	110	148	155	171	183	219	281	339	367
Imports, goods and services.....	23	32	59	95	133	128	157	187	220	268	314	341
Government purchases ³	169	196	230	270	304	340	362	384	432	474	538	587
Federal.....	54	67	96	102	111	123	129	143	154	168	197	229
National defense.....	44	49	74	73	77	83	86	93	100	112	131	154
State and local.....	47	71	124	166	193	217	233	250	278	306	341	368
Final sales ⁴	604	661	680	1,306	1,420	1,566	1,706	1,865	2,137	2,408	2,643	2,917
CONSTANT (1972) DOLLARS												
Gross national product (GNP).....	737	828	1,088	1,284	1,346	1,232	1,268	1,379	1,436	1,478	1,474	1,503
Annual percent change ¹	2.3	4.7	3.2	4.9	- 8	- 1.2	5.4	5.5	5.0	2.8	- 4	1.9
Potential GNP ⁵	774	928	1,110	1,225	1,278	1,321	1,366	1,411	1,459	1,505	1,549	1,593
Personal consumption expenditure.....	462	667	672	768	763	779	823	864	909	928	930	948
Durable goods.....	51	73	69	121	112	113	127	136	147	147	137	140
Nondurable goods.....	206	244	284	307	303	307	322	333	344	353	358	362
Services.....	162	241	299	339	348	369	375	393	412	427	438	446
Gross private domestic investment.....	106	152	159	216	196	186	186	214	237	236	208	226
Fixed investment.....	101	140	155	200	184	182	177	201	221	229	213	217
Nonresidential.....	67	97	114	136	136	119	126	140	156	170	166	172
Residential.....	34	43	41	62	48	42	51	61	82	58	47	45
Business inventories change.....	4	12	4	17	12	-7	8	13	16	7	-5	9
Net exports.....	9	16	9	16	28	32	25	22	24	27	51	42
Exports, goods and services.....	36	52	70	97	106	104	110	113	127	146	156	158
Imports, goods and services.....	31	42	67	82	81	71	85	91	103	109	106	116
Government purchases ³	173	216	261	264	260	265	265	269	275	278	286	287
Federal.....	60	100	111	96	97	97	100	100	102	102	106	110
State and local.....	82	109	140	167	164	168	165	169	174	176	179	177
Final sales ⁴	734	816	1,082	1,237	1,235	1,241	1,290	1,358	1,423	1,472	1,479	1,494

¹Change from prior year shown; for 1980, change from 1955. For explanation of average annual percent change, see Guide to Tabular Presentation. ²1972=100. ³Purchases of goods and services. ⁴GNP minus inventory change. ⁵Source: U.S. Council of Economic Advisors. Potential GNP is the output the economy could produce with the existing technology under assumed conditions of high, sustainable utilization of the factors of production. See *Economic Report of the President*, January 1982.

NO. 691. GNP COMPONENTS—ANNUAL GROWTH RATES: 1960 TO 1981

[Percent. Represents changes in constant 1972 dollar GNP. GNP = Gross national product. See headnote, table 690. Minus sign (-) indicates decline]

YEAR OR PERIOD	GNP	PERSONAL CONSUMPTION EXPENDITURE				GROSS PRIVATE DOMESTIC INVESTMENT			GOVERNMENT PURCHASES		Imports	Exports
		Total	Durable goods	Nondurable goods	Services	Total	Fixed investment	Residential	Federal	State and local		
1960-1965.....	4.7	4.3	7.2	3.2	4.6	7.7	4.5	7.8	2.1	5.9	6.3	6.1
1965-1970.....	3.2	3.8	4.2	3.1	4.4	.9	- .8	3.2	2.0	5.1	9.9	6.4
1970-1971.....	3.4	2.7	10.2	1.7	3.6	6.7	31.0	-1.4	-8.2	4.2	4.2	.7
1971-1972.....	5.7	5.5	13.1	4.1	5.0	12.2	18.9	7.9	-2.0	3.5	10.6	9.2
1972-1973.....	5.6	4.2	9.2	2.2	4.3	11.5	-2.4	14.1	-5.7	4.0	6.6	25.6
1973-1974.....	- .6	- .7	-7.4	-1.6	2.6	-10.1	-22.7	-1.7	.8	3.9	-1.3	11.5
1974-1975.....	-1.2	2.2	.3	1.6	3.3	-20.6	-12.4	-12.1	.9	2.6	-11.6	-4.6
1975-1976.....	5.4	5.6	12.3	4.7	4.3	19.2	21.3	5.2	- 7	.4	16.6	6.3
1976-1977.....	5.5	5.0	9.0	3.8	4.9	16.1	16.6	11.7	3.6	.2	7.3	2.6
1977-1978.....	5.0	4.5	6.4	3.3	4.6	10.5	2.6	12.9	- .1	3.3	13.0	12.2
1978-1979.....	2.8	2.7	.3	2.5	3.7	- .2	-5.2	7.3	1.6	1.1	6.1	15.4
1979-1980.....	- .4	.3	-6.9	.8	2.4	-11.8	-20.2	-2.2	4.2	1.1	- .4	6.9
1980-1981.....	1.8	1.6	2.2	1.6	1.7	6.4	-4.6	3.5	3.7	- .8	7.2	- .4

Source of tables 690 and 691: Except as noted, U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1969-78*, and *Survey of Current Business*, July 1982.

NO. 692. RELATION OF GNP, NATIONAL INCOME, AND PERSONAL INCOME: 1960 TO 1981

[In billions of dollars. For definitions, see pp. 415-417. See *Historical Statistics, Colonial Times to 1970*, series F 6-9 and F 144-162, for figures prior to revisions issued in 1981]

ITEM	1960	1965	1970	1975	1977	1978	1979	1980	1981
Gross national product.....	506.5	691.1	992.7	1,549.2	1,918.3	2,163.9	2,417.8	2,633.1	2,937.7
Less: Capital consumption allowances ¹	46.3	56.0	88.1	159.3	195.2	222.5	256.0	293.2	330.1
Equals: Net national product.....	460.2	635.0	904.7	1,389.9	1,723.2	1,941.4	2,161.7	2,339.9	2,607.6
Plus: Subsidies less current surplus of government enterprises.....	4	1.6	2.9	2.4	3.1	3.7	3.4	5.5	6.6
Less: Indirect business tax and nontax liability.....	45.4	62.6	94.3	140.1	165.7	178.2	199.6	213.0	251.3
Equals: National income.....	418.7	572.4	813.7	1,239.4	1,560.5	1,760.3	1,966.7	2,117.1	2,362.8
Less: Corporate profits ²	47.6	60.0	71.4	110.5	167.3	182.4	194.6	181.6	180.6
Net interest.....	11.4	21.0	41.4	84.5	102.5	121.7	153.6	187.7	236.7
Contributions for social insurance.....	21.1	30.0	58.6	110.9	140.6	161.8	186.9	204.0	238.1
Plus: Government transfer payments to persons.....	27.6	37.6	76.1	170.9	199.3	214.6	240.0	285.8	323.9
Personal interest income.....	25.0	36.7	69.4	123.2	152.8	179.4	218.7	263.4	329.0
Dividends.....	12.9	19.1	22.2	29.9	39.6	45.3	50.6	55.9	62.5
Business transfers.....	2.0	2.8	4.1	7.4	8.6	9.3	10.3	11.4	12.4
Equals: Personal income.....	402.3	540.7	811.1	1,265.0	1,540.4	1,732.7	1,951.2	2,190.4	2,415.8
Less: Personal tax and nontax payments.....	50.4	64.9	115.6	188.9	226.4	258.7	301.0	336.3	386.7
Equals: Disposable personal income.....	352.0	475.8	695.5	1,076.1	1,314.0	1,474.0	1,650.2	1,854.1	2,029.1
Less: Personal outlays.....	332.3	442.1	639.5	1,001.8	1,236.0	1,384.6	1,553.5	1,717.9	1,896.9
Equals: Personal saving.....	19.7	33.7	55.8	84.3	78.0	89.4	96.7	109.2	130.2

¹With capital consumption adjustment.

²With inventory valuation and capital consumption adjustments.

Source: Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-78*, and *Survey of Current Business*, July 1982.

NO. 693. GROSS NATIONAL PRODUCT, BY INDUSTRY, IN CURRENT AND CONSTANT (1972) DOLLARS: 1960 TO 1981

[In billions of dollars. The current-dollar data differ from national income by industry (table 701) for two reasons: (1) Current dollar data include both factor and non-factor charges against gross product; and (2) Corporate profits and capital consumption allowances have been shifted from a company to an establishment basis. See *Historical Statistics, Colonial Times to 1970*, series F 130-143, for single-year figures prior to revisions issued in 1981]

INDUSTRY	1960	1965	1970	1975	1977	1978	1979	1980	1981
CURRENT DOLLARS									
All industries, total.....	506.5	691.1	992.7	1,549.2	1,918.3	2,163.9	2,417.8	2,633.1	2,937.7
Agriculture, forestry, fisheries.....	21.4	23.6	26.6	53.3	54.6	66.0	79.6	74.1	86.6
Mining.....	12.6	13.5	17.6	36.6	47.4	52.0	66.6	94.1	127.2
Construction.....	23.2	32.8	46.9	89.9	86.6	102.1	115.7	121.2	127.2
Manufacturing.....	143.8	197.7	252.2	358.2	464.6	518.7	563.2	561.2	644.0
Transportation.....	22.5	26.6	36.7	55.6	71.6	82.1	91.5	99.2	107.8
Communication.....	10.5	15.2	23.8	40.0	49.5	55.6	60.6	66.0	77.9
Electric, gas, sanitary services.....	12.8	16.6	23.1	40.1	49.8	55.3	57.6	65.2	76.4
Wholesale and retail trade.....	84.2	112.6	166.5	266.2	322.3	362.3	401.4	425.7	472.7
Finance, insurance, real estate.....	71.6	96.0	142.4	216.2	275.5	317.4	358.3	405.2	448.2
Services.....	49.2	70.8	114.4	186.2	234.3	265.9	302.4	342.5	388.9
Government and government enterprises.....	53.4	78.7	130.5	202.0	237.2	259.1	279.6	306.8	336.7
Statistical discrepancy.....	-2.4	-1.2	-1.5	5.6	1.4	2.6	-1.5	3.9	-1.9
Rest of the world.....	3.6	5.9	7.3	17.3	23.5	29.6	42.6	46.1	49.2
CONSTANT (1972) DOLLARS									
All industries, total.....	737.2	929.3	1,086.6	1,231.6	1,906.7	1,436.6	1,479.4	1,474.6	1,802.6
Agriculture, forestry, fisheries.....	32.1	32.6	34.4	37.1	36.9	37.0	36.9	36.1	43.4
Mining.....	13.5	15.7	18.9	18.9	19.5	20.1	20.8	21.6	21.6
Construction.....	46.1	54.4	63.4	46.3	55.0	58.8	58.2	53.3	52.0
Manufacturing.....	171.8	236.7	281.2	289.6	339.2	257.2	367.0	351.2	359.2
Transportation.....	30.3	37.1	42.7	46.2	51.2	55.0	56.3	52.3	50.5
Communication.....	12.1	16.9	26.1	36.2	41.6	45.7	49.0	53.4	56.3
Electric, gas, sanitary services.....	15.0	19.4	26.1	31.1	32.3	33.5	34.7	36.1	35.3
Wholesale and retail trade.....	117.5	148.2	176.4	208.7	231.0	244.6	260.7	243.3	260.4
Finance, insurance, real estate.....	102.7	126.5	156.8	187.9	207.2	217.8	229.4	237.9	243.6
Services.....	83.5	103.1	126.7	148.5	164.3	174.2	183.0	189.0	196.7
Government and government enterprises.....	107.7	127.8	152.9	184.3	167.5	171.7	174.3	177.3	178.1
Statistical discrepancy.....	-3.3	1.8	-1.7	4.4	1.0	-1.8	-1.0	2.2	-0.9
Residual.....	3.1	2.3	4.7	-4.2	6.0	4.9	6.1	-7.7	-0.7
Rest of the world.....	5.2	7.9	8.0	13.6	16.9	19.9	26.3	26.1	25.4

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-78*, and *Survey of Current Business*, July 1982.

NO. 694. PER CAPITA INCOME AND PRODUCT FOR SELECTED ITEMS: 1960 TO 1981

[Based on Bureau of the Census estimated population including Armed Forces abroad as of July 1, 1960-1970; thereafter, based on quarterly averages. See *Historical Statistics, Colonial Times to 1970*, series F 17-30, for single-year figures prior to minor revisions issued in 1981]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
CURRENT DOLLARS											
Gross national product	2,802	3,558	4,641	6,705	7,173	7,878	8,708	9,720	10,741	11,568	12,780
Personal income	2,226	2,782	3,655	5,483	5,857	6,379	6,993	7,783	8,668	9,490	10,510
Disposable personal income	1,947	2,448	3,360	4,667	5,075	5,477	5,965	6,621	7,331	8,012	8,827
Personal consumption expenditures	1,797	2,214	3,031	4,152	4,521	4,972	5,468	6,048	6,695	7,323	8,016
Durable goods	238	324	415	566	612	719	809	899	948	941	1,020
Nondurable goods	836	971	1,296	1,748	1,896	2,026	2,174	2,373	2,666	2,945	3,195
Services	723	920	1,320	1,838	2,023	2,227	2,485	2,776	3,082	3,437	3,803
CONSTANT (1972) DOLLARS											
Gross national product	4,078	4,782	5,293	5,827	5,702	5,953	6,218	6,462	6,572	6,475	6,537
Disposable personal income	2,709	3,171	3,685	4,009	4,051	4,158	4,260	4,441	4,512	4,472	4,538
Personal consumption expenditures	2,501	2,868	3,277	3,566	3,609	3,774	3,924	4,057	4,121	4,087	4,123
Durable goods	284	374	434	525	522	580	626	659	654	602	609
Nondurable goods	1,152	1,255	1,384	1,414	1,424	1,478	1,513	1,547	1,588	1,583	1,578
Services	1,064	1,238	1,459	1,627	1,664	1,718	1,784	1,851	1,898	1,922	1,937

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-78*, and *Survey of Current Business*, July 1982.

NO. 695. ANNUAL GROWTH RATES OF REAL GNP: 1950 TO 1981

[Percent. Figures represent average annual compounded rates of change in real gross national product, based on estimates by Dept. of Commerce of gross national product (expressed in constant 1972 dollars). Minus sign (-) denotes decline. To obtain annual rate of change between any 2 years shown, find column for initial year at top of table and read figure in that column opposite terminal year shown at left. See *Historical Statistics, Colonial Times to 1970*, series F 31, for single-year figures prior to revisions issued in 1981 X = Not applicable]

TERMINAL YEAR	INITIAL YEAR																	
	1950	1955	1960	1965	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
1951	6.3	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1956	3.8	2.1	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1961	3.2	2.4	2.6	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1966	3.9	3.7	4.9	8.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1968	3.9	3.7	4.6	4.4	4.6	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1969	3.8	3.7	4.4	4.0	3.7	2.8	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1970	3.6	3.4	3.9	3.2	2.4	1.3	2	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1971	3.6	3.4	3.9	3.2	2.6	2.0	1.6	3.4	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1972	3.7	3.5	4.0	3.5	3.2	2.9	2.9	4.5	5.7	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1973	3.8	3.7	4.2	3.8	3.7	3.5	3.6	4.9	5.7	5.8	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1974	3.6	3.4	3.8	3.3	3.0	2.6	2.8	3.5	3.6	2.5	- 6	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1975	3.4	3.2	3.5	2.9	2.5	2.2	2.1	2.6	2.4	1.3	- 8	1.2	(x)	(x)	(x)	(x)	(x)	(x)
1976	3.5	3.3	3.6	3.1	2.8	2.6	2.6	3.0	3.0	2.3	1.2	2.1	5.4	(x)	(x)	(x)	(x)	(x)
1977	3.6	3.4	3.7	3.3	3.1	2.9	2.9	3.4	3.4	2.9	2.2	3.2	5.4	5.5	(x)	(x)	(x)	(x)
1978	3.6	3.5	3.8	3.4	3.3	3.1	3.2	3.6	3.6	3.3	2.8	3.7	5.3	5.3	5.0	(x)	(x)	(x)
1979	3.6	3.4	3.7	3.4	3.2	3.1	3.1	3.5	3.5	3.2	2.6	3.5	4.7	4.5	3.9	2.8	(x)	(x)
1980	3.4	3.3	3.5	3.1	2.9	2.6	2.6	3.1	3.1	2.8	2.3	2.8	3.7	3.2	2.6	1.2	4	(x)
1981	3.4	3.2	3.4	3.0	2.9	2.7	2.7	3.0	3.0	2.7	2.3	2.7	3.4	3.0	2.3	1.5	.8	1.9

NO. 696. ANNUAL GROWTH RATES OF GROSS DOMESTIC PRODUCT—INTERNATIONAL COMPARISONS, SELECTED PERIODS: 1950 TO 1980

[In percent. See footnote, table 695. See also *Historical Statistics, Colonial Times to 1970*, series F 10-16. Minus sign (-) indicates decline]

COUNTRY	1950-59	1960-69	1970-79	1980-89	1950-70	1970-80	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80
United States: Total	3.3	3.1	3.5	3.9	3.0	- .6	- .9	5.4	5.4	4.4	2.8	- 1	- 1
Per capita	2.0	1.3	2.3	2.6	2.0	- 1.5	- 1.9	4.4	4.4	3.3	1.7	- 1.2	- 1.2
Canada: Total	4.6	4.6	4.6	5.2	4.0	3.8	1.1	5.6	2.4	4.0	3.2	- 1	- 1
Per capita	2.7	1.9	3.1	3.4	2.8	2.0	- .4	4.4	1.3	3.1	2.3	- 1.1	- 1.1
France: Total	4.6	4.6	4.6	5.6	3.6	3.2	2	5.2	3.1	3.7	3.5	1.2	1.2
Per capita	3.7	3.6	3.6	4.5	3.1	2.6	- .3	4.6	2.7	3.3	3.1	.7	.7
Germany, F.R.: Total	5.1	8.0	3.7	4.7	2.8	.5	- 1.8	5.2	3.0	3.2	4.5	1.9	1.9
Per capita	4.3	6.4	3.2	3.8	2.7	.4	- 1.5	5.7	3.3	3.3	4.4	1.6	1.6
Italy: Total	4.8	5.5	4.4	5.7	3.1	4.1	3.8	5.9	1.9	2.7	4.9	4.0	4.0
Per capita	4.1	4.8	3.7	5.0	2.5	3.2	- 4.3	5.2	1.4	2.2	4.5	3.7	3.7
Japan: Total	7.6	8.0	7.7	10.6	4.9	- 1.0	2.3	5.3	5.3	5.0	5.5	4.4	4.4
Per capita	6.6	6.9	6.5	9.5	3.6	- 2.4	1.1	4.1	4.2	4.1	4.6	3.6	3.6
United Kingdom: Total	2.5	2.8	2.3	2.6	1.9	- 1.0	- .6	3.6	1.3	3.3	1.4	- 1.4	- 1.4
Per capita	2.1	2.4	2.0	2.3	1.6	- 1.0	- .5	3.6	1.3	3.4	1.3	- 1.5	- 1.5

¹Initial year 1951. ²Initial year 1962.

Source of tables 695 and 696: Bureau of Economic Analysis. Adapted from Long Term Economic Growth, 1950-1970.

No. 687. SELECTED INTERNATIONAL ECONOMIC INDICATORS: 1970 TO 1981

[Data cover gross national product (GNP) at market prices, except for France, Italy, and the United Kingdom, which relate to gross domestic product. Gross fixed capital formation covers private and government sectors except military. Savings data are calculated by deducting outlays—such as personal consumption expenditures, interest paid, and transfer payments to foreigners—from disposable personal income.]

YEAR	United States	France	Germany, Fed. Rep.	Italy	Netherlands	United Kingdom	Japan	Canada
GNP growth rates¹ (constant 1972 prices):								
1970	-2	5.7	5.9	5.3	6.4	2.2	11.8	2.5
1976	5.4	5.2	5.3	5.9	5.6	3.6	5.3	5.5
1977	5.5	3.0	2.8	1.9	2.4	1.3	5.3	2.1
1978	4.8	3.8	3.6	2.7	2.4	3.3	5.1	2.7
1979	3.2	3.3	4.4	4.9	1.8	1.4	5.6	3.0
1980	-2	1.1	1.8	4.0	7	-1.4	4.2	(2)
1981	2.0	2	-3	-2	(na)	-2.2	2.5	3.0
Ratio of gross fixed capital formation to GNP (current prices):								
1970	17.4	23.3	25.6	23.1	25.6	18.3	35.4	21.8
1976	17.0	23.2	20.8	20.1	18.2	18.9	31.3	23.5
1977	18.2	22.2	20.7	19.8	21.0	17.9	30.5	23.1
1978	18.0	21.4	21.2	18.7	21.3	18.0	30.8	22.7
1979	18.0	21.3	22.5	18.9	21.2	17.8	32.1	23.1
1980	17.8	21.6	23.4	20.0	21.0	17.8	32.0	23.6
1981	17.1	21.2	22.9	20.3	(na)	(na)	31.0	24.5
Ratio of savings to disposable personal income:								
1970	8.0	18.7	14.8	*21.8	14.0	8.0	18.2	5.3
1976	8.9	18.4	14.7	22.9	14.6	11.9	22.4	10.0
1977	5.6	18.8	13.8	22.5	12.0	10.8	21.0	8.7
1978	5.2	17.5	13.7	23.8	11.9	12.7	20.8	10.8
1979	5.2	15.9	14.4	25.3	11.8	14.1	18.6	10.3
1980	5.6	14.3	14.5	22.0	12.4	15.1	19.4	10.1
1981	5.3	14.8	15.2	(na)	(na)	13.7	(na)	11.6

NA: Not available. 2: Less than .05 percent. ¹Growth rates represent percentage change from preceding year. ²Estimated.

Source: U.S. Dept. of Commerce, International Trade Administration, *International Economic Indicators*, quarterly.

No. 688. PERSONAL CONSUMPTION EXPENDITURES, BY MAJOR TYPE OF PRODUCT IN CURRENT AND CONSTANT (1972) DOLLARS: 1960 TO 1981

[In billions of dollars. Represents market value of goods and services purchased by individuals and nonprofit institutions, and value of food, clothing, housing, and financial services received by them as income in kind. See *Historical Statistics, Colonial Times to 1970*, series G 416-489, for single years prior to revisions issued in 1981.]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Total, current dollars	324.8	430.4	621.7	978.4	1,084.3	1,264.4	1,346.5	1,397.2	1,467.2	1,643.2
Durable goods ¹	43.1	63.0	85.2	132.2	156.8	178.2	200.2	213.4	214.3	234.8
Motor vehicles and parts	19.7	30.0	36.2	55.8	72.6	84.8	95.7	98.6	89.7	98.6
Furniture and household equipment	17.7	24.7	35.2	53.5	59.1	65.7	72.8	81.8	85.3	93.4
Nondurable goods	151.1	188.8	266.7	407.3	441.7	478.6	528.2	600.0	670.4	734.5
Food, beverages, ² tobacco	88.0	107.0	149.7	228.5	247.0	265.4	293.9	330.8	364.3	386.4
Food excl. alcoholic beverages	70.5	85.8	119.6	185.2	200.4	217.4	240.9	272.2	300.0	329.1
Alcoholic beverages	10.8	13.1	19.2	28.4	30.1	32.5	34.9	38.3	43.7	48.2
Tobacco products	6.9	8.1	10.8	14.8	16.5	16.6	16.0	19.3	20.7	23.1
Clothing, accessories, jewelry	32.2	40.3	55.8	81.6	88.8	98.8	108.2	116.3	124.4	136.4
Clothing, accessories (except footwear)	22.2	28.1	38.0	58.8	63.8	69.5	77.6	82.7	87.3	95.4
Women's and children's	14.6	18.4	25.2	38.2	41.5	45.2	50.7	54.1	57.0	62.7
Men's and boys	7.7	9.7	13.8	20.6	22.1	24.3	26.9	28.7	30.3	32.7
Shoes and other footwear	4.5	5.3	7.6	10.7	11.6	13.1	14.7	16.3	17.3	18.1
Jewelry and watches	1.9	2.6	3.8	6.4	7.3	7.8	8.8	9.5	11.3	12.9
Cleaning, storage, and repair of shoes and clothes	3.2	3.6	4.2	4.3	4.5	4.7	5.2	5.6	6.1	6.4
Gasoline and oil	12.0	14.7	22.4	40.4	44.0	48.1	51.2	66.6	87.0	97.8
Services ¹	130.7	178.7	270.8	437.0	485.7	547.4	618.0	693.7	782.5	874.1
Housing	48.1	65.5	93.9	149.8	166.5	185.9	209.6	236.1	266.0	295.3
Household operation	20.1	26.3	37.7	63.3	71.6	81.1	90.1	99.3	111.7	128.9
Transportation	10.7	13.7	22.0	33.2	38.6	46.4	51.2	58.3	62.9	65.4
Total, constant (1972) dollars	452.8	567.5	672.1	776.4	823.1	884.3	903.2	927.6	939.5	947.6
Durable goods ¹	51.4	72.8	89.1	112.7	126.6	139.0	146.8	147.2	137.1	140.0
Motor vehicles and parts	24.4	34.8	36.2	47.5	57.3	63.5	66.9	62.6	53.8	54.2
Furniture and household equipment	19.7	27.8	36.1	45.8	48.9	52.9	56.5	60.4	60.1	61.8
Nondurable goods	208.2	244.0	283.7	307.5	321.9	333.4	344.4	353.1	366.8	362.4
Gasoline and oil	14.2	18.8	22.9	25.6	26.8	27.7	28.3	27.4	25.7	25.7
Services ¹	192.4	240.9	299.3	358.3	374.7	383.0	412.0	427.3	437.8	445.2
Housing	64.0	81.8	102.0	128.3	134.9	141.3	148.5	154.8	158.8	162.8
Household operation	27.8	33.9	42.3	49.9	52.0	55.1	57.8	60.1	61.5	63.5
Transportation	17.0	19.9	25.2	29.6	30.8	32.7	34.0	35.0	34.1	38.4

¹Includes items not shown separately.

²Includes alcoholic and nonalcoholic beverages.

Source: Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-78*, and *Survey of Current Business*, July 1982.

NO. 699. NATIONAL INCOME, BY TYPE OF INCOME: 1929 TO 1981

[In billions of dollars. Prior to 1960, excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series F 163-185, for single-year figures prior to revisions issued in 1981]

TYPE OF INCOME	1929	1929	1933	1935	1940	1945	1947	1960	1965	
National income.....	84.8	75.8	88.9	56.4	79.7	186.7	194.9	287.8	330.5	
Compensation of employees.....	51.1	46.8	29.5	37.3	52.1	123.1	129.2	154.8	224.9	
Proprietors' income ¹	15.0	11.9	5.9	10.7	13.0	31.8	35.9	38.7	42.9	
Rental income of persons ²	4.9	4.4	2.2	1.8	2.7	4.6	5.3	7.1	11.3	
Corporate profits ¹	9.0	5.8	-1.7	2.5	8.8	19.0	22.3	33.9	45.5	
Net interest.....	4.7	4.9	4.1	4.1	3.3	2.2	2.3	3.0	5.9	
	1960	1960	1970	1975	1979	1977	1979	1979	1980	1981
National income.....	415.7	572.4	810.7	1,239.4	1,379.2	1,550.5	1,760.3	1,966.7	2,117.1	2,352.5
Compensation of employees..	294.9	396.5	612.0	931.4	1,036.3	1,152.1	1,301.1	1,458.1	1,598.6	1,767.8
Wages and salaries.....	271.9	362.0	548.7	806.4	889.9	983.2	1,108.5	1,237.4	1,356.1	1,494.0
Private.....	222.8	292.1	431.6	630.3	701.2	780.6	886.8	1,001.4	1,095.9	1,210.9
Government and Govern- ment enterprises.....	49.2	69.9	117.1	176.1	188.7	202.4	219.7	236.0	260.1	283.1
Supplements to wages, salaries.....	23.0	34.5	63.2	125.0	146.4	166.9	194.6	220.7	242.5	273.6
Employer contributions for social insurance.....	11.8	16.7	30.7	60.5	70.5	79.5	92.1	105.8	115.3	133.2
Other labor income.....	11.2	17.8	32.5	64.5	75.9	89.4	102.5	114.9	127.2	140.4
Proprietors' income ¹	47.2	88.9	88.2	90.8	94.1	103.9	115.5	132.1	118.3	124.7
Farm.....	11.7	13.1	14.3	24.6	19.1	19.1	28.3	31.9	19.4	24.0
Nonfarm.....	35.5	43.8	51.9	65.4	75.0	84.8	92.2	100.2	98.9	100.7
Rental income of persons ²	14.5	18.0	19.7	23.0	23.5	24.8	26.6	27.9	32.9	33.9
Corporate profits ¹	47.8	80.0	71.4	110.5	186.1	167.3	182.4	194.8	181.8	190.6
Profits before tax.....	49.8	77.2	75.4	132.1	166.3	194.7	229.1	252.7	242.4	232.1
Profits tax liability.....	22.7	30.9	34.2	50.6	63.8	72.7	83.2	87.6	64.7	81.2
Profits after tax.....	27.1	46.3	41.3	81.5	102.5	122.0	145.9	165.1	157.8	150.9
Dividends.....	12.9	19.1	22.5	30.8	37.4	40.8	47.0	52.7	58.1	65.1
Undistributed profits.....	14.3	27.2	18.8	50.7	65.1	81.2	96.9	112.4	99.7	85.8
Inventory valuation adjust.....	-2	-1.2	-6.6	-11.6	-14.7	-16.2	-24.0	-43.1	-43.0	-24.6
Capital consumption adjust- ment.....	-2.0	4.0	2.5	-10.1	-13.5	-11.3	-12.7	-14.8	-17.8	-16.8
Net interest.....	11.4	21.0	41.4	84.5	97.2	102.5	121.7	153.8	197.7	235.7

¹With inventory valuation and capital consumption adjustments.

²With capital consumption adjustment.

NO. 700. NATIONAL INCOME, BY SECTOR: 1960 TO 1981

[In billions of dollars. See *Historical Statistics, Colonial Times to 1970*, series F 192-209, for single-year figures prior to revisions issued in 1981]

SECTOR	1960	1965	1970	1975	1976	1977	1979	1978	1980	1981
National income.....	415.7	572.4	810.7	1,239.4	1,379.2	1,550.5	1,760.3	1,966.7	2,117.1	2,352.5
Originating in business.....	351.1	479.8	655.3	981.8	1,108.5	1,256.2	1,433.6	1,601.1	1,712.8	1,867.2
Corporate business.....	235.2	336.5	476.5	736.4	833.8	953.1	1,089.3	1,210.9	1,298.5	1,444.8
Compensation of employees.....	190.8	259.7	400.8	617.4	694.4	783.0	894.9	1,015.2	1,107.3	1,224.5
Corporate profits ¹	44.6	75.5	84.9	97.5	123.8	152.1	172.7	164.2	151.3	167.8
Net interest.....	-3	1.2	10.8	21.5	15.5	18.0	21.7	31.5	39.9	52.5
Sole proprietors, partnerships.....	64.2	99.2	118.5	160.7	171.9	188.8	214.6	242.2	243.4	273.4
Compensation of employees.....	36.2	40.0	46.8	57.9	63.6	68.2	76.1	83.4	92.2	102.3
Proprietors' income ¹	46.8	56.5	65.8	89.0	92.9	102.6	117.1	130.4	114.5	122.7
Net interest.....	1.2	2.7	6.0	13.9	15.4	16.0	21.4	26.4	36.8	48.5
Other private business ²	26.1	36.4	47.2	73.3	79.7	89.7	102.8	118.3	137.5	152.8
Compensation of employees.....	1.5	2.2	3.1	4.5	5.0	5.5	6.1	6.9	7.7	8.5
Rental income of persons ²	14.5	18.0	19.7	23.0	23.5	24.8	26.6	27.9	32.9	33.9
Proprietors' income ¹.....	.4	.5	.5	1.1	1.2	1.3	1.5	1.6	1.8	2.0
Net interest.....	9.8	15.7	23.9	44.7	50.1	58.2	68.6	81.9	95.2	106.3
Government enterprises ⁴	5.6	7.8	13.0	21.4	23.1	24.6	26.9	29.6	33.3	36.3
Originating in—										
Government ⁴	47.1	67.6	115.9	179.6	104.5	210.3	229.3	247.4	272.8	299.7
Households and institutions ⁵	13.5	19.2	32.3	50.6	55.6	68.5	97.9	75.8	96.4	96.4
Rest of the world.....	3.6	5.8	7.3	17.3	20.5	23.5	29.6	42.6	46.1	49.2

¹See footnote 1, table 699. ²Consists of all business activities reported on the individual income tax return in Schedule E—Supplemental Income Schedule; tax-exempt cooperatives; and owner-occupied nonfarm dwellings and buildings and equipment owned and used by nonprofit institutions serving individuals, which are considered to be business activities selling their current services to their owners. ³See footnote 2, table 699. ⁴Compensation of employees. ⁵Compensation of employees in private households; social and athletic clubs; labor organizations; nonprofit schools and hospitals; religious, charitable, and welfare organizations; and all other nonprofit organizations serving individuals.

Source of tables 699 and 700: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*, and *Survey of Current Business*, July 1982.

**NO. 701. NATIONAL INCOME WITHOUT CAPITAL CONSUMPTION ADJUSTMENTS, BY INDUSTRIAL ORIGIN:
1960 TO 1981**

(In billions of dollars, except percent. Represents net value added to production by industry, measured at factor costs. See *Historical Statistics, Colonial Times to 1870*, series F 226-237, for single-year figures prior to revisions issued in 1981)

INDUSTRY	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
National income	490.8	571.1	614.6	1,267.4	1,412.8	1,586.0	1,802.0	2,015.5	2,174.2	2,410.6
Agriculture, forestry, fisheries	17.7	20.7	24.9	44.0	40.8	44.1	55.3	65.5	68.5	68.7
Farms	16.7	19.1	22.5	40.3	36.5	39.0	49.4	59.3	61.5	61.1
Mining	6.6	6.1	8.0	18.6	20.9	22.8	24.2	26.1	27.4	44.9
Construction	31.4	30.5	44.6	62.4	66.7	77.9	92.1	104.3	108.5	113.4
Manufacturing	195.1	171.3	216.1	217.7	266.8	413.2	464.7	509.9	525.8	580.8
Food and kindred products	12.2	14.5	19.3	30.7	31.2	33.5	35.4	38.1	41.4	48.8
Tobacco manufactures	1.1	1.1	1.7	2.3	2.6	2.9	3.4	3.6	4.4	5.1
Textile mill products	4.5	5.9	7.5	8.9	10.8	12.3	12.8	13.7	13.6	14.5
Apparel and other textile products	4.9	6.6	8.7	10.9	12.4	13.7	14.6	15.9	16.8	17.1
Paper and allied products	4.7	6.0	8.2	11.8	14.2	15.5	17.2	19.3	19.7	21.2
Printing and publishing	6.7	6.7	11.9	16.8	16.8	21.2	23.7	26.0	26.2	30.7
Chemicals and allied products	8.9	12.2	15.7	24.8	28.6	30.8	33.4	35.5	37.7	42.7
Petroleum and coal products	4.4	4.9	6.5	14.8	15.7	18.5	21.3	23.9	26.4	35.8
Rubber and misc. plastics products	2.9	4.2	6.0	8.7	9.9	12.3	13.9	15.1	15.2	18.0
Leather and leather products	1.6	1.9	2.2	2.4	2.6	2.9	3.2	3.3	3.6	4.1
Lumber and wood products	3.5	4.8	6.1	6.4	11.2	13.3	15.8	17.0	15.2	15.1
Furniture and fixtures	2.0	2.8	3.5	4.6	5.4	6.2	7.3	7.7	7.8	8.4
Stone, clay, and glass products	4.6	5.7	6.9	10.0	11.9	13.4	15.7	17.1	16.5	18.9
Primary metal products	10.6	13.9	15.2	24.3	26.3	29.5	34.4	36.4	36.4	43.9
Fabricated metal products	8.8	12.6	16.4	24.5	27.9	31.5	35.8	39.8	40.8	44.8
Machinery, except electrical	11.9	16.4	24.7	37.2	41.7	48.0	56.1	63.8	67.6	75.7
Electrical, electronic equipment ¹	10.6	14.7	19.6	26.7	30.7	36.9	41.5	45.0	46.4	53.8
Transportation equipment ¹	7.4	10.4	12.6	16.0	17.7	19.6	22.8	26.3	28.7	32.5
Motor vehicles and equipment	6.4	14.5	12.0	19.2	27.4	33.3	35.1	32.4	19.6	25.4
Instruments, related products	3.4	4.6	6.3	8.2	10.6	12.2	14.0	15.3	17.6	20.1
Miscellaneous industries	2.3	2.9	3.8	5.5	8.1	8.9	7.3	7.8	7.9	8.1
Transportation²	18.1	22.1	26.6	46.7	52.9	60.3	68.5	75.7	81.2	87.9
Railroad transportation	6.7	7.0	7.7	10.2	11.9	13.1	14.3	15.9	16.8	18.1
Local and interurban passenger	1.6	1.9	2.3	2.9	3.1	3.4	3.5	3.6	4.3	4.5
Trucking and warehousing	5.9	8.4	11.9	19.1	21.7	25.2	29.2	32.0	33.6	35.9
Water transportation	1.5	2.0	2.5	3.4	3.8	4.2	4.7	5.4	6.1	6.9
Air transportation	1.4	2.6	4.4	7.2	8.8	10.3	11.9	12.5	13.7	14.4
Communications	8.2	11.5	17.8	28.9	30.8	34.5	36.8	43.4	48.9	55.9
Telephone and telegraph	7.3	10.3	15.9	24.0	27.4	30.3	35.2	38.3	43.2	48.1
Electric, gas, sanitary services	8.9	11.4	14.7	34.9	27.4	31.3	35.8	38.8	41.0	46.6
Wholesale and retail trade	64.6	64.9	123.8	195.3	219.3	236.8	267.4	295.8	315.5	363.2
Wholesale trade	24.7	32.1	45.9	81.1	87.6	97.9	109.8	126.3	137.4	158.8
Retail trade	40.0	52.8	75.6	114.2	127.7	140.9	157.6	170.3	178.3	197.5
Finance, insurance, real estate²	50.0	68.2	95.2	148.2	162.7	182.7	228.4	291.8	296.5	294.2
Banking	7.9	8.9	16.5	21.8	21.8	25.9	32.1	39.6	44.4	46.6
Insurance carriers	4.6	5.9	9.8	12.6	15.9	22.4	26.3	27.0	29.1	28.7
Insurance agents, brokers, etc.	2.1	3.0	4.2	6.7	8.0	9.8	10.5	11.2	12.5	13.6
Real estate	33.7	45.4	61.2	98.1	110.0	126.2	149.5	172.7	186.3	221.2
Services¹	44.7	64.3	104.1	166.7	166.7	212.1	240.7	274.6	300.9	340.4
Hotels, other lodging places	2.0	2.5	4.5	7.0	8.0	8.9	10.9	12.6	14.2	16.3
Personal services	4.8	6.0	7.6	8.6	9.4	10.4	11.8	12.6	13.4	14.3
Business services	5.4	8.9	15.0	24.0	27.8	32.8	36.5	46.5	53.9	61.9
Health services	10.7	15.6	26.4	54.1	60.8	66.0	76.0	86.1	99.2	114.0
Legal services	2.7	4.2	6.7	11.5	12.7	14.4	16.1	16.4	21.3	23.4
Educational services	2.2	3.7	7.0	11.0	11.4	11.7	12.7	14.0	15.4	17.0
Social services	4.6	6.4	10.0	4.9	5.5	6.0	7.2	8.3	8.6	10.7
Membership organizations	4.6	6.4	10.0	10.8	11.3	12.1	13.2	14.1	15.6	16.7
Private households	3.8	4.0	4.5	4.6	5.4	5.9	6.2	6.5	6.6	7.0
Government and govt. enterprises	62.7	76.4	126.9	201.0	217.7	234.8	266.2	277.1	306.2	236.6
Federal	25.3	33.3	53.2	71.9	76.3	81.2	87.8	83.3	102.7	113.6
State and local	27.4	42.1	75.7	129.1	141.4	153.6	168.4	163.8	203.5	222.4
Rest of the world	3.8	6.9	7.3	17.3	20.8	23.5	29.6	42.6	46.1	48.2
National income, percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Agriculture, forestry, fisheries	4.2	3.6	3.1	3.5	2.9	2.8	3.1	3.3	2.7	2.9
Mining and construction	6.4	6.4	6.5	6.4	6.3	6.3	6.5	6.7	6.7	6.8
Manufacturing	29.7	30.0	26.4	25.1	25.9	26.1	25.8	25.2	24.2	24.1
Transportation	4.3	4.0	3.8	3.6	3.7	3.8	3.8	3.6	3.7	3.6
Communications and utilities	4.1	4.0	4.0	4.1	4.1	4.1	4.2	3.9	4.1	4.3
Wholesale and retail trade	15.4	14.9	15.2	15.4	15.3	15.1	14.8	14.7	14.5	14.7
Finance, insurance, real estate	11.9	11.6	11.7	11.5	11.5	12.2	12.7	13.0	13.6	13.4
Services	10.6	11.3	12.6	13.3	13.4	13.4	13.4	13.6	14.3	14.5
Government and govt. enterprises	12.5	13.2	15.8	15.9	15.4	14.8	14.2	13.7	14.1	13.9
Rest of the world	.9	1.0	.9	1.4	1.5	1.5	1.6	2.1	2.1	2.0

¹Excludes motor vehicles and equipment.

²Includes items not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1989-78*, and *Survey of Current Business*, July 1982.

No. 702. PERCENT DISTRIBUTION AND AVERAGE ANNUAL PERCENT CHANGE OF SHARES OF NATIONAL INCOME, BY TYPE: 1950 TO 1981

(See headnote, table 699)

TYPE OF INCOME	PERCENT DISTRIBUTION						ANNUAL PERCENT CHANGE				
	1950	1960	1970	1975	1980	1981	1950-1960	1960-1970	1970-1975	1975-1980	1980-1981
National income, total.....	100.0	100.0	100.0	100.0	100.0	100.0	8.8	8.8	8.8	11.3	11.1
Compensation of employees.....	65.2	71.0	75.5	75.2	75.5	75.1	6.7	7.6	6.8	11.4	10.6
Wages and salaries.....	61.9	65.4	67.7	65.1	64.1	63.5	5.2	7.3	6.0	11.0	10.2
Supplements to wages, salaries.....	3.3	5.5	7.8	10.1	11.5	11.6	11.4	10.6	14.6	14.2	12.8
Proprietors' income ¹	16.3	11.4	8.2	7.3	6.5	5.3	2.0	3.4	6.3	5.3	7.3
Farm.....	5.8	2.8	1.6	2.0	.9	1.0	-1.6	2.0	11.4	-4.7	23.5
Nonfarm.....	10.5	8.5	6.4	5.3	4.6	4.3	3.6	3.8	4.7	6.2	4.0
Rental income of persons ²	3.0	3.5	2.4	1.8	1.6	1.4	7.4	3.1	3.2	7.4	3.1
Corporate profits ³	14.3	11.5	8.8	8.9	8.6	8.1	3.8	4.1	8.1	8.5	5.0
Profits before tax.....	18.1	12.0	9.3	10.7	11.5	9.9	1.5	4.2	11.9	12.9	4.3
Profits after tax.....	10.5	6.5	5.1	6.6	7.5	6.4	.8	4.3	14.6	14.1	4.4
Inventory valuation adjust.....	-2.1	(-2)	-6	-9	2.0	-1.1	(X)	(X)	(X)	(X)	(X)
Capital consumption adjust.....	-1.7	-5	.9	-8	-8	-7	(X)	(X)	(X)	(X)	(X)
Net interest.....	1.3	2.6	5.1	6.6	6.9	10.0	14.3	13.8	15.3	17.3	25.6

X Not applicable. Z Less than .05. ¹See footnote 2, table 692. ²See footnote 1, table 692.Source: Compiled by U.S. Bureau of the Census; based on data from U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-78* and *Survey of Current Business*, July 1982.

No. 703. PERSONAL INCOME AND ITS DISPOSITION: 1960 TO 1981

(In billions of dollars, except percent. For definition of personal income, see text, pp. 415 and 416. See *Historical Statistics, Colonial Times to 1970*, series F 262-266, for single-year figures prior to minor revisions issued in 1976)

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Personal income.....	482	641	811	1,168	1,285	1,391	1,540	1,733	1,851	2,160	2,416
Wage and salary disbursements.....	272	362	549	766	806	890	983	1,106	1,236	1,358	1,494
Commodity-producing industry ¹	113	146	203	275	275	307	344	389	436	466	511
Manufacturing.....	90	116	158	211	211	237	266	299	334	354	386
Distributive industries ²	66	87	130	165	196	217	236	271	303	330	361
Service industries ³	41	59	96	146	160	177	198	227	260	297	339
Government and govt. enterprises.....	49	70	117	161	176	188	202	220	236	260	283
Other labor income.....	11	18	33	58	85	76	89	103	115	127	140
Proprietors' income ⁴	47	57	66	89	90	94	104	119	132	116	125
Rental income of persons ⁵	14	18	20	24	23	24	25	27	28	33	34
Dividends.....	13	19	22	28	30	37	40	45	51	56	63
Personal interest income.....	25	40	60	112	123	133	153	179	219	263	329
Transfer payments ⁶	29	40	60	141	178	194	208	224	250	297	336
Old-age, survivors, disability, and health insurance benefits.....	11	18	36	70	81	93	105	116	132	154	182
Other ⁷	18	22	42	71	97	101	103	106	116	143	154
Less: Personal contributions for social insurance.....	9	13	26	48	60	65	61	70	81	96	105
Less: Personal tax and nontax payments.....	60	65	116	170	166	197	226	269	301	336	367
Federal income tax.....	42	51	89	129	121	142	163	189	225	251	291
Equals: Disposable personal income.....	362	476	696	898	1,056	1,194	1,314	1,474	1,660	1,824	2,029
Less: Personal outlays ⁸	322	442	640	913	1,002	1,112	1,236	1,385	1,553	1,719	1,899
Personal consumption expenditures.....	325	430	622	868	976	1,064	1,204	1,348	1,507	1,667	1,843
Interest paid by consumers.....	7	11	17	24	24	27	31	37	45	50	55
Equals: Personal saving.....	30	34	66	66	84	82	79	86	87	108	136
Percent of disposable personal income.....	5.8	7.1	8.0	6.5	6.6	6.9	5.9	6.1	6.9	5.8	6.4
Real disposable personal income ⁹	480	616	782	858	875	907	943	989	1,016	1,015	1,043
Annual percent change ¹⁰	2.1	4.7	4.1	3.4	2.1	3.7	4.0	4.9	2.7	.2	2.5
PERCENT DISTRIBUTION											
Personal income.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Wage and salary disbursements.....	67.7	65.9	67.7	65.5	63.7	64.0	63.5	63.6	63.5	62.8	61.8
Other labor income.....	2.7	3.3	4.1	4.8	5.1	5.5	5.8	5.9	5.9	5.9	5.8
Proprietors' income ⁴	11.7	10.5	8.1	7.6	7.1	6.6	6.6	6.6	6.6	5.4	5.2
Rental income of persons ⁵	3.5	3.3	2.5	2.1	1.8	1.7	1.6	1.6	1.4	1.5	1.4
Dividends.....	3.2	3.6	2.7	2.5	2.4	2.7	2.6	2.6	2.6	2.6	2.6
Personal interest income.....	6.2	7.4	6.5	9.6	9.7	8.6	9.8	10.3	11.2	12.2	13.6
Transfer payments ⁶	7.2	7.4	9.9	12.1	14.1	13.9	13.5	12.9	12.8	13.8	13.9
Social insurance contributions.....	-2.2	-2.4	-3.5	-4.1	-4.0	4.0	-4.0	4.0	-4.2	-4.1	4.3

¹Comprises agriculture, forestry, fisheries, mining, construction, and manufacturing. ²Comprises transportation; communication; electric, gas, and sanitary services; and trade. ³Comprises finance, insurance, and real estate; services; and rest of the world. ⁴With capital consumption and inventory valuation adjustments. ⁵With capital consumption adjustment. ⁶Government benefits; for examples, see table 515. ⁷Includes personal transfer payments to foreigners. ⁸1972 prices. ⁹Represents average for period of intervals shown here; for 1980, change from 1960. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-78* and *Survey of Current Business*, July 1982.

No. 704. PERSONAL INCOME IN CURRENT AND CONSTANT (1972) DOLLARS—STATES: 1960 TO 1981

[1981 preliminary. Represents a measure of income received from all sources during the calendar year by the residents of each State. Data exclude Federal employees overseas and, for 1980, U.S. residents employed by private U.S. firms on temporary foreign assignment. Totals may differ from those in tables 682 and 703. See text, pp. 415 and 416. See *Historical Statistics, Colonial Times to 1970*, series F 297-348, for single-year figures prior to revisions issued in 1981.]

DIVISION AND STATE	CURRENT DOLLARS (bil. dol.)				CONSTANT (1972) DOLLARS								
	1960	1970	1980	1981	Total (bil. dol.)				Percent change		Percent of U.S.		
					1960	1970	1980	1981	1960- 1970	1970- 1980	1970	1980	1981
U.S.	386.1	803.8	2,180.8	2,411.8	680.9	888.1	1,207.7	1,245.0	57.8	38.0	100.0	100.0	100.0
NE	26.6	61.1	124.8	138.8	36.4	66.3	99.8	71.7	56.0	26.2	6.4	6.8	6.8
Maine	1.8	3.3	6.9	9.8	2.5	3.6	5.0	5.1	43.0	39.3	.4	.4	.4
N.H.	1.3	2.8	6.4	9.4	1.8	3.0	4.7	4.9	65.8	55.1	.3	.4	.4
Vt.	.7	1.6	4.0	4.5	1.0	1.7	2.2	2.3	68.9	31.4	.2	.2	.2
Mass.	12.6	24.8	58.2	64.4	17.5	26.8	32.5	33.3	53.5	21.3	3.1	2.7	2.7
R.I.	1.9	3.7	9.0	10.0	2.6	4.0	5.0	5.1	55.1	24.1	.5	.4	.4
Conn.	7.2	14.9	38.4	40.8	10.0	18.1	20.4	21.0	60.8	26.1	1.9	1.7	1.7
N.J.	87.4	188.2	373.4	414.2	121.5	178.7	208.7	213.6	47.9	18.1	28.7	17.3	17.2
N.Y.	45.5	85.8	180.5	201.4	63.3	92.7	100.9	104.0	46.5	8.8	10.7	8.4	8.3
N.J.	16.5	34.1	80.8	89.7	22.9	38.8	45.2	46.3	60.7	22.7	4.2	3.7	3.7
Pa.	25.4	46.4	112.1	123.1	35.3	50.2	62.7	63.6	42.2	25.0	5.6	5.2	5.1
E.M.C.	96.9	184.7	408.3	446.2	118.8	178.1	228.3	228.8	46.1	28.2	28.6	18.8	18.8
Ohio	22.6	42.4	102.4	111.8	31.4	45.8	57.2	57.7	45.7	25.0	5.3	4.7	4.6
Ind.	10.0	19.4	49.1	52.8	14.0	21.0	27.5	27.3	50.4	30.7	2.4	2.3	2.2
Ill.	26.4	50.2	120.0	131.6	36.7	54.3	67.1	67.9	48.0	23.5	6.2	5.6	5.5
Mich.	18.2	36.0	82.6	101.3	25.3	38.9	51.7	52.3	53.4	32.9	4.5	4.3	4.2
Wis.	8.6	16.7	44.4	47.7	12.0	18.1	24.8	24.6	50.4	37.4	2.1	2.1	2.0
W.M.C.	31.2	61.1	158.5	177.3	43.4	68.0	88.2	91.5	62.3	35.8	7.8	7.4	7.4
Minn.	7.1	14.9	36.9	44.0	9.8	18.1	22.3	22.7	63.3	38.9	1.8	1.8	1.8
Iowa	5.4	10.7	27.2	29.4	7.5	11.6	15.2	15.2	54.3	31.1	1.3	1.3	1.2
Mo.	9.0	17.4	43.7	48.8	12.6	18.8	24.4	25.2	49.2	30.1	2.2	2.0	2.0
N. Dak.	1.1	2.0	5.6	6.9	1.5	2.2	3.2	3.6	45.1	46.6	.2	.3	.3
S. Dak.	1.2	2.1	5.4	6.0	1.7	2.3	3.0	3.1	35.5	33.6	.3	.3	.2
Nebr.	2.8	5.6	14.3	16.2	4.0	6.0	8.0	8.4	52.3	32.6	.7	.7	.7
Kans.	4.8	8.5	23.4	25.9	6.3	9.2	13.1	13.4	45.0	42.3	1.1	1.1	1.1
S.A.	47.8	111.8	325.4	368.8	66.7	120.0	181.8	181.8	66.0	61.5	13.8	15.1	15.2
Del.	1.2	2.5	6.1	6.7	1.7	2.7	3.4	3.5	56.9	29.6	.3	.3	.3
Md.	7.2	17.0	44.3	48.2	10.0	18.4	24.8	25.4	63.2	34.5	2.1	2.0	2.0
D.C.	2.2	3.6	7.7	8.5	3.0	3.9	4.3	4.4	29.8	10.5	.4	.4	.4
Va.	7.5	17.3	50.4	58.7	10.4	18.7	28.2	29.3	79.0	50.7	2.2	2.3	2.4
W. Va.	2.9	5.3	15.3	16.3	4.1	5.7	8.5	8.4	40.1	48.5	.7	.7	.7
N.C.	7.2	16.4	48.1	51.7	10.0	17.8	25.8	26.7	78.9	45.2	2.0	2.1	2.1
S.C.	3.3	7.7	22.7	25.5	4.6	8.4	12.7	13.2	80.1	51.9	1.0	1.1	1.1
Ga.	6.5	15.3	44.0	48.9	9.0	18.5	24.6	25.8	82.9	48.8	1.9	2.0	2.1
Fla.	9.8	25.9	68.7	102.3	13.7	28.0	49.6	52.8	104.5	77.3	3.2	4.1	4.2
E.S.C.	18.0	37.9	108.1	121.1	25.0	41.0	61.0	62.6	63.8	48.9	4.7	5.1	5.0
Ky.	4.8	10.0	28.1	31.0	6.7	10.8	15.7	16.0	82.2	45.3	1.2	1.3	1.3
Tenn.	5.6	12.2	35.4	38.7	7.8	13.2	19.8	20.5	68.2	50.3	1.5	1.6	1.6
Ala.	4.9	10.0	29.0	32.1	6.9	10.6	18.2	16.6	57.4	49.7	1.2	1.3	1.3
Miss.	2.6	5.7	16.6	18.4	3.6	6.1	9.3	9.5	69.1	50.9	.7	.8	.8
W.S.C.	30.4	64.8	215.5	248.8	42.3	70.8	120.5	128.8	65.8	72.1	6.1	6.1	6.1
Ark.	2.4	5.4	16.5	18.5	3.4	5.8	9.2	9.5	71.2	59.0	.7	.8	.8
La.	5.4	11.1	35.8	40.9	7.5	12.0	19.8	21.1	60.5	66.0	1.4	1.6	1.7
Okla.	4.3	8.8	27.5	31.7	6.0	9.3	15.4	16.3	54.0	66.0	1.1	1.3	1.3
Tex.	18.2	39.7	135.9	158.6	25.4	43.0	76.0	81.8	68.4	75.9	4.9	6.3	6.6
M.	14.2	30.2	102.8	116.1	19.8	32.8	67.5	68.8	65.0	78.4	3.8	4.8	4.8
Mont.	1.3	2.4	6.8	7.7	1.9	2.6	3.8	4.0	37.9	47.8	.3	.3	.3
Idaho	1.2	2.4	7.7	8.5	1.7	2.6	4.3	4.4	52.1	68.2	.3	.4	.4
Wyo.	.7	1.2	5.1	5.8	1.0	1.9	2.9	3.0	30.7	115.7	.2	.2	.2
Colo.	4.0	8.6	29.1	33.0	5.5	9.3	16.2	17.1	69.1	73.8	1.1	1.3	1.4
N. Mex.	1.7	3.1	10.3	11.5	2.4	3.4	5.7	5.9	41.2	68.9	.4	.5	.5
Ariz.	2.6	6.6	24.0	27.1	3.7	7.2	13.4	14.0	95.4	67.5	.8	1.1	1.1
Utah	1.8	3.4	11.2	12.6	2.4	3.7	6.3	6.5	51.7	69.5	.4	.5	.5
Nev.	.8	2.3	6.8	9.8	1.1	2.5	4.8	5.1	121.4	82.1	.3	.4	.4
Pac.	55.7	116.9	341.8	382.4	77.4	136.4	191.8	197.4	63.2	51.1	14.6	15.8	15.9
Wash.	8.7	13.8	42.9	47.5	9.3	14.9	24.0	24.5	59.9	60.3	1.7	2.0	2.0
Oreg.	3.9	7.8	24.5	26.5	5.4	8.4	13.7	13.7	55.8	62.7	1.0	1.1	1.1
Calif.	43.0	90.3	250.3	291.7	68.8	97.6	145.0	150.8	63.1	48.5	11.2	12.0	12.1
Alaska	.6	1.4	5.1	5.8	.9	1.6	2.9	3.0	78.0	64.7	.2	.2	.2
Hawaii	1.4	3.6	9.8	10.9	2.0	3.9	5.6	5.8	94.0	41.5	.4	.5	.5

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, April 1982, and unpublished data. Some data computed by Bureau of the Census.

NO. 706. GROSS SAVING AND INVESTMENT: 1960 TO 1981

(In billions of dollars. See *Historical Statistics, Colonial Times to 1970*, series F 562-565, for single-year figures prior to revisions issued in 1981)

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Gross saving.....	81.1	120.2	148.9	227.5	218.9	257.9	308.1	374.8	422.7	408.2	477.5
Gross private saving.....	78.0	119.7	158.5	234.5	232.7	294.4	326.9	374.0	407.3	438.3	504.7
Personal saving.....	19.7	33.7	55.8	85.1	94.3	82.5	78.0	89.4	98.7	106.2	130.2
Undistributed corporate profits ¹	12.1	30.0	14.8	13.4	29.1	36.9	53.7	82.2	54.5	38.9	44.4
Undistributed profits.....	14.3	27.2	18.8	55.2	50.7	65.1	81.2	98.9	112.4	99.7	85.8
Inventory valuation adjustment.....	-2	-1.2	-0.6	-40.0	-11.6	-14.7	-16.2	-24.0	-43.1	-43.0	-24.8
Capital consumption adjustment.....	-2.0	4.0	2.5	-1.8	-10.1	13.5	11.3	12.7	14.8	17.8	18.8
Capital consumption allowances:											
Corporate ¹	27.3	33.4	54.1	83.4	90.5	109.9	121.5	137.6	157.5	181.2	206.2
Noncorporate ¹	19.0	22.6	34.0	52.6	65.2	73.7	64.9	58.5	98.5	112.0	123.9
Government surplus or deficit (-) ²	3.1	.5	-10.8	-4.7	-85.8	-38.5	-17.8	.9	14.3	33.3	38.3
Federal.....	3.0	.5	-12.4	11.5	69.3	53.1	45.9	29.5	16.1	81.4	80.0
State and local.....	1	(Z)	1.9	6.8	5.5	16.6	28.0	30.3	30.4	28.2	31.7
Capital grants received by U.S. (net).....	-	-	.9	-2.0	-	-	-	-	1.1	1.2	5.1
Gross investment.....	78.7	119.0	147.4	231.5	234.4	263.0	310.4	372.3	421.3	416.3	476.8
Gross private domestic investment.....	75.9	115.5	144.2	228.7	208.1	257.9	324.1	386.6	423.0	402.3	471.5
Net foreign investment.....	2.8	5.4	9.2	2.8	16.3	5.1	13.6	-14.3	-1.8	7.8	4.1
Statistical discrepancy.....	-2.4	1.2	1.5	3.7	5.6	5.1	1.4	-2.6	-1.5	2.8	-1.9

- Represents zero. Z Less than \$50 million. ¹With inventory valuation and capital consumption adjustment. ²With capital consumption adjustment. ³National income and product accounts basis.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-78*, and *Survey of Current Business*, July 1982.

NO. 707. FLOW OF FUNDS ACCOUNTS—COMPOSITION OF INDIVIDUALS' SAVING: 1960 TO 1981

(In billions of dollars. Combined statement for households, farm and nonfarm, noncorporate business, nonprofit organizations, and personal trusts. Minus sign (-) denotes decrease. See *Historical Statistics, Colonial Times to 1970*, series F 566-594, for similar but not exactly comparable data)

COMPOSITION OF SAVING	1960	1965	1970	1975	1977	1978	1979	1980	1981
Increase in financial assets ¹	32.1	59.9	81.5	171.7	234.9	276.5	298.0	306.9	327.7
Checkable deposits and currency.....	1.0	7.8	8.9	6.9	21.9	22.3	23.4	11.0	22.0
Time and savings deposits.....	12.0	27.8	43.8	83.4	107.5	100.1	79.2	131.2	89.9
Money market fund shares.....	-	-	-	1.3	.2	8.9	34.4	29.2	107.5
Securities.....	3.9	2.6	-2	25.5	17.0	40.1	55.2	17.5	4.2
U.S. savings bonds.....	-3	.6	.3	4.0	4.7	3.9	-8	-7.3	-4.9
Other U.S. Treasury securities.....	.5	.2	11.3	15.7	6.4	19.2	32.5	18.1	19.8
U.S. Government agency securities.....	-6	1.0	6.4	-1.0	5.7	7.8	20.1	9.7	15.4
State and local obligations.....	2.8	1.8	-8	6.2	-1.5	1.8	2.4	3.0	14.9
Corporate and foreign bonds.....	.7	.5	10.7	6.9	-3.8	2.9	10.3	3.8	-10.4
Open-market paper.....	1.7	.8	3.8	-4.4	9.8	18.9	7.5	-7.8	.9
Mutual fund shares.....	1.4	3.2	2.6	-3	.4	-5	-8	4.4	7.6
Other corporate equities.....	-2.0	-5.3	-4.3	-3.5	-4.8	-5.2	-16.2	-6.3	-39.0
Private life insurance reserves.....	3.2	4.7	5.4	8.5	11.3	11.7	12.3	11.4	9.7
Private insured pension reserves.....	1.3	2.1	2.8	8.1	14.8	18.3	18.2	20.0	28.3
Private noninsured pension reserves.....	4.0	5.4	8.9	11.8	17.4	15.9	14.0	22.3	22.5
Government insurance and pension reserves.....	3.2	4.7	8.9	15.1	22.5	27.9	24.4	35.3	37.4
Gross investment in tangible assets.....	88.7	113.7	144.7	222.3	230.7	308.4	386.7	361.8	412.7
Owner-occupied homes.....	21.2	22.5	25.7	45.8	80.7	87.1	106.6	93.8	96.2
Other fixed assets ²	16.2	25.8	33.2	42.1	58.6	67.7	75.9	79.5	81.8
Consumer durables.....	43.1	83.0	85.2	132.2	178.8	199.5	212.3	211.9	232.0
Inventories ³.....	.3	2.6	.5	2.4	2.5	2.3	3.9	-3.5	2.8
Capital consumption allowances.....	65.2	88.7	88.8	185.8	208.7	229.8	289.9	292.1	334.1
Owner-occupied homes.....	6.3	7.9	12.1	22.2	28.6	33.6	38.1	45.6	52.0
Other fixed assets ²	12.8	14.9	22.3	38.7	46.5	52.8	61.0	68.4	73.6
Consumer durables.....	38.1	43.6	65.2	105.7	128.6	143.1	189.8	178.1	187.5
Net investment in tangible assets.....	23.5	48.9	45.1	86.7	117.0	137.0	138.7	98.6	85.6
Owner-occupied homes.....	14.8	14.5	13.6	23.5	52.1	63.6	67.5	48.2	43.3
Other fixed assets ²	3.4	10.7	10.9	3.4	12.2	14.9	14.8	11.0	8.1
Consumer durables.....	7.0	20.2	20.0	26.5	50.2	58.3	52.4	33.8	34.4
Inventories ³.....	.3	2.8	.5	2.4	2.5	2.3	3.9	-3.5	2.8
Net increase in debt.....	39.8	60.2	34.4	68.5	188.2	203.2	210.8	142.1	138.5
Mortgage debt on nonfarm homes.....	11.7	17.0	14.1	38.0	83.0	107.6	114.6	83.4	85.3
Other mortgage debt ²	2.5	6.8	8.4	7.0	16.7	17.8	20.0	18.1	15.1
Consumer credit.....	4.4	10.8	5.4	9.6	40.2	47.6	46.3	2.3	25.3
Other debt ²	2.5	6.0	6.4	6.6	19.3	30.2	28.8	38.3	32.6
Individuals' saving.....	38.7	66.7	92.3	184.8	182.1	284.2	213.9	251.3	277.9
Less: Government insurance and pension reserves.....	3.2	4.7	8.9	15.1	22.5	27.9	24.4	35.3	37.4
Net investment in consumer durables.....	7.0	20.2	20.0	26.5	50.2	58.3	52.4	33.8	34.4
Capital gains dividends from mutual funds.....	.4	.9	.9	.2	.6	.7	.9	1.7	2.7
Net saving by farm corps.....	-1	(Z)	-1	1	-2	-2	.2	-5	-8
Equals: personal saving, flow of funds basis ³	38.2	68.8	82.5	122.1	189.0	118.6	138.4	189.6	284.8

- Represents zero. Z Less than \$50 million. ¹Includes items not shown separately. ²Includes corporate forms. ³Personal saving on national income account basis measures personal saving as income less taxes and consumption; flow-of-funds basis measures the same concept from acquisitions of assets less borrowing.

Source: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts*, quarterly.

No. 708. MONEY INCOME OF HOUSEHOLDS—PERCENT DISTRIBUTION BY MONEY INCOME LEVEL IN CONSTANT (1981) DOLLARS, BY RACE AND SPANISH ORIGIN OF HOUSEHOLDER: 1967 TO 1981

[Households as of March of following year. Based on Current Population Survey; see text, p. 2. Persons of Spanish origin may be of any race. For definitions of household and race, see p. 3. For definition of median, see Guide to Tabular Presentation]

RACE OF HOUSEHOLDER AND YEAR	Num- ber of house- holds (1,000)	PERCENT DISTRIBUTION, BY INCOME LEVEL								Median income (dol.)
		Under \$5,000	\$5,000- \$9,999	\$10,000- \$14,999	\$15,000- \$19,999	\$20,000- \$24,999	\$25,000- \$34,999	\$35,000- \$49,999	\$50,000 and over	
All households:										
1967	80,813	11.8	13.1	12.8	17.6	10.2	20.9	8.5	5.1	19,458
1970	84,778	10.6	12.8	12.5	16.4	9.8	21.9	9.6	6.5	20,457
1974	71,163	9.1	13.7	12.8	12.8	12.4	19.9	11.7	7.6	20,650
1975	72,867	9.3	15.0	13.4	12.5	12.0	19.9	11.2	8.7	19,940
1976	74,142	9.2	14.6	13.2	12.4	11.7	20.1	11.6	7.3	20,268
1977	76,030	9.2	14.5	13.0	12.4	11.6	19.4	12.0	7.8	20,369
1978	77,330	9.1	13.9	13.0	12.0	11.5	19.9	12.4	8.3	21,000
1979	79,108	10.2	13.2	13.4	11.8	10.8	18.6	13.5	8.6	20,716
1980	82,368	10.6	14.5	13.7	12.4	11.6	17.5	12.4	7.3	19,547
1981	83,527	10.5	14.9	14.4	12.3	11.4	17.2	12.1	7.2	19,074
White:										
1967	54,168	10.5	12.1	12.3	18.1	10.5	21.9	9.0	5.5	20,291
1970	57,575	9.6	11.9	12.0	16.5	9.9	22.9	10.1	6.9	21,307
1974	62,984	6.1	12.8	12.3	12.8	12.7	20.7	12.4	8.2	21,597
1975	64,392	8.1	14.1	13.1	12.4	12.3	20.7	11.9	7.2	20,852
1976	65,353	8.1	13.6	12.8	12.5	11.9	20.9	12.3	7.9	21,231
1977	66,934	8.1	13.6	12.6	12.4	11.9	20.3	12.8	8.4	21,420
1978	66,028	7.9	13.2	12.7	12.0	11.6	20.6	13.1	9.0	21,831
1979	69,454	9.0	12.3	13.1	11.9	11.1	19.3	14.2	9.2	21,716
1980	71,872	9.2	13.6	13.4	12.5	11.9	18.3	13.1	7.9	20,622
1981	72,845	9.0	14.1	14.2	12.4	11.8	18.0	12.6	7.8	20,153
Black:										
1967	5,728	20.8	23.1	16.0	15.3	7.5	11.0	3.2	1.2	11,781
1970	6,180	19.7	20.2	17.2	15.2	8.0	13.5	4.4	1.6	12,969
1974	7,263	18.2	21.5	17.0	13.3	10.0	12.9	5.3	1.7	12,844
1975	7,489	19.2	22.7	15.2	13.5	9.5	12.9	5.2	1.8	12,516
1976	7,776	18.2	22.9	15.8	12.2	10.0	13.2	5.6	2.2	12,625
1977	7,977	18.4	22.7	16.7	12.4	9.1	12.7	5.8	2.4	12,640
1978	8,066	19.2	20.7	15.5	12.0	10.1	13.5	6.4	2.5	13,120
1979	8,405	20.5	20.5	16.4	11.4	8.8	12.6	7.2	2.6	12,801
1980	8,847	22.1	22.0	15.6	11.8	9.4	10.6	6.4	2.1	11,881
1981	8,981	22.9	22.1	16.4	11.4	8.2	10.9	6.3	1.7	11,309
Spanish origin:										
1974	2,897	10.0	16.7	17.1	15.3	13.0	16.0	6.9	3.0	16,425
1975	2,948	12.2	19.8	18.2	14.7	11.7	15.1	5.9	2.5	14,960
1976	3,081	12.1	19.6	17.3	14.8	11.2	15.6	6.5	2.6	15,268
1977	3,304	10.6	16.7	17.0	16.0	12.1	15.2	7.3	3.1	15,979
1978	3,291	11.0	17.4	16.8	15.1	12.0	16.5	7.9	3.4	16,454
1979	3,730	12.0	16.2	16.7	13.9	11.5	15.8	9.4	4.6	16,819
1980	3,906	13.9	19.0	17.3	13.9	10.9	14.0	7.8	3.2	15,067
1981	3,960	12.5	19.3	17.3	14.2	11.5	13.5	8.5	3.1	15,300

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 137.

No. 709. MONEY INCOME OF HOUSEHOLDS—MEDIAN HOUSEHOLD INCOME IN CURRENT AND CONSTANT (1981) DOLLARS, BY RACE AND SPANISH ORIGIN OF HOUSEHOLDER: 1967 TO 1981

[In dollars, except percent]

YEAR	MEDIAN INCOME IN CURRENT DOLLARS				MEDIAN INCOME IN CONSTANT (1981) DOLLARS				ANNUAL PERCENT CHANGE OF MEDIAN INCOME OF ALL HOUSEHOLDS	
	All house- holds	White	Black	Spanish origin ¹	All house- holds	White	Black	Spanish origin ¹	Current dollars	Constant dollars
1967	7,143	7,449	4,325	(NA)	19,458	20,291	11,781	(NA)	(x)	(x)
1970	8,734	9,097	5,537	(NA)	20,457	21,307	12,959	(NA)	² 6.9	³ 1.7
1971	9,028	9,443	5,578	(NA)	20,274	21,206	12,526	(NA)	3.4	-.9
1972	9,897	10,173	5,938	7,677	21,081	22,116	12,909	16,690	7.4	4.0
1973	10,512	11,017	6,485	8,144	21,514	22,547	13,272	16,667	8.4	2.1
1974	11,197	11,710	6,984	8,906	20,650	21,597	12,844	16,425	6.5	-4.0
1975	11,800	12,340	7,408	8,865	19,940	20,852	12,516	14,960	5.4	-3.4
1976	12,686	13,289	7,902	9,569	20,268	21,231	12,625	15,268	7.5	1.6
1977	13,572	14,272	8,422	10,647	20,369	21,420	12,640	15,979	7.0	.5
1978	15,064	15,680	9,411	11,803	21,000	21,631	13,120	16,454	11.0	3.1
1979 ⁴	16,533	17,333	10,216	13,423	20,716	21,716	12,801	16,819	9.8	-1.4
1979 ⁴	16,461	17,259	10,133	13,042	20,625	21,625	12,697	16,341	(x)	(x)
1980	17,710	18,684	10,764	13,851	19,547	20,622	11,881	15,067	7.6	-5.2
1981	19,074	20,153	11,309	15,300	19,074	20,153	11,309	15,300	7.7	-2.4

NA Not available. X Not applicable. ¹Persons of Spanish origin may be of any race. ²Change from 1967.

³Based on 1970 census population controls; see text, pp. 1-4. ⁴Based on 1980 census population controls; see text, pp. 1-4.

Source: U.S. Bureau of the Census *Current Population Reports*, series P-60, No. 137.

**NO. 710. MONEY INCOME OF HOUSEHOLDS—PERCENT DISTRIBUTION BY MONEY INCOME LEVEL, BY
SELECTED CHARACTERISTICS: 1961**

[Households as of March 1962]

CHARACTERISTIC	Total house- holds (1,000)	PERCENT DISTRIBUTION OF HOUSEHOLDS BY INCOME LEVEL (IN DOLLARS)								Median income (dollars)
		Under 5,000	5,000- 9,999	10,000- 14,999	15,000- 19,999	20,000- 24,999	25,000- 34,999	35,000- 49,999	50,000 and over	
Total¹	53,527	10.5	14.9	14.4	12.3	11.4	17.2	12.1	7.2	19,074
White	72,845	9.0	14.1	14.2	12.4	11.8	18.0	12.8	7.8	20,153
Black	8,661	22.9	22.1	16.4	11.4	8.2	10.9	8.3	1.7	11,309
Spanish origin ²	3,980	12.5	19.3	17.9	14.2	11.5	13.5	8.5	3.1	15,300
Northeast	16,000	10.1	14.6	13.7	11.9	11.7	17.4	13.0	7.5	19,825
North Central	21,254	9.8	14.4	14.4	12.3	11.9	18.4	12.7	6.3	19,691
South	27,925	12.6	15.6	15.2	12.5	10.9	16.1	10.3	6.6	17,341
West	16,348	8.4	14.4	13.8	12.2	11.2	17.6	13.5	8.9	20,444
Nonfarm	51,708	10.4	14.9	14.4	12.3	11.4	17.3	12.2	7.2	19,155
Farm	1,819	16.3	15.0	17.0	12.0	12.6	14.1	7.9	5.1	15,696
Martial status										
Male householder	56,970	5.0	10.5	13.2	12.6	12.6	21.2	15.4	9.4	23,224
Married, wife present	47,527	3.0	8.7	12.3	12.4	13.2	22.7	17.2	10.6	25,189
Married, wife absent	1,420	15.1	19.5	19.3	10.2	10.7	14.6	7.1	6.3	14,582
Widowed	1,584	18.9	30.4	18.2	9.0	8.3	7.8	6.1	3.1	10,157
Divorced	3,172	10.5	13.7	14.4	14.2	13.9	18.4	9.9	5.5	18,806
Single (never married)	5,266	13.0	16.6	18.2	14.4	12.1	16.1	8.9	3.7	15,840
Female householder	24,557	23.7	26.5	17.5	11.5	7.9	7.8	4.2	1.9	10,220
Married, husband present	2,103	3.4	9.1	13.1	13.7	14.3	19.6	16.6	10.2	23,702
Married, husband absent	2,825	33.0	26.6	15.9	9.8	5.1	5.0	1.9	.8	7,612
Widowed	9,189	31.6	32.2	14.4	7.5	5.3	5.3	2.6	1.2	7,324
Divorced	5,655	16.6	21.8	22.4	15.6	10.3	8.7	3.5	1.1	12,380
Single (never married)	5,005	20.8	22.6	20.1	14.2	8.9	8.2	3.9	1.2	11,496
Age of householder										
15-24 years	6,110	14.7	20.5	21.9	16.1	11.3	11.0	3.6	.9	13,242
25-34 years	19,327	7.2	11.1	15.2	14.7	15.2	21.3	11.5	3.8	20,513
35-44 years	15,326	5.4	8.0	10.7	11.6	13.3	22.8	17.9	10.3	25,384
45-54 years	12,505	8.4	8.2	10.2	8.4	10.8	20.8	20.0	14.1	27,044
55-64 years	12,947	9.5	13.0	12.8	12.0	11.3	17.6	13.4	10.4	21,041
65 years and over	17,312	20.8	29.7	18.5	11.0	8.0	7.1	3.9	3.0	9,803
Size of household										
One person	19,354	26.6	26.9	17.4	11.1	7.3	7.1	2.4	1.3	9,192
Two persons	26,486	6.6	15.2	16.6	14.3	12.0	17.4	11.2	6.6	18,909
Three persons	14,617	6.1	9.2	12.9	12.2	13.0	21.3	16.3	9.0	23,601
Four persons	12,666	3.6	7.7	10.1	10.8	14.0	24.0	18.8	10.8	26,324
Five persons	8,103	4.4	8.5	10.5	11.1	12.4	22.3	16.7	12.1	26,131
Six persons	2,480	3.5	7.9	10.9	10.4	12.3	22.4	19.1	13.4	26,945
Seven persons or more	1,619	4.8	11.9	12.0	12.0	10.3	19.1	16.7	13.3	24,556
Education attainment of householder										
Elementary school	13,749	24.4	27.3	17.6	10.3	7.3	8.1	3.7	1.4	8,644
Less than 6 years	7,413	27.0	28.4	17.0	9.7	6.3	6.9	3.4	1.1	8,819
6 years	6,336	21.4	25.9	18.2	10.9	8.3	9.4	4.1	1.7	10,661
High school	40,586	10.4	15.8	16.1	13.7	12.6	17.3	10.5	3.9	17,703
1-3 years	11,457	17.3	21.3	17.4	12.8	10.0	12.1	6.9	2.1	13,155
4 years	29,129	7.7	13.4	15.6	14.0	13.4	19.3	12.0	4.6	19,748
College	29,192	4.1	8.2	10.6	11.3	11.8	21.6	18.2	14.5	26,641
1-3 years	13,066	5.6	11.4	13.5	12.9	12.6	21.0	15.3	7.5	22,385
4 years	16,106	2.8	5.5	8.3	9.9	11.0	21.9	20.5	20.1	30,557
Tenure										
Owner occupied	56,317	7.5	12.0	12.4	11.3	11.8	20.0	15.4	9.7	22,714
Renter	25,761	16.5	20.9	18.5	14.4	10.7	11.7	5.3	2.1	13,246
Occupier paid no cash rent	1,448	20.7	24.5	21.6	11.6	7.1	10.2	3.5	.6	10,996

¹ Includes other races not shown separately.

² Persons of Spanish origin may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 134.

NO. 711. MONEY INCOME OF HOUSEHOLDS—AGGREGATE AND MEAN INCOME, BY RACE AND SPANISH ORIGIN OF HOUSEHOLDER: 1980

[As of March 1981. Based on Current Population Survey; see text, pp. 2 and 417. For number of households by characteristic, see table 61. For definition of mean, see Guide to Tabular Presentation]

CHARACTERISTIC	ALL RACES ¹		WHITE		BLACK		SPANISH ORIGIN ²	
	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)
Total	1,734.9	21,083	1,574.9	21,913	123.6	13,870	65.1	16,874
Region and type of residence:								
Northeast.....	381.4	21,449	353.4	22,211	23.5	13,967	11.0	15,217
North Central.....	450.7	21,261	419.8	21,868	27.1	14,921	5.4	17,920
South.....	536.3	19,703	471.7	21,056	58.3	12,993	21.3	16,108
West.....	366.5	22,667	329.9	22,982	14.7	17,074	27.4	17,592
Nonfarm.....	1,701.5	21,130	1,542.5	22,000	122.9	13,965	64.7	16,687
Farm.....	33.4	18,123	32.4	18,416	.7	(B)	.4	(B)
In metropolitan areas.....	1,253.1	22,348	1,120.6	23,425	102.9	14,758	55.7	16,993
Outside metropolitan areas.....	481.8	18,322	454.3	18,903	20.7	11,040	9.4	15,003
Age of householder:								
15-24 years.....	91.7	14,227	81.8	14,847	8.1	10,215	5.2	11,505
25-34 years.....	396.7	20,713	353.2	21,543	33.4	14,744	19.5	16,468
35-44 years.....	376.8	26,052	337.8	27,199	28.8	17,463	16.0	18,965
45-54 years.....	357.6	28,189	325.4	29,604	24.5	17,206	13.3	21,036
55-64 years.....	298.6	23,504	277.4	24,559	16.8	13,683	7.7	17,379
65 years and over.....	213.6	12,626	199.3	13,060	12.0	8,060	3.5	9,815
Size of household:								
One person.....	207.9	10,961	187.3	11,403	17.3	7,806	4.7	8,774
Two persons.....	540.0	20,943	505.3	21,693	28.0	13,122	12.8	15,166
Three persons.....	355.3	24,387	323.9	25,465	24.6	15,631	12.8	16,351
Four persons.....	343.7	26,921	311.4	27,971	23.8	18,236	14.7	19,302
Five persons.....	172.0	28,126	152.9	29,572	14.1	18,346	9.2	19,753
Six persons.....	71.1	27,880	60.5	29,874	8.0	18,629	5.7	21,339
Seven persons or more.....	44.8	27,280	33.5	30,407	7.7	18,650	5.3	20,817
Employment status:								
In labor force ³	1,464.9	24,733	1,331.5	25,528	101.1	17,445	56.6	19,247
Civilian labor force.....	1,451.6	24,800	1,320.1	25,596	99.8	17,461	56.0	19,301
Employed.....	1,403.6	25,394	1,279.9	26,109	93.0	18,339	53.1	19,933
Unemployed.....	48.0	14,722	40.2	15,749	8.7	10,506	2.9	12,230
Not in labor force.....	270.0	11,669	243.4	12,345	22.5	7,372	8.5	8,834
Employed.....	1,403.6	25,394	1,279.9	26,109	93.0	18,339	53.1	19,933
White-collar workers.....	827.8	29,400	772.1	29,985	36.5	20,500	20.5	24,318
Blue-collar workers.....	458.2	22,835	41.9	23,229	39.6	19,558	25.3	18,839
Farm workers.....	26.6	16,649	25.2	16,993	.9	11,437	1.5	14,759
Service workers.....	91.0	16,687	71.7	17,490	16.0	13,504	5.6	15,331

B Base less than 75,000. ¹ Includes other races not shown separately. ² Persons of Spanish origin may be of any race. ³ Includes members of the Armed Forces.

NO. 712. HOUSEHOLD TYPE, BY INCOME LEVEL AND MEDIAN INCOME: 1980

[Households as of March 1981. See headnote, table 708. Hhldr. = householder]

ITEM	All house- holds	FAMILY HOUSEHOLDS				Total	NONFAMILY HOUSEHOLDS			
		Total	Married couple	Male hhidr., wife absent	Female hhidr., husband absent		Single-person household			Multiple person house- hold
							Total	Male hhidr.	Fe- male hhidr.	
Number, all races (1,000).....	82,366	60,309	49,294	1,933	9,082	22,059	18,936	7,253	11,683	3,123
Under \$5,000.....	9,683	3,610	1,601	107	1,901	6,072	5,955	1,519	4,436	118
\$5,000-\$9,999.....	13,008	7,545	4,894	327	2,324	5,463	5,056	1,640	3,417	407
\$10,000-\$14,999.....	12,243	8,486	6,457	305	1,724	3,758	3,243	1,314	1,929	515
\$15,000-\$19,999.....	10,964	8,432	6,930	293	1,208	2,531	2,037	1,018	1,020	494
\$20,000-\$24,999.....	10,017	8,316	7,200	297	819	1,700	1,253	743	510	448
\$25,000-\$34,999.....	13,586	12,048	11,042	313	693	1,540	916	653	262	624
\$35,000-\$49,999.....	8,465	7,807	7,297	192	317	658	294	224	69	364
\$50,000 and over.....	4,401	4,084	3,871	100	94	338	183	143	39	155
Median income (dol.):										
All races	17,710	21,162	23,180	18,775	10,830	9,456	8,162	11,527	6,690	20,264
White	18,664	22,024	23,535	19,772	12,327	9,871	8,567	12,274	6,927	21,106
Black.....	10,764	12,996	18,704	13,635	7,693	6,075	5,055	6,965	4,503	13,363
Spanish origin ¹	13,651	14,896	17,401	13,928	7,239	8,030	6,503	8,477	4,827	17,863

¹ Persons of Spanish origin may be of any race.

Source of tables 711 and 712: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 132.

NO. 713. MONEY INCOME OF FAMILIES—PERCENT DISTRIBUTION BY INCOME LEVEL IN CONSTANT (1981) DOLLARS, BY RACE AND SPANISH ORIGIN: 1960 TO 1981

(Parities as of March of following year. Beginning with 1979 based on householder concept and restricted to primary families. For definition of race, family, and householder see text, pp. 2 and 4. Based on Current Population Survey; see text, pp. 2 and 415 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series G 1-8, G 18-23, G 190-192, and G 197-199.)

RACE (OF HOUSEHOLDER AND) YEAR	Total families (1,000)	PERCENT DISTRIBUTION OF FAMILIES, BY INCOME LEVEL								Median income (dollars)
		Under \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$34,999	\$35,000-\$49,999	\$50,000 and over	
ALL FAMILIES										
1960	48,638	10.0	14.3	16.5	23.1	11.5		24.7		17,259
1965	48,609	7.2	12.8	14.0	20.7	11.5		34.1		20,054
1970	52,227	8.2	10.3	12.1	17.8	10.7	25.5	11.2	7.5	23,111
1975	56,245	4.6	11.4	12.7	12.9	13.2	25.7	11.5	8.0	23,183
1977	57,218	4.6	10.9	12.0	12.4	12.5	26.2	12.2	9.2	24,027
1979	57,804	4.7	10.2	11.9	12.0	12.3	26.8	12.6	9.6	24,591
1979	58,498	5.4	9.8	12.2	12.0	11.7	21.8	16.8	10.6	24,635
1980	60,309	5.8	11.1	12.7	12.7	12.7	20.7	15.4	9.1	23,204
1981	61,019	5.8	11.5	13.8	12.8	12.8	20.2	14.9	8.9	22,398
WHITE										
1960	41,120	5.2	13.2	16.2	24.0	12.0				17,919
1965	43,497	5.2	11.1	13.3	21.2	11.9		36.3		20,901
1970	46,828		8.3	11.5	17.7	10.8	25.6	11.8	8.0	23,975
1975	49,873	3.8	10.2	12.3	12.7	13.6	26.8	12.2	8.6	24,110
1977	50,830	3.8	8.5	11.5	12.4	12.8	27.4	12.9	9.9	25,124
1979	50,910	3.7	8.0	11.4	12.0	12.4	27.9	13.3	10.4	25,806
1979	51,388	4.2	8.4	11.7	12.0	12.0	22.7	17.5	11.5	25,999
1980	52,710	4.8	8.7	12.3	12.8	13.0	21.7	16.2	9.9	24,176
1981	53,269	4.6	10.3	13.1	12.6	13.0	21.1	15.7	9.7	23,517
BLACK										
1960	4,335	26.0	24.7	18.2	15.1	6.3		8.7		9,919
1965	4,788	17.2	25.2	20.7	16.0	7.4		13.4		11,510
1970	4,898	13.1	19.8	18.4	16.9	9.0	15.9	5.0	2.0	14,707
1975	5,088	12.0	22.3	16.2	14.8	10.8	17.5	4.9	1.7	14,835
1977	5,806	12.7	22.4	17.1	13.0	9.9	16.6	5.7	2.6	14,352
1979	5,906	13.4	19.7	16.5	12.2	11.3	18.2	6.1	2.6	15,185
1979	6,042	15.2	19.4	17.1	12.1	9.3	14.4	9.1	3.3	14,589
1980	6,317	15.1	22.0	16.1	12.5	10.5	12.8	8.2	2.7	13,989
1981	6,413	16.7	21.6	15.5	12.4	9.6	13.0	8.0	2.1	13,286
SPANISH ORIGIN ¹										
1975	2,488	6.1	18.9	18.4	15.1	12.7	12.7	16.9	5.9	16,140
1977	2,784	7.3	17.9	17.2	16.3	13.0	13.0	19.0	6.4	17,141
1979	2,741	8.0	16.8	16.9	15.4	12.4	12.4	20.0	7.2	17,518
1979	3,100	8.5	14.8	16.7	14.0	11.9	11.9	17.5	10.6	18,255
1980	3,235	10.4	16.6	17.5	14.7	11.7	11.7	15.3	8.4	16,242
1981	3,305	10.0	18.0	17.6	15.2	12.0	12.0	14.4	8.5	16,401

¹For 1980 and 1981, Black and other races.

²Persons of Spanish origin may be of any race.

NO. 714. MONEY INCOME OF FAMILIES—MEDIAN FAMILY INCOME IN CURRENT AND CONSTANT (1981) DOLLARS, BY RACE AND SPANISH ORIGIN OF HOUSEHOLDER: 1950 TO 1981

(See headline, table 713. For definition of median, see Guide to Tabular Presentation. Minus sign (-) denotes decrease.)

YEAR	MEDIAN INCOME IN CURRENT DOLLARS				MEDIAN INCOME IN CONSTANT (1981) DOLLARS				AVERAGE ANNUAL PERCENT CHANGE OF MEDIAN INCOME OF ALL FAMILIES	
	All families	White	Black	Spanish origin ¹	All families	White	Black	Spanish origin ¹	Current dollars	Constant dollars
1950	3,349	3,445	1,989	742	12,548	13,025	7,386	742	3.1	16
1955	4,616	4,813	2,549	742	15,209	15,885	9,639	742	5.9	3.8
1960	5,830	5,935	3,239	742	17,259	17,919	10,919	742	4.8	2.8
1965	8,851	9,251	3,883	742	20,054	20,901	11,510	742	4.4	3.0
1970	9,287	10,296	6,279	742	23,111	23,975	14,367	742	7.5	2.3
1975	10,295	12,672	8,449	742	25,806	26,806	14,835	742	4.2	1.1
1977	11,116	11,548	8,364	8,453	24,176	25,124	14,589	742	6.1	4.6
1979	12,231	12,286	7,289	8,715	24,635	25,177	14,607	742	8.4	2.1
1980	12,922	13,438	8,008	8,545	23,795	24,788	14,785	742	1.1	-3.5
1981	13,719	14,288	8,719	8,551	23,183	24,176	14,835	742	6.3	2.6
1982	14,829	15,537	9,242	10,209	23,986	24,983	14,786	742	8.2	3.2
1983	16,289	16,761	9,563	11,421	24,821	25,724	14,832	742	7.2	3
1984	17,941	18,288	10,819	12,886	24,591	25,826	14,486	742	12.1	2.3
1985	18,981	19,381	11,294	14,388	24,635	25,888	14,589	742	12.5	2
1986	20,439	20,439	11,578	14,788	24,541	25,888	14,589	742	12.1	20
1987	21,289	21,289	12,519	14,716	23,986	24,176	13,986	742	1.3	-5.4
1988	22,389	22,389	12,886	16,491	23,517	23,517	13,286	742	6.5	-3.6

¹For 1980 and 1981, Black and other races. ²Persons of Spanish origin may be of any race. ³Change from 1957. ⁴Population estimates based on the 1980 census. ⁵Population estimates based on the 1980 census. ⁶Population estimates based on the 1980 census. ⁷Population estimates based on the 1980 census. ⁸Population estimates based on the 1980 census. ⁹Population estimates based on the 1980 census. ¹⁰Population estimates based on the 1980 census. ¹¹Population estimates based on the 1980 census. ¹²Population estimates based on the 1980 census. ¹³Population estimates based on the 1980 census. ¹⁴Population estimates based on the 1980 census. ¹⁵Population estimates based on the 1980 census. ¹⁶Population estimates based on the 1980 census. ¹⁷Population estimates based on the 1980 census. ¹⁸Population estimates based on the 1980 census. ¹⁹Population estimates based on the 1980 census. ²⁰Population estimates based on the 1980 census. ²¹Population estimates based on the 1980 census. ²²Population 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**NO. 715. MONEY INCOME OF FAMILIES—PERCENT DISTRIBUTION BY INCOME LEVEL, BY RACE AND
SPANISH ORIGIN OF HOUSEHOLDER, AND SELECTED CHARACTERISTICS: 1960**

[Families as of March 1961. See headnote, table 713. For definitions, see text, p. 3, and for definition of median, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series G1-8 for U.S. data on total, White, and Black and other races.]

RACE OF HOUSEHOLDER, REGION, RESIDENCE, AND EDUCATIONAL ATTACHMENT	Num- ber of fam- ilies (1,000)	PERCENT DISTRIBUTION OF FAMILIES, BY INCOME LEVEL (\$1,000)—									Median income (dol.)
		Under 5.0	5.0- 9.9	10.0- 14.9	15.0- 19.9	20.0- 24.9	25.0- 29.9	30.0- 39.9	40.0- 49.9	50.0 and over	
All families ¹	99,309	6.2	12.7	14.2	14.0	13.7	11.2	14.5	6.8	6.7	21,033
WHITE											
Total	82,719	4.9	11.3	13.9	14.1	14.2	11.8	16.3	7.3	7.2	21,894
Northeast	11,518	4.5	10.6	12.3	14.2	14.8	12.3	15.7	6.1	7.6	22,002
North Central	14,178	4.2	10.9	13.2	14.4	15.0	11.8	16.7	7.1	6.6	22,314
South	17,054	6.0	12.3	15.5	14.4	13.8	11.7	13.6	6.3	6.5	20,691
West	9,962	4.5	11.1	13.9	13.1	13.4	11.1	15.8	6.2	6.9	22,615
In metropolitan areas	34,336	4.3	9.3	12.2	13.2	14.0	12.4	17.0	6.8	6.9	23,815
In central cities	11,826	5.9	11.8	14.3	14.4	13.5	11.3	14.7	6.9	7.2	21,268
Outside central cities	22,510	3.4	8.3	11.1	12.5	14.2	12.9	16.2	9.5	9.5	25,136
Outside metropolitan areas	16,374	6.1	14.7	17.0	15.9	14.5	10.7	12.2	4.8	4.2	16,794
Householder completed ²											
Elementary school:											
Less than 8 years	3,662	13.0	29.7	22.3	13.4	7.9	4.8	5.9	2.0	1.0	11,493
8 years	3,868	7.2	22.6	22.2	14.5	12.3	7.7	8.8	2.7	1.6	14,501
High school:											
1-3 years	8,404	7.2	15.9	19.0	17.2	13.5	10.5	10.7	3.9	2.2	17,163
4 years	17,846	3.7	9.0	13.4	15.2	16.9	13.8	16.6	6.5	4.6	22,370
College:											
1-3 years	7,486	2.7	6.2	10.5	13.6	15.6	13.5	20.3	9.9	7.7	25,470
4 years or more	10,090	1.2	3.0	5.2	6.7	11.5	13.3	21.0	14.5	21.0	32,655
BLACK											
Total	6,317	16.8	23.8	16.8	12.8	10.2	6.7	6.5	3.0	1.7	12,874
Northeast	1,161	13.1	23.6	20.5	11.9	10.4	7.4	8.2	2.7	2.2	13,186
North Central	1,279	18.0	20.7	12.1	13.6	9.1	9.2	10.2	2.9	2.7	14,044
South	3,293	18.6	25.4	17.5	12.5	10.3	5.0	7.2	2.9	.6	11,629
West	665	7.5	21.4	15.5	13.6	11.6	9.2	12.6	3.8	4.6	17,136
In metropolitan areas	4,666	15.6	22.3	15.6	13.1	10.7	7.4	9.5	3.5	2.1	13,726
In central cities	3,545	16.0	22.6	15.3	13.7	9.6	7.4	8.2	3.1	1.9	12,665
Outside central cities	1,353	9.3	21.1	17.1	11.6	13.3	7.6	12.9	4.5	2.6	16,242
Outside metropolitan areas	1,419	20.2	26.7	20.0	11.6	6.7	4.2	5.0	1.2	.3	10,257
Householder completed ²											
Elementary school:											
Less than 8 years	1,039	21.9	36.6	16.9	6.6	6.0	4.2	3.0	.9	.2	6,569
8 years	366	16.2	35.2	16.1	10.9	9.1	3.6	4.4	1.6	.5	6,363
High school:											
1-3 years	1,267	19.4	26.0	17.1	15.2	9.6	5.7	4.7	1.5	.8	11,331
4 years	1,635	12.0	19.5	16.9	14.4	12.6	6.3	11.4	3.6	1.1	15,504
College:											
1-3 years	621	7.9	16.2	16.4	13.1	11.2	9.0	15.3	4.9	4.1	16,114
4 years or more	408	3.9	6.1	11.7	11.0	15.9	12.2	19.1	6.3	6.6	24,830
SPANISH ORIGIN ³											
Total	3,236	11.6	29.8	16.7	14.9	11.3	6.3	6.0	3.1	2.5	14,717
Northeast	569	16.5	24.5	16.0	12.9	9.8	5.3	6.3	3.7	3.0	11,724
North Central	257	10.1	16.3	16.3	19.6	6.6	6.9	14.0	2.3	1.6	16,107
South	1,111	12.6	19.3	16.7	14.7	11.0	9.7	6.2	2.5	2.3	14,642
West	1,298	7.5	21.3	19.2	15.1	12.7	6.2	10.1	3.4	2.5	15,585
In metropolitan areas	2,663	11.6	20.5	16.2	14.5	11.0	6.5	9.6	3.3	2.7	14,904
In central cities	1,546	14.9	22.5	16.7	14.3	10.2	7.5	6.0	2.1	2.1	13,357
Outside central cities	1,147	7.3	16.3	17.3	14.7	12.3	9.7	11.9	4.9	3.6	16,875
Outside metropolitan areas	542	10.7	22.0	21.6	17.0	12.4	7.4	5.5	2.0	1.5	13,866
Householder completed ²											
Elementary school:											
Less than 8 years	925	14.6	30.6	20.6	14.1	6.4	5.2	4.3	1.1	.8	11,039
8 years	851	12.7	20.5	20.9	11.8	11.4	10.3	6.6	2.3	2.3	13,614
High school:											
1-3 years	439	12.7	21.1	20.0	15.7	8.9	9.9	8.9	1.8	1.6	13,905
4 years	704	7.0	16.1	17.0	14.6	14.0	12.6	12.1	4.6	1.9	16,205
College:											
1-3 years	322	4.0	12.8	12.8	17.1	16.5	9.3	16.6	5.3	6.3	20,767
4 years or more	248	3.2	5.2	11.6	13.7	14.1	10.4	19.3	10.0	12.4	25,965

¹ Includes other races not shown separately.
² Persons of Spanish origin may be of any race.

³ Restricted to families with householder 25 years old and over.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 132.

No. 716. MONEY INCOME OF FAMILIES—CHARACTERISTICS, BY INCOME LEVEL AND RACE: 1980

[See headnote, table 713. For definition of mean and median, see Guide to Tabular Presentation]

RACE AND CHARACTERISTIC	Total	FAMILY INCOME LEVEL OF—							
		Under \$5,000	\$5,000–\$9,999	\$10,000–\$14,999	\$15,000–\$19,999	\$20,000–\$24,999	\$25,000–\$34,999	\$35,000–\$49,999	\$50,000 and over
All families ¹ (1,000).....	80,309	3,736	7,646	8,537	8,414	8,263	11,961	7,723	4,027
Mean income (dol.).....	23,974	2,662	7,524	12,416	17,402	22,323	29,383	40,898	68,084
Per capita income (dol.).....	7,341	895	2,559	4,125	5,450	6,745	8,597	11,474	18,200
Average number of—									
Persons per family.....	3.27	2.97	2.94	3.01	3.19	3.31	3.42	3.56	3.74
Children per family ²	1.03	1.30	.99	.96	1.03	1.09	1.07	.95	.92
Earners per family ³	1.63	.63	.86	1.20	1.53	1.73	2.00	2.36	2.48
Ratio of nonearners to earners ⁴	1.00	3.69	2.43	1.52	1.08	.91	.71	.51	.51
Median school yrs. completed by householder ⁵	12.6	10.9	10.9	12.1	12.4	12.6	12.8	13.6	16.2
White (1,000).....	52,710	2,583	5,964	7,314	7,446	7,459	10,980	7,149	3,816
Mean income (dol.).....	24,939	2,563	7,582	12,440	17,405	22,326	29,391	40,913	68,243
Per capita income (dol.).....	7,787	896	2,710	4,282	5,572	6,866	8,768	11,671	18,470
Average number of—									
Persons per family.....	3.20	2.86	2.80	2.91	3.12	3.25	3.35	3.51	3.69
Children per family ².....	.97	1.14	.84	.87	1.00	1.06	1.03	.92	.90
Earners per family ³	1.65	.71	.82	1.17	1.52	1.71	1.97	2.34	2.48
Ratio of nonearners to earners ⁴.....	.94	3.04	2.41	1.49	1.06	.91	.70	.50	.49
Median school yrs. completed by householder ⁵	12.6	11.2	11.0	12.2	12.4	12.6	12.8	13.6	16.2
Black (1,000).....	6,317	1,060	1,501	1,060	808	645	745	400	109
Mean income (dol.).....	15,866	2,947	7,267	12,249	17,336	22,255	29,257	40,381	80,024
Per capita income (dol.).....	4,321	925	2,127	3,376	4,663	5,739	7,070	9,541	13,217
Average number of—									
Persons per family.....	3.66	3.18	3.43	3.63	3.72	3.88	4.14	4.23	4.54
Children per family ²	1.46	1.66	1.48	1.49	1.30	1.40	1.48	1.28	1.25
Earners per family ³	1.43	.44	.99	1.37	1.65	1.99	2.24	2.57	2.75
Ratio of nonearners to earners ⁴	1.56	6.21	2.48	1.65	1.26	.95	.85	.65	.65
Median school yrs. completed by householder ⁵	12.1	10.5	10.5	12.1	12.2	12.4	12.6	12.8	14.6

¹ Includes other races not shown separately. ² Related children. ³ Civilian family members only. ⁴ All persons without earnings in families, divided by total persons 15 years old and over with earnings in families. ⁵ Householder 25 years old and over.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 132.

No. 717. MEDIAN MONEY INCOME OF FAMILIES AND UNRELATED INDIVIDUALS, IN CURRENT AND CONSTANT (1980) DOLLARS: 1955 TO 1980

[See headnote, table 713. Unrelated individuals are persons not living with any relatives. See text, pp. 4 and 416. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series G 179-188]

ITEM	1955	1960	1965	1970	1975	1980 ¹
CURRENT DOLLARS						
Families:						
Married-couple families.....	4,599	5,873	7,330	10,516	14,867	23,141
Wife in paid labor force.....	5,622	6,900	8,633	12,276	17,237	26,879
Wife not in paid labor force.....	4,326	5,520	6,706	9,304	12,752	18,972
Male householder, no wife present.....	4,190	4,660	6,515	9,012	12,995	17,519
Female householder, no husband present.....	2,471	2,968	3,535	5,093	6,844	10,406
Unrelated individuals:						
Male.....	1,831	2,480	3,194	4,540	6,612	10,939
Female.....	1,054	1,377	2,267	2,483	3,978	6,666
CONSTANT (1980) DOLLARS						
Families:						
Married-couple families.....	14,153	18,341	19,143	22,316	22,762	23,141
Wife in paid labor force.....	17,301	19,199	22,546	26,051	26,390	26,879
Wife not in paid labor force.....	13,312	15,359	17,514	19,744	19,524	18,972
Male householder, no wife present.....	12,894	13,523	17,015	19,124	19,898	17,519
Female householder, no husband present.....	7,604	8,258	9,232	10,808	10,478	10,406
Unrelated individuals:						
Male.....	5,635	6,900	8,342	9,634	10,123	10,939
Female.....	3,243	3,831	5,921	5,269	6,090	6,666

¹ Based on household concept. Restricted to primary families, see source.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 132, and earlier issues.

No. 718. MONEY INCOME OF FAMILIES—AGGREGATE, MEAN, AND PER CAPITA INCOME, BY FAMILY CHARACTERISTICS: 1960

[Families as of March 1961. Based on Current Population Survey; see headnote, table 713]

CHARACTERISTIC	ALL RACES ¹				WHITE				BLACK			
	All fami- lies (1,000)	Aggre- gate income (bil. dol.)	Mean in- come ² (dol.)	Per capita in- come (dol.)	All fami- lies (1,000)	Aggre- gate income (bil. dol.)	Mean in- come ² (dol.)	Per capita in- come (dol.)	All fami- lies (1,000)	Aggre- gate income (bil. dol.)	Mean in- come ² (dol.)	Per capita in- come (dol.)
Total families	60,309	1,445.8	23,974	7,341	52,710	1,314.5	24,999	7,797	6,317	98.0	15,808	4,321
Age of householder:												
15 to 24 years.....	3,770	55.4	14,896	5,376	3,164	49.0	15,487	5,764	542	5.6	10,350	3,503
25 to 34 years.....	14,484	309.9	21,394	6,291	12,354	275.0	22,256	6,606	1,754	26.4	15,079	4,204
35 to 44 years.....	12,475	335.9	26,927	6,719	10,784	301.9	27,997	7,029	1,355	24.9	18,350	4,444
45 to 54 years.....	10,840	328.2	30,279	6,287	9,504	300.0	31,570	6,634	1,080	21.0	19,266	4,649
55 to 64 years.....	9,554	261.0	27,319	9,874	8,904	243.3	26,278	10,573	795	13.6	17,089	4,845
65 years and over	9,185	155.4	16,918	7,275	8,300	145.3	17,507	7,745	761	8.3	10,650	3,629
Marital status of house- holder:												
Male householder, total	49,406	1,263.2	25,973	7,634	44,916	1,185.0	26,383	8,062	3,428	70.1	20,437	5,440
Married—												
Wife present	47,473	1,243.0	26,183	7,634	43,332	1,150.7	26,555	8,076	3,137	65.4	20,842	5,422
Wife absent.....	309	8.4	20,686	7,492	233	5.1	21,684	8,084	65	.8	(B)	(B)
Separated.....	240	4.7	19,761	7,067	179	3.9	21,686	7,971	55	.7	(B)	(B)
Widowed	309	8.8	21,977	7,725	327	7.8	23,959	8,526	61	.8	(B)	(B)
Divorced	607	13.1	21,585	8,130	531	11.6	21,833	8,314	66	1.3	(B)	(B)
Single.....	619	12.0	19,391	7,714	492	9.8	19,913	8,169	100	1.8	16,069	6,518
Female householder, total.....	10,903	162.6	14,914	4,906	7,794	129.5	16,616	5,841	2,669	29.8	10,310	2,912
Married—												
Husband present.....	1,821	45.0	24,693	8,047	1,526	39.4	25,753	8,773	255	4.7	18,331	4,948
Husband absent.....	1,965	18.7	10,024	2,947	1,065	11.2	10,494	3,372	756	7.1	9,406	2,474
Separated.....	1,620	15.8	9,766	2,839	891	9.1	10,252	3,262	701	6.4	9,201	2,411
Widowed	2,463	40.2	16,303	5,485	1,872	33.4	17,840	6,463	547	8.1	11,090	3,012
Divorced	3,279	43.4	13,224	4,454	2,601	35.9	13,796	4,846	614	6.7	10,942	3,161
Single.....	1,475	15.4	10,458	3,701	728	9.7	13,325	5,396	716	5.2	7,296	2,300
Occupation of householder:												
White-collar workers.....	21,123	666.2	32,583	9,778	19,338	642.7	33,234	10,021	1,267	26.7	22,276	6,604
Blue-collar workers.....	17,030	406.6	23,875	8,739	15,126	365.9	24,186	6,937	1,606	33.9	21,065	5,260
Farm workers	1,443	24.8	17,197	4,830	1,345	23.5	17,473	4,993	69	.9	(B)	(B)
Service workers	3,839	73.2	19,053	5,647	2,859	57.5	20,100	6,154	856	12.9	15,110	4,166
Size of family:												
Two persons.....	23,766	492.2	20,710	10,297	21,492	461.5	21,474	10,685	1,964	24.7	12,551	6,190
Three persons.....	14,039	340.2	24,235	8,026	12,257	310.4	25,323	8,390	1,514	23.4	15,433	5,102
Four persons.....	12,436	332.6	26,762	6,701	10,852	301.9	27,619	6,964	1,270	22.9	16,033	4,521
Five persons.....	6,020	168.9	26,061	5,614	5,069	150.1	29,500	5,906	751	13.6	16,317	3,843
Six persons.....	2,471	65.7	27,866	4,642	1,966	58.6	29,809	4,972	416	7.7	18,392	3,063
Seven persons or more.....	1,575	42.9	27,251	3,511	1,054	32.0	30,366	3,969	402	7.5	16,712	2,335

B Base less than 75,000. ¹Includes other races not shown separately. ²For definition of mean, see Guide to Tabular Presentation.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 132.

No. 719. MONEY INCOME OF FAMILIES—INCOME AND PERCENT OF AGGREGATE INCOME AT SELECTED POSITIONS RECEIVED BY EACH FIFTH AND TOP 5 PERCENT OF FAMILIES: 1981

[Families as of March 1982. For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series G 31-138]

ITEM	All families	RACE			REGION			
		White	Black and other		Northeast	North central	South	West
			Total	Black				
Number (1,000).....	61,019	53,266	7,750	6,413	12,924	15,718	20,959	11,417
INCOME AT SELECTED POSITIONS (dollars)								
Upper limit of each fifth:								
Lowest.....	10,918	11,994	6,072	5,616	11,606	11,516	9,704	11,700
Second.....	18,552	19,762	11,296	10,314	19,920	19,400	16,620	19,722
Third.....	26,526	27,606	18,523	17,000	27,562	27,166	24,536	26,231
Fourth.....	37,457	38,524	26,736	26,606	36,702	37,506	35,100	40,300
Top 5 percent	58,554	60,050	45,606	41,755	59,050	55,820	57,892	62,400
PERCENT DISTRIBUTION OF AGGREGATE INCOME								
Lowest fifth.....	5.0	5.4	4.0	4.1	5.3	5.3	4.7	5.1
Second fifth.....	11.3	11.7	9.4	9.4	11.9	11.8	10.7	11.3
Third fifth.....	17.4	17.5	16.0	16.0	17.7	17.9	18.9	17.3
Fourth fifth.....	24.4	24.2	25.5	25.7	24.5	24.6	24.1	24.5
Highest fifth.....	41.9	41.2	45.1	44.8	40.5	40.4	43.7	41.7
Top 5 percent	15.4	15.1	16.0	15.3	14.3	14.6	16.6	14.9

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 134.

**NO. 720. MEDIAN FAMILY MONEY INCOME IN CONSTANT (1980) DOLLARS, BY NUMBER OF EARNERS
AND RACE OF HOUSEHOLDER: 1970 TO 1980**

[See headnote, table 713. For definition of median, see Guide to Tabular Presentation]

YEAR AND NUMBER OF EARNERS	ALL FAMILIES, MEDIAN FAMILY INCOME (dollars)			FAMILIES WITH HOUSEHOLDER, YEAR-ROUND FULL-TIME WORKER						BLACK-WHITE MEDIAN FAMILY INCOME RATIO	
	All races ¹	White	Black	Percent of all families			Median family income (dollars)			All fami- lies	Fami- lies with house- holder year- round full- time worker
				All races ¹	White	Black	All races ¹	White	Black		
All families, 1970	20,938	21,722	13,325	84.1	65.5	51.4	25,048	25,488	16,844	.61	.74
No earners	8,980	7,404	4,743	1	1	-	(8)	(8)	(8)	.64	.60
1 earner	17,724	18,490	10,279	65.2	67.0	46.7	20,690	21,136	13,864	.58	.66
2 earners	23,746	24,286	17,889	72.6	73.4	68.2	26,023	26,541	20,748	.74	.76
3 earners	30,839	31,396	21,221	78.1	79.4	64.3	32,808	33,589	25,124	.86	.76
4 earners or more	35,414	36,736	23,581	80.9	83.0	64.6	37,538	38,336	27,178	.64	.71
All families, 1975¹	21,065	21,824	13,355	69.3	60.9	45.2	26,274	26,770	20,578	.61	.77
No earners	8,010	6,843	5,375	-	-	-	(8)	(8)	(8)	.62	(3)
1 earner	17,711	18,675	10,849	69.4	61.3	42.3	21,673	22,247	14,943	.58	.67
2 earners	24,586	25,047	18,772	71.3	72.1	64.1	26,956	27,316	22,815	.79	.84
3 earners	31,433	32,159	24,202	76.5	77.8	64.9	33,586	33,999	27,727	.75	.82
4 earners or more	36,415	37,055	27,783	80.2	81.8	67.7	38,352	38,632	29,082	.75	.76
All families, 1980²	21,071	21,846	13,662	68.8	60.3	44.0	26,380	26,858	20,088	.66	.75
No earners	8,562	9,584	4,844	1	.1	-	(8)	(8)	(8)	.48	.60
1 earner	18,714	17,809	10,271	58.3	57.9	44.8	20,589	21,324	13,015	.57	.61
2 earners	24,657	25,108	20,390	73.0	74.1	63.1	28,683	27,154	23,043	.81	.86
3 earners	31,893	32,822	23,635	78.7	77.8	66.4	33,923	34,468	25,889	.79	.76
4 earners or more	36,599	40,416	30,965	79.7	81.3	63.8	41,220	41,808	34,962	.77	.64

- Represents zero or rounds to zero. 8 Base less than 75,000. X Not applicable. ¹Includes other races not shown separately. ²Civilian members 14 years old and over. ³Civilian members 15 years old and over.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, No. 132, and earlier issues.

**NO. 721. MONEY INCOME LEVEL OF FAMILIES—PERCENT DISTRIBUTION, BY INCOME LEVEL, AND
MEDIAN INCOME IN CONSTANT (1980) DOLLARS, BY REGIONS: 1960 TO 1980**

[Families as of March of following year. For composition of regions, see fig. 1, inside front cover. Beginning 1975, data not strictly comparable with earlier years due to revised procedures. See also headnote, table 713. For definition of median, see Guide to Tabular Presentation]

REGION AND INCOME LEVEL	1960	1965	1970	1975	1980	REGION AND INCOME LEVEL	1960	1965	1970	1975	1980
Northeast						South—Con.					
Under \$5,000	6.4	5.3	4.2	3.9	5.3	\$10,000–\$14,999	20.9	16.3	16.4	15.8	15.8
\$5,000–\$9,999	13.2	11.4	8.8	11.8	11.8	\$15,000–\$19,999	18.5	19.9	19.3	15.2	14.1
\$10,000–\$14,999	21.6	15.5	12.2	12.3	13.0	\$20,000–\$24,999	7.9	9.6	10.6	13.5	13.1
\$15,000–\$19,999	24.7	23.4	19.9	15.1	14.0	\$25,000–\$34,999			18.4	19.7	18.1
\$20,000–\$24,999	11.8	12.4	11.7	13.8	14.2	\$35,000–\$49,999	11.8	18.9	7.5	8.0	10.9
\$25,000–\$34,999			24.9	24.6	20.7	\$50,000 and over			4.4	4.8	5.6
\$35,000–\$49,999			10.8	10.5	13.8	West					
\$50,000 and over			6.7	6.6	7.2	Under \$5,000	6.7	5.2	5.0	5.0	4.8
North Central						\$5,000–\$9,999	11.8	12.2	11.3	12.6	11.8
Under \$5,000	10.3	6.3	4.8	4.5	5.5	\$10,000–\$14,999	18.1	14.8	12.7	13.3	13.9
\$5,000–\$9,999	15.8	12.6	10.9	11.1	11.7	\$15,000–\$19,999	24.1	21.6	19.6	13.5	13.0
\$10,000–\$14,999	19.4	15.7	12.6	12.8	13.2	\$20,000–\$24,999	12.2	11.9	11.4	14.3	13.3
\$15,000–\$19,999	25.0	23.4	20.1	15.0	14.4	\$25,000–\$34,999			24.0	24.7	20.3
\$20,000–\$24,999	11.2	12.2	11.8	14.9	14.5	\$35,000–\$49,999			10.0	10.3	14.2
\$25,000–\$34,999			25.0	25.6	21.1	\$50,000 and over			6.1	6.4	6.7
\$35,000–\$49,999			9.7	10.2	13.5	MEDIAN INCOME (DOL.)					
\$50,000 and over			5.4	5.9	6.3	Northeast	16,852	19,801	22,698	22,171	21,856
South						North Central	16,101	19,071	21,915	22,263	15,522
Under \$5,000	19.5	14.8	9.2	7.9	6.1	South	12,199	14,649	18,148	18,734	19,142
\$5,000–\$9,999	21.5	16.8	14.1	15.3	14.5	West	18,212	20,116	21,800	21,918	22,281

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, No. 132.

NO. 722. MONEY INCOME OF FAMILIES—MEDIAN INCOME, 1959 TO 1979, AND PERCENT DISTRIBUTION BY MONEY INCOME LEVEL, 1979, BY STATE

Families as of April of following year. For definition of median, see Guide to Tabular Presentation. For 1979, provisional data based on the Early National Sample from the 1980 Census; see text, p. 2 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series G 205-256.]

STATE	MEDIAN FAMILY INCOME				Number of families (1,000)	1979				
	1959	1969	1979			Percent distribution by income level				
			Income	Rank		Under \$10,000	\$10,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more
U.S.	95,990	99,596	\$19,999	(x)	99,976	20.5	44.1	19.2	10.8	5.6
Alabama	7,837	7,263	16,602	44	1,041	27.4	45.7	16.4	7.2	3.5
Alaska	7,305	12,441	28,266	1	88	13.9	29.9	17.8	19.9	18.6
Arizona	5,588	9,185	19,150	29	701	20.8	48.5	15.2	8.9	4.9
Arkansas	3,184	5,271	14,356	50	630	32.3	49.0	12.3	4.1	2.3
California	6,726	10,729	21,479	12	5,958	18.9	39.9	19.8	13.4	7.9
Colorado	5,780	9,562	21,486	11	735	16.9	43.0	20.7	12.7	6.7
Connecticut	6,887	11,808	23,038	3	816	14.3	41.1	22.6	14.0	8.0
Delaware	6,197	10,209	20,658	17	155	19.0	43.6	19.5	11.3	6.6
Dist. of Columbia	5,993	9,576	18,539	(x)	135	26.5	36.5	14.6	12.2	10.1
Florida	4,722	8,261	17,558	37	2,695	23.3	48.8	18.2	6.5	5.2
Georgia	4,208	8,165	17,403	39	1,436	25.8	45.1	16.4	7.9	5.1
Hawaii	6,365	11,552	23,086	2	225	16.7	37.5	20.1	16.1	9.5
Idaho	5,259	8,380	17,276	42	248	22.6	50.2	16.1	7.7	3.4
Illinois	6,586	10,957	22,007	7	2,936	16.4	41.5	22.2	13.0	6.7
Indiana	5,796	9,966	20,540	18	1,467	16.1	45.9	21.7	10.2	4.2
Iowa	5,069	9,016	20,243	22	774	17.5	48.0	20.0	9.4	5.0
Kansas	5,295	8,660	19,575	26	633	19.1	48.2	19.1	8.8	4.8
Kentucky	4,051	7,439	16,399	46	987	26.9	44.7	16.3	6.7	3.2
Louisiana	4,272	7,527	17,622	35	1,080	26.8	42.5	17.4	9.1	4.3
Maine	4,873	9,205	16,206	48	296	24.9	53.2	14.4	6.1	2.6
Maryland	6,309	11,057	22,850	4	1,095	15.8	39.8	21.8	14.7	8.0
Massachusetts	6,272	10,833	21,329	13	1,435	17.3	43.7	21.1	12.0	5.9
Michigan	6,256	11,029	21,886	8	2,391	18.2	40.1	21.5	13.6	6.8
Minnesota	5,573	9,928	21,217	14	1,036	17.3	44.0	22.2	10.8	5.8
Mississippi	2,884	6,065	14,922	49	648	33.5	43.9	13.4	5.6	3.2
Missouri	5,127	8,908	18,748	32	1,310	22.1	46.3	18.0	9.3	4.2
Montana	5,403	8,509	18,839	31	209	21.2	48.6	18.4	8.2	3.6
Nebraska	4,862	8,562	19,110	30	413	19.5	49.1	18.0	8.6	4.8
Nevada	6,736	10,697	21,666	9	206	15.2	44.5	21.7	12.5	6.2
New Hampshire	5,636	9,682	19,796	25	239	16.3	51.2	19.3	9.0	4.2
New Jersey	6,766	11,403	22,630	5	1,939	16.3	39.3	21.5	14.4	6.4
New Mexico	5,371	7,345	17,151	42	335	25.9	46.1	15.9	8.2	3.6
New York	6,371	10,609	20,385	20	4,410	20.9	41.9	19.3	11.3	6.6
North Carolina	3,956	7,770	17,042	43	1,579	24.7	50.2	15.2	6.9	3.0
North Dakota	4,530	7,836	18,239	33	169	22.3	47.9	17.6	7.8	4.4
Ohio	6,171	10,309	20,710	16	2,658	17.8	45.2	20.9	11.4	4.7
Oklahoma	4,620	7,720	17,846	34	824	23.7	46.3	17.0	8.3	4.5
Oregon	5,862	9,487	19,837	24	701	20.3	45.7	19.6	9.9	4.5
Pennsylvania	5,719	9,554	20,259	21	3,136	17.9	46.6	20.6	10.1	4.6
Rhode Island	5,589	8,733	19,441	27	245	19.2	49.2	16.4	9.3	4.0
South Carolina	3,821	7,620	17,340	40	609	24.7	48.3	16.3	7.0	3.6
South Dakota	4,251	7,490	18,431	45	179	26.2	49.9	14.9	5.9	3.0
Tennessee	3,949	7,446	16,245	47	1,247	27.4	47.8	14.8	6.5	3.9
Texas	4,884	8,486	19,372	28	3,697	22.3	43.2	18.5	10.1	5.9
Utah	5,899	9,320	20,036	23	352	17.0	48.5	19.8	9.9	4.8
Vermont	4,890	8,928	17,549	36	126	22.0	51.8	15.9	7.0	3.4
Virginia	4,964	9,044	20,423	19	1,391	18.6	44.5	19.0	11.4	6.6
Washington	6,225	10,404	21,635	10	1,084	17.1	42.5	22.5	12.0	5.9
West Virginia	4,572	7,414	17,621	38	530	24.7	48.5	16.4	6.9	3.4
Wisconsin	5,826	10,065	21,113	15	1,211	16.9	45.6	21.8	10.7	5.0
Wyoming	5,877	8,944	22,497	6	122	13.7	43.6	28.9	12.7	6.1

X Not applicable.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1, and *1980 Census of Population and Housing, Supplementary Report*, series PHC 80-51-1.

NO. 723. MEDIAN MONEY INCOME OF YEAR-ROUND FULL-TIME WORKERS WITH INCOME, BY SEX AND AGE: 1970 TO 1980

[Age as of March of following year. Refers to civilian workers. For definition of median, see Guide to Tabular Presentation]

AGE	WOMEN			MEN			RATIO: WOMEN TO MEN		
	1970	1975	1980	1970	1975	1980	1970	1975	1980
Total with income.....	\$5,440	\$7,719	\$11,891	\$6,184	\$13,144	\$19,173	.89	.89	.89
14-19 years.....	3,783	4,568	6,779	3,950	5,857	7,753	.96	.81	.87
20-24 years.....	4,928	6,508	8,407	6,655	8,521	12,109	.74	.77	.76
25-34 years.....	5,923	8,401	12,180	9,128	12,777	17,724	.85	.86	.89
35-44 years.....	5,531	6,084	12,230	10,258	14,730	21,777	.54	.55	.58
45-54 years.....	5,588	7,980	12,118	9,931	14,808	22,323	.56	.54	.54
55-64 years.....	5,488	7,785	11,931	9,071	13,516	21,083	.60	.58	.57
65 years and over.....	4,684	7,273	12,385	6,754	11,485	17,282	.72	.63	.72

¹For the year 1980, restricted to 15 years old and over

²For the year 1980, restricted to 15 to 19 years.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 132, and earlier issues.

NO. 724. MONEY INCOME OF PERSONS—PERCENT DISTRIBUTION BY INCOME LEVEL, MEDIAN AND MEAN INCOME, BY SEX, 1950 TO 1980, AND BY RACE AND AGE, 1970 AND 1980

[For 1950-1975, persons 14 years old and over; thereafter, 15 years old and over. As of March of following year. Based on Current Population Survey; see headnote, table 713. For definitions of median and mean, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series G 257-268, for percent distribution by income level, and median income]

SEX, YEAR, AGE AND RACE	All per- sons (mil.)	PERSONS WITH INCOME									Medi- an in- come (dol.)	Mean in- come (dol.)
		Total (mil.)	Percent distribution by income (in dollars) level--									
			1 to 1,999 or less ¹	2,000- 3,999	4,000- 5,999	6,000- 7,999	8,000- 9,999	10,000- 14,999	15,000- 24,999	25,000 and over		
MALE												
1950.....	52.6	47.8	37.1	42.8	14.2	2.9	1.1		2.0		2,570	2,961
1960.....	60.4	56.2	27.8	21.4	24.7	14.7	5.5	4.1	1.4	6	4,080	4,817
1970.....	70.6	65.0	18.6	13.7	12.9	14.7	13.2	17.7	6.8	2.3	6,670	7,537
1975.....	77.6	71.2	12.9	12.0	10.8	10.0	9.6	21.7	17.5	5.4	8,853	10,429
1979.....	80.2	76.5	9.5	9.2	8.4	8.3	7.0	17.8	25.7	14.1	11,845	14,369
1980.....	82.9	78.7	9.1	8.0	8.2	7.8	6.8	17.1	25.5	17.5	12,530	15,340
14-19 yr.....	10.1	7.1	55.5	20.3	11.6		8.8	3.0	.8	1	1,801	2,728
20-24 yr.....	10.3	9.8	11.7	12.8	12.1		24.2	22.4	14.9	1.8	7,923	8,984
25-34 yr.....	18.6	18.3	3.5	3.8	4.6		13.0	22.1	37.6	15.1	15,580	16,320
35-44 yr.....	12.8	12.7	3.3	3.1	3.2		8.0	15.6	35.2	31.6	20,037	21,485
45-54 yr.....	10.8	10.7	2.9	3.7	3.9		9.0	15.0	31.6	34.0	19,974	21,965
55-64 yr.....	10.1	10.0	3.3	5.2	7.1		13.5	18.0	27.7	25.2	15,914	19,090
65 and over.....	10.1	10.0	2.8	16.1	20.4		27.9	18.1	10.4	6.4	7,342	10,208
White: 1970.....	63.0	58.4	17.7	13.0	12.3	14.7	13.6	18.6	7.5	2.5	7,011	7,840
1980.....	72.4	69.4	8.4	7.3	7.8	7.8	6.7	17.0	26.5	18.8	15,988	15,987
Black: 1970.....	5.8	5.8	28.8	19.9	16.8	15.0	8.5	6.8	1.2	2	4,117	4,863
1980.....	5.4	7.4	14.7	14.9	11.2		17.3	16.4	17.8	5.8	8,049	9,843
FEMALE												
1950.....	56.9	24.7	75.4	22.8	1.5	.2	1		1		953	1,296
1960.....	65.3	36.5	62.8	25.0	9.8	1.8	3		.2		1,261	1,861
1970.....	77.6	51.8	46.7	22.1	15.7	8.6	3.6	2.5	.4	.2	2,237	3,138
1975.....	85.0	60.8	31.9	24.0	15.4	11.2	7.3	7.9	2.2	.3	3,395	4,513
1979.....	88.0	78.2	28.0	19.5	12.7	11.3	7.8	12.7	6.7	1.2	4,354	5,032
1980.....	91.1	80.8	24.8	18.6	13.3	10.3	7.9	14.2	9.0	1.9	4,920	6,772
14-19 yr.....	10.0	6.8	59.8	22.6	9.7		8.1	1.5	.2	1	1,873	2,190
20-24 yr.....	10.7	9.6	22.6	17.7	14.8		26.0	14.7	3.9	.3	5,286	5,918
25-34 yr.....	19.2	17.4	23.7	10.9	10.4		18.8	21.3	13.1	1.8	6,973	7,913
35-44 yr.....	13.4	12.0	24.7	11.9	11.1		18.1	17.3	13.7	3.1	6,465	8,117
45-54 yr.....	11.7	10.4	24.3	13.2	10.2		19.7	16.7	12.8	3.3	6,403	8,012
55-64 yr.....	11.8	10.4	25.1	18.7	12.2		17.8	19.4	10.0	2.7	4,928	7,199
65 and over.....	14.8	14.3	11.1	36.8	22.1		17.8	7.7	4.2	1.2	4,226	5,798
White: 1970.....	68.8	45.3	48.5	21.6	15.9	8.9	3.9	2.5	.5	.2	2,266	3,185
1980.....	78.8	70.6	23.4	17.7	13.2	10.2	8.0	14.3	9.1	2.0	4,947	6,817
Black: 1970.....	8.0	5.8	48.9	28.7	13.7	6.3	2.6	1.8	.1	-	2,063	2,743
1980.....	10.3	8.6	19.7	26.1	13.8		17.9	13.6	7.9	1.1	4,580	6,327

- Represents zero or rounds to zero.

¹Includes persons with income deficit.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 132.

**NO. 725. EXPECTED LIFETIME EARNINGS IN CONSTANT (1981) DOLLARS FOR ALL MALES AND MALE
YEAR-ROUND FULL-TIME WORKERS, BY AGE AND YEARS OF SCHOOL COMPLETED: 1979**

(In thousands of dollars. Data represent estimates of expected lifetime earnings from specified age to age 64. Estimates for workers at a particular age were calculated by summing, the product of the mean earnings at each age from a specified age to age 64, the probability of surviving to each age from the starting age, and the probability of being employed at each age. Discount rates (difference between interest rates and the rate of inflation) are used to deflate future earnings into present value (constant 1981 dollars). Productivity rates represent growth in real earnings adjusting for inflation. For additional information on methodology, see source.)

AGE AND YEARS OF SCHOOL COMPLETED	DISCOUNT RATE OF 0 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF—				DISCOUNT RATE OF 3 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF—				DISCOUNT RATE OF 5 PERCENT WITH ANNUAL PRODUCTIVITY INCREASE OF—			
	0 per- cent	1 per- cent	2 per- cent	3 per- cent	0 per- cent	1 per- cent	2 per- cent	3 per- cent	0 per- cent	1 per- cent	2 per- cent	3 per- cent
ALL MALES												
Age 18:												
Less than 12 yrs	801	772	1,001	1,311	300	369	480	580	200	240	281	358
High school, 4 yrs	861	1,104	1,430	1,872	432	531	680	830	289	346	419	512
College, 1-3 yrs	957	1,242	1,627	2,161	481	574	724	821	299	363	448	553
College, 4 yrs	1,180	1,580	2,082	2,748	553	698	890	1,145	349	430	534	671
College, 5 yrs or more	1,301	1,712	2,273	3,042	596	756	988	1,281	373	462	576	726
Age 25:												
Less than 12 yrs	583	585	840	1,038	326	384	458	545	237	273	318	372
High school, 4 yrs	803	978	1,198	1,478	488	548	650	777	339	381	454	531
College, 1-3 yrs	918	1,124	1,386	1,726	522	618	736	869	375	435	508	598
College, 4 yrs	1,166	1,434	1,780	2,228	650	774	930	1,127	461	538	632	748
College, 5 yrs or more	1,273	1,574	1,982	2,486	689	837	1,011	1,231	490	574	679	810
Age 35:												
Less than 12 yrs	441	505	581	672	298	335	378	429	235	261	292	327
High school, 4 yrs	624	715	823	952	422	474	535	607	333	370	413	462
College, 1-3 yrs	736	848	977	1,134	493	566	629	716	388	432	482	542
College, 4 yrs	956	1,102	1,277	1,486	635	717	815	930	496	553	620	699
College, 5 yrs or more	1,085	1,229	1,427	1,684	704	796	906	1,036	548	613	688	776
Age 45:												
Less than 12 yrs	283	308	336	368	219	238	255	277	166	190	215	231
High school, 4 yrs	401	438	478	523	308	334	361	392	261	281	303	327
College, 1-3 yrs	483	528	579	635	369	400	434	472	312	336	363	392
College, 4 yrs	639	699	767	843	485	527	573	624	409	441	477	517
College, 5 yrs or more	715	784	862	949	541	588	641	699	454	491	531	576
Age 55:												
Less than 12 yrs	121	126	132	138	105	109	114	119	96	99	103	108
High school, 4 yrs	178	186	194	203	154	161	168	175	141	146	152	158
College, 1-3 yrs	230	240	251	262	200	208	217	226	182	189	197	205
College, 4 yrs	298	312	327	342	257	268	280	293	233	243	253	264
College, 5 yrs or more	352	368	386	404	303	316	330	345	274	288	298	311
MALES, YEAR-ROUND FULL-TIME WORKERS												
Age 18:												
Less than 12 yrs	845	1,091	1,427	1,888	419	518	644	814	281	336	406	497
High school, 4 yrs	1,041	1,343	1,753	2,315	519	638	795	1,003	349	417	503	615
College, 1-3 yrs	1,155	1,501	1,973	2,622	561	696	874	1,112	371	446	543	670
College, 4 yrs	1,392	1,830	2,433	3,266	648	815	1,039	1,338	414	507	626	784
College, 5 yrs or more	1,503	1,978	2,629	3,529	696	878	1,120	1,445	442	542	673	844
Age 25:												
Less than 12 yrs	776	954	1,184	1,483	438	519	621	751	315	365	426	503
High school, 4 yrs	964	1,170	1,451	1,815	541	640	764	922	390	451	526	620
College, 1-3 yrs	1,075	1,326	1,650	2,073	600	714	857	1,039	428	498	584	691
College, 4 yrs	1,329	1,660	2,089	2,616	725	880	1,051	1,284	510	598	705	840
College, 5 yrs or more	1,444	1,792	2,244	2,834	789	945	1,143	1,396	555	649	767	915
Age 35:												
Less than 12 yrs	614	712	829	971	403	457	521	597	313	350	394	445
High school, 4 yrs	750	888	1,011	1,163	483	559	636	729	384	429	482	544
College, 1-3 yrs	864	1,002	1,169	1,371	565	641	732	840	438	491	552	625
College, 4 yrs	1,087	1,277	1,495	1,759	709	808	925	1,068	545	613	692	788
College, 5 yrs or more	1,196	1,390	1,624	1,908	777	884	1,011	1,183	600	673	759	861
Age 45:												
Less than 12 yrs	410	462	499	552	307	335	368	401	258	278	301	328
High school, 4 yrs	501	582	609	673	375	409	447	489	313	336	368	401
College, 1-3 yrs	588	646	713	788	439	478	523	573	366	396	430	468
College, 4 yrs	762	841	929	1,030	567	619	676	744	471	511	556	608
College, 5 yrs or more	820	904	999	1,106	612	667	730	801	509	552	600	653
Age 55:												
Less than 12 yrs	203	213	224	235	173	181	190	199	156	163	171	178
High school, 4 yrs	249	261	274	288	212	222	233	244	191	200	209	218
College, 1-3 yrs	287	311	327	343	263	285	278	291	226	239	249	261
College, 4 yrs	366	407	428	450	330	346	363	380	297	311	325	340
College, 5 yrs or more	422	443	465	488	380	377	395	414	324	339	354	371

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 139.

NO. 726. PER CAPITA MONEY INCOME, BY STATE: 1959 TO 1979

[Persons as of April of following year. For 1979, provisional data based on the Early National Sample from the 1980 census; see text, p. 2, and Appendix III.]

STATE	1959	1969	1979		STATE	1959	1969	1979	
			In- come	Rank				In- come	Rank
U.S.	\$1,888	\$3,119	\$7,913	(X)	Mississippi	967	1,925	5,327	50
Alabama	1,246	2,317	5,975	45	Missouri	1,751	2,952	6,882	31
Alaska	2,259	3,725	10,171	1	Montana	1,679	2,696	6,696	33
Arizona	1,784	2,937	7,030	28	Nebraska	1,629	2,797	7,034	27
Arkansas	1,125	2,142	5,467	49	Nevada	2,356	3,554	8,581	2
California	2,308	3,614	8,298	4	New Hampshire	1,794	2,985	6,931	30
Colorado	1,889	3,106	8,136	6	New Jersey	2,260	3,674	8,113	7
Connecticut	2,352	3,886	8,456	3	New Mexico	1,599	2,437	6,137	44
Delaware	2,086	3,265	7,392	19	New York	2,239	3,806	7,469	16
District of Columbia	2,404	3,842	9,016	(X)	North Carolina	1,252	2,474	6,177	43
Florida	1,728	3,058	7,593	13	North Dakota	1,357	2,489	6,470	35
Georgia	1,359	2,840	6,682	34	Ohio	1,957	3,199	7,262	22
Hawaii	1,863	3,373	7,780	10	Oklahoma	1,613	2,684	6,933	29
Idaho	1,606	2,644	6,224	40	Oregon	1,949	3,148	7,431	17
Illinois	2,182	3,495	7,789	11	Pennsylvania	1,855	3,086	7,172	25
Indiana	1,832	3,070	7,066	26	Rhode Island	1,818	3,121	6,800	32
Iowa	1,648	2,684	7,224	23	South Carolina	1,142	2,303	6,191	41
Kansas	1,775	2,929	7,199	24	South Dakota	1,327	2,387	5,902	47
Kentucky	1,322	2,425	5,935	46	Tennessee	1,318	2,484	6,180	42
Louisiana	1,389	2,330	6,321	37	Texas	1,626	2,792	7,266	21
Maine	1,514	2,548	5,846	48	Utah	1,696	2,697	6,399	36
Maryland	2,003	3,512	8,154	5	Vermont	1,516	2,772	7,341	38
Massachusetts	2,050	3,406	7,411	18	Virginia	1,598	2,986	7,341	14
Michigan	1,940	3,367	7,708	12	Washington	2,033	3,357	7,922	9
Minnesota	1,734	3,036	7,529	15	West Virginia	1,378	2,333	6,243	39
					Wisconsin	1,844	3,032	7,272	20
					Wyoming	1,868	2,895	7,982	8

X Not applicable.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1, and *1980 Census of Population and Housing, Supplementary Report*, series PHC 80-S1-1.

NO. 727. PERSONS BELOW POVERTY LEVEL AND BELOW 125 PERCENT OF POVERTY LEVEL: 1959 TO 1981

[For explanation of poverty level, see text, p. 417.]

YEAR	PERSONS BELOW POVERTY LEVEL								PERSONS BELOW 125 PERCENT OF POVERTY LEVEL		AVERAGE INCOME CUTOFFS FOR NON- FARM FAMILY OF 4 ^a	
	Number (mil.)				Percent of total population							
	Total ^b	White	Black	Spanish origin ^c	Total	White	Black	Spanish origin ^c	Num- ber (mil.)	Per- cent of total popu- lation	At po- erty level	At 125 per- cent of po- erty level
1959	39.5	28.5	9.9	(NA)	22.4	16.1	65.1	(NA)	64.9	31.1	\$2,973	\$3,716
1960	39.9	28.3	(NA)	(NA)	22.2	17.8	(NA)	(NA)	64.8	30.4	3,022	3,778
1965	33.2	22.5	(NA)	(NA)	17.3	13.3	(NA)	(NA)	46.2	24.1	3,223	4,029
1966	29.5	20.8	8.9	(NA)	14.7	12.2	41.8	(NA)	41.3	21.3	3,317	4,146
1968	26.4	17.4	7.6	(NA)	12.8	10.0	34.7	(NA)	35.9	18.2	3,553	4,441
1969	24.1	16.7	7.1	(NA)	12.1	9.5	32.2	(NA)	34.7	17.4	3,743	4,679
1970	25.4	17.5	7.5	(NA)	12.6	9.9	33.5	(NA)	35.6	17.6	3,968	4,980
1971	25.6	17.9	7.4	(NA)	12.5	9.9	32.5	(NA)	36.5	17.8	4,137	5,171
1972	24.5	16.2	7.7	2.4	11.9	9.0	33.3	22.6	34.7	16.8	4,275	5,344
1973	23.0	15.1	7.4	2.4	11.1	8.4	31.4	21.9	32.9	15.8	4,540	5,675
1974	23.4	15.7	7.2	2.6	11.2	8.6	30.3	23.0	33.7	16.1	5,038	6,298
1975	25.9	17.8	7.5	3.0	12.3	9.7	31.3	26.9	37.2	17.6	5,500	6,876
1976	25.0	16.7	7.6	2.8	11.8	9.1	31.1	24.7	35.5	16.7	5,815	7,269
1977	24.7	16.4	7.7	2.7	11.6	8.9	31.3	22.4	35.7	16.7	6,191	7,739
1978	24.5	16.3	7.6	2.6	11.4	8.7	30.8	21.6	34.2	16.8	6,662	8,326
1979 ^d	25.3	16.8	7.8	2.9	11.6	8.9	30.9	21.6	35.8	16.3	7,412	9,265
1979 ^e	26.1	17.2	8.1	2.9	11.7	9.0	31.0	21.8	36.6	16.4	7,412	9,265
1980	29.3	19.7	8.8	3.5	13.0	10.2	32.6	25.7	40.7	18.1	8,414	10,518
1981 ^f	31.8	21.6	9.2	3.7	14.0	11.1	34.2	26.5	43.7	19.3	9,267	11,609

NA Not available. ^bIncludes other races not shown separately. ^cPersons of Spanish origin may be of any race.

^dBeginning 1981, income cutoffs for nonfarm families are applied to all families, both farm and nonfarm. ^ePopulation controls based on 1970 census; see text, pp. 2 and 416. ^fPopulation controls based on 1980 census; see text, pp. 2 and 416.

^gData based on revised poverty definition; see text, p. 417 for explanation.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 28, and P-60, No. 134, and other reports.

**NO. 728. PERSONS BELOW POVERTY LEVEL, AND BELOW 125 PERCENT OF POVERTY LEVEL, BY
FAMILY STATUS, RACE, AND SEX OF HOUSEHOLDER: 1950 TO 1980**

(Persons as of March of following year. For explanation of poverty level, see text, p. 417)

FAMILY STATUS, RACE, AND SEX OF HOUSEHOLDER	1950	1960	1975	1979 ¹	1980 ¹	1950	1960	1975	1979 ¹	1980 ¹
	NUMBER BELOW POVERTY LEVEL (millions)					NUMBER BELOW 125 PERCENT OF POVERTY LEVEL (millions)				
All persons²	38.5	24.1	25.9	28.1	29.3	54.9	34.7	37.2	38.8	40.7
In families	34.6	19.2	20.8	20.0	22.8	49.3	28.8	30.1	28.1	31.5
Householder	8.3	5.0	5.5	5.5	6.2	11.8	7.4	8.0	7.8	8.8
Related children under 18 yr	17.2	9.5	10.9	10.0	11.1	24.3	13.9	15.0	13.4	14.7
Children 5-17 yr	(NA)	7.1	8.0	7.1	7.7	(NA)	3.3	11.0	(NA)	10.3
Other family members	9.0	4.7	4.5	4.5	5.3	13.2	7.3	7.2	7.0	8.0
Unrelated individuals	4.9	5.0	5.1	5.7	6.2	5.6	8.1	7.1	8.0	8.7
White	38.5	16.7	17.8	17.2	19.7	41.8	24.8	28.6	25.2	28.7
In families	24.4	12.6	13.8	12.5	14.8	37.2	19.5	20.9	18.4	21.4
Householder	6.2	3.8	3.8	3.6	4.2	9.2	5.4	5.8	5.3	6.2
Related children under 18 yr	11.4	5.7	6.7	5.9	6.8	17.5	8.7	9.8	8.2	9.8
Other family members	6.9	3.4	3.2	3.0	3.8	10.6	5.4	5.3	4.8	5.7
Unrelated individuals	4.0	4.0	4.0	4.6	4.8	4.7	5.0	5.7	6.6	6.9
Black³	11.0	7.1	7.5	8.1	8.5	13.1	8.5	8.8	10.3	10.8
In families	10.1	6.2	6.5	6.8	7.2	12.1	8.5	8.8	8.5	9.0
Householder	2.1	1.4	1.5	1.7	1.8	2.8	1.9	2.0	2.2	2.3
Related children under 18 yr	5.8	3.7	3.9	3.7	3.9	6.8	4.9	4.8	4.7	4.8
Other family members	2.2	1.2	1.1	1.3	1.6	2.7	1.8	1.7	1.9	2.0
Unrelated individuals	.9	.9	1.0	1.2	1.3	1.0	1.0	1.2	1.4	1.8
In families with female householder, no husband present⁴	10.4	10.4	12.3	13.5	14.8	11.8	13.0	16.7	17.4	18.5
In families	7.0	6.8	8.8	9.4	10.1	8.0	8.6	10.9	11.8	12.3
Householder	1.9	1.8	2.4	2.6	3.0	2.2	2.3	3.1	3.3	3.7
Related children under 18 yr	4.1	4.2	5.8	5.8	5.9	4.8	5.2	6.7	6.7	6.8
Other family members	1.0	.8	.8	1.1	1.3	1.2	1.1	1.2	1.8	1.8
Unrelated individuals	3.4	3.5	3.4	3.8	4.1	3.8	4.3	4.8	5.4	5.7
In all other families⁵	28.1	15.7	15.8	12.6	14.5	43.1	21.7	21.4	19.2	22.2
In families	27.5	12.3	11.9	10.8	12.5	41.3	19.9	19.2	16.5	19.2
Householder	6.4	3.2	3.0	2.8	3.2	9.8	5.0	4.9	4.5	5.1
Related children under 18 yr	13.1	5.3	5.3	4.4	5.2	19.7	8.8	8.3	6.6	7.9
Other family members	8.1	3.9	3.6	3.4	4.0	12.1	6.1	6.0	5.4	6.2
Unrelated individuals	1.8	1.4	1.7	2.0	2.1	1.8	1.8	2.2	2.7	3.0
	PERCENT OF PERSONS BELOW POVERTY LEVEL					PERCENT OF PERSONS BELOW 125 PERCENT OF POVERTY LEVEL				
All persons²	22.4	12.1	12.3	11.7	18.0	31.1	17.4	17.8	18.4	18.1
In families	20.8	10.4	10.9	10.2	11.5	29.7	15.4	15.8	14.4	16.0
Householder	18.5	9.7	9.7	9.2	10.3	26.2	14.3	14.2	13.1	14.5
Related children under 18 yr	26.9	13.8	16.8	15.0	17.9	37.9	20.2	23.1	21.3	23.7
Children 5-17 yr	(NA)	13.6	16.3	15.3	17.0	(NA)	6.3	22.4	(NA)	22.6
Other family members	15.9	7.2	6.4	6.1	7.1	23.3	11.3	10.3	9.5	10.8
Unrelated individuals	48.1	34.0	25.1	21.9	22.9	52.7	41.8	34.9	30.7	32.0
White	18.1	9.5	9.7	8.0	10.2	26.7	14.0	14.5	13.1	14.9
In families	16.5	7.8	8.3	7.4	8.8	25.2	12.0	12.6	10.9	12.7
Householder	15.2	7.7	7.7	6.9	8.0	22.8	11.7	11.7	10.2	11.7
Related children under 18 yr	20.8	9.7	12.5	11.4	13.4	31.8	14.9	18.1	15.9	18.7
Other family members	13.3	5.8	5.2	4.7	5.5	20.4	9.2	8.8	7.5	8.7
Unrelated individuals	44.1	32.1	22.7	19.7	20.4	50.8	40.0	32.5	28.6	29.5
Black³	58.2	32.2	31.3	31.0	32.5	65.8	43.2	40.6	38.9	40.2
In families	58.0	30.9	30.1	30.0	31.1	67.0	39.5	38.5	39.0	38.8
Householder	50.4	27.9	27.1	27.8	28.9	61.0	37.9	38.1	38.2	36.8
Related children under 18 yr	66.7	39.8	41.4	40.8	42.1	78.0	52.7	51.2	51.1	49.8
Other family members	42.5	20.0	16.9	18.2	19.5	53.4	29.5	26.1	26.1	27.0
Unrelated individuals	57.4	46.7	42.1	37.3	41.0	64.0	53.9	51.1	45.4	49.4
In families with female householder, no husband present⁴	50.2	38.4	34.6	32.0	33.8	57.1	47.8	44.4	41.3	42.6
In families	40.4	38.2	37.5	34.9	36.7	56.2	48.0	46.3	43.2	44.6
Householder	42.6	32.7	32.5	30.4	32.7	49.7	41.5	41.0	38.8	40.4
Related children under 18 yr	72.2	54.4	52.7	48.6	50.8	79.4	66.2	62.8	58.0	59.3
Other family members	24.0	17.5	15.0	16.9	18.5	28.8	25.0	21.8	20.8	25.6
Unrelated individuals	52.1	38.7	28.9	28.0	27.4	59.1	47.5	40.6	37.0	38.1
In all other families⁵	18.7	8.0	7.8	7.3	8.0	27.7	12.8	12.3	10.8	12.2
In families	18.2	7.4	7.1	6.3	7.4	27.3	11.8	11.5	9.8	11.3
Householder	15.8	6.9	6.2	5.5	6.3	25.8	10.9	10.1	8.6	10.0
Related children under 18 yr	22.4	8.6	9.8	8.5	10.4	33.8	14.4	15.3	13.0	15.5
Other family members	15.3	6.4	5.7	5.1	5.9	22.6	10.2	9.3	8.1	9.2
Unrelated individuals	36.8	26.2	19.9	16.9	17.4	42.8	32.4	28.8	22.9	24.4

NA. Not available. ¹ Population controls based on 1980 census; see text pp. 2 and 416. ² Beginning 1980, includes races not shown separately. Beginning 1979, includes members of unrelated subfamilies not shown separately. For earlier years unrelated subfamily members are included in the "In families" category. ³ For 1950, Black and other races. ⁴ For persons in families, sex of family householder; for unrelated individuals, sex of individual. ⁵ Includes male unrelated individuals.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, No. 135.

NO. 729. PERSONS BELOW POVERTY LEVEL, BY AGE, REGION, RACE, AND SPANISH ORIGIN: 1981

[Persons as of March 1981. Based on Current Population Survey; see headnote, table 713. For explanation of poverty level, see text p. 418. For composition of regions, see fig. 1, inside front cover]

AGE AND REGION	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL			
	All races ¹	White	Black	Spanish origin ²	All races ¹	White	Black	Spanish origin ²
Total	21,822	21,569	9,179	2,719	14.9	11.1	34.2	28.6
Under 16 years	11,223	7,008	3,777	1,727	20.5	19.7	45.8	36.3
16 to 21 years	3,867	2,477	1,242	494	15.9	12.2	39.8	27.6
22 to 44 years	8,754	6,154	2,251	1,010	11.1	9.1	25.2	20.1
45 to 64 years	4,125	2,934	1,083	336	9.3	7.5	25.8	17.9
65 years and over	3,863	2,979	820	146	15.3	19.1	39.0	25.7
North	6,915	4,102	1,629	931	11.9	9.5	39.2	37.7
North Central	7,142	5,205	1,759	184	12.3	10.0	32.4	16.5
South	13,256	7,655	5,192	1,311	17.4	12.9	37.1	27.4
West	5,609	4,391	594	1,307	12.7	11.5	23.7	22.6

¹ Includes races not shown separately. ² Persons of Spanish origin may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, No. 134, and earlier issues.

NO. 730. SELECTED CHARACTERISTICS OF PERSONS 65 YEARS OLD AND OVER BELOW POVERTY LEVEL: 1959 TO 1980

[For 1980, persons as of April 1980; thereafter, persons as of March of following year. See headnote, table 729]

CHARACTERISTIC	NUMBER BELOW POVERTY LEVEL (1,000)					PERCENT BELOW POVERTY LEVEL				
	1960	1970	1975	1979 ¹	1980 ¹	1960	1970	1975 ¹	1979 ¹	1980 ¹
Persons, 65 and over²	5,491	4,798	3,317	3,982	3,671	35.2	24.6	16.3	16.2	15.7
White	4,744	4,011	2,834	2,911	3,042	33.1	22.6	13.4	13.3	13.6
Black	711	735	652	740	783	62.5	47.7	36.3	36.3	36.1
Spanish origin ³	(NA)	(NA)	137	154	179	(NA)	(NA)	32.6	26.8	30.8
In families	3,187	2,013	1,191	1,380	1,423	26.9	14.8	8.0	8.4	8.5
Householder	1,797	1,186	726	822	837	29.1	16.5	8.9	8.1	9.1
Male	1,507	980	585	629	627	29.1	15.9	8.3	8.4	8.2
Female	280	209	143	193	210	26.8	20.1	12.7	13.0	14.0
Other members	1,400	825	483	559	586	24.6	13.0	7.0	7.6	7.8
Unrelated individuals	2,294	2,779	2,125	2,299	2,446	61.9	47.2	31.0	29.4	30.6
Male	703	549	410	428	408	59.0	38.9	27.8	25.3	24.4
Female	1,591	2,230	1,715	1,871	2,039	63.3	49.5	31.9	30.5	32.3
Persons, 60 and over	(NA)	5,977	4,373	4,763	4,929	(NA)	21.3	14.2	13.9	14.1

NA Not available. ¹ Population controls based on 1980 census; see text, p. 2. ² Beginning 1979, includes members of unrelated subfamilies not shown separately. For earlier years, unrelated subfamily members are included in the "in families" category. ³ Persons of Spanish origin may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, No. 133.

NO. 731. FAMILIES BELOW POVERTY LEVELS, BY RACE AND SPANISH ORIGIN: 1959 TO 1981

[Families as of March of the following year. For explanation of poverty level, see text, p. 417]

YEAR	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL			
	All races ¹	White	Black	Spanish origin ²	All races ¹	White	Black	Spanish origin ²
1959	6,320	6,185	1,880	(NA)	18.5	15.2	48.1	(NA)
1960	6,243	6,115	(NA)	(NA)	18.1	14.9	(NA)	(NA)
1969	5,764	4,106	1,820	(NA)	11.8	9.3	35.5	(NA)
1969	5,008	3,575	1,386	(NA)	9.7	7.7	27.9	(NA)
1970	5,260	3,708	1,481	(NA)	10.1	8.0	29.5	(NA)
1971	5,303	3,751	1,484	(NA)	10.0	7.9	28.8	(NA)
1972	5,075	3,441	1,529	(NA)	9.3	7.1	29.0	(NA)
1973	4,826	3,219	1,527	488	8.8	6.6	29.1	19.8
1974	4,922	3,352	1,479	526	8.8	6.8	28.9	21.2
1975	5,450	3,828	1,513	627	9.7	7.7	27.1	25.1
1976	5,311	3,560	1,517	598	9.4	7.1	27.9	23.1
1977	5,311	3,540	1,637	591	9.3	7.0	28.2	21.4
1978	5,260	3,523	1,622	559	9.1	6.9	27.5	20.4
1979 ³	5,320	3,515	1,686	610	9.1	8.6	27.9	19.7
1979 ⁴	5,461	3,581	1,722	614	9.2	8.9	27.9	20.3
1980 ⁴	6,217	4,195	1,826	751	10.2	8.0	26.9	23.2
1981 ^{4,5}	6,551	4,570	1,972	792	11.2	8.6	30.6	24.0

NA Not available. ¹ Includes races not shown separately. ² Persons of Spanish origin may be of any race. ³ Population controls based on 1970 census; see text, pp. 2 and 418. ⁴ Population controls based on 1980 census; see text, pp. 2 and 418. ⁵ Based on revised poverty definition; see text, p. 417.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, No. 134.

NO. 732. PERSONS, FAMILIES, AND CHILDREN BELOW POVERTY LEVEL—STATES: 1969 AND 1979

Number in thousands. Persons, families, and related children as of April 1980. For explanation of poverty level, see text, p. 417. Excludes unrelated individuals under 14 years of age for 1969 and under 15 years for 1979, and persons in specified types of group quarters, i.e., inmates of institutions and persons living in military group quarters or in college dormitories. Poverty criteria computed on a national basis only and not adjusted for regional, State, or other local variations in cost of living. For details, see sources.]

REGION AND STATE	NUMBER BELOW POVERTY LEVEL						PERCENT BELOW POVERTY LEVEL					
	Persons		Families		Related children under 18 years		Persons		Families		Related children under 18 years	
	1969	1979	1969	1979	1969	1979	1969	1979	1969	1979	1969	1979
U.S.	27,126	27,363	5,463	5,468	10,387	10,821	13.7	12.4	10.7	9.8	15.1	16.0
Northeast	4,821	5,343	898	1,112	1,733	1,982	10.1	11.2	7.6	8.7	10.9	15.5
Maine	131	141	26	29	49	50	13.6	13.0	10.3	9.6	14.5	15.8
New Hampshire	65	75	12	15	20	24	9.1	8.5	8.7	8.1	7.9	9.4
Vermont	52	59	10	11	16	20	12.1	12.1	9.1	8.9	11.5	13.0
Massachusetts	473	532	87	110	154	193	8.8	8.6	6.2	7.6	8.8	13.1
Rhode Island	100	94	20	19	35	33	11.0	10.3	8.5	7.7	11.7	13.6
Connecticut	212	249	41	51	78	93	7.2	8.0	5.3	6.2	7.8	11.4
New York	1,886	2,299	391	483	736	877	11.1	13.4	8.5	10.8	12.7	19.0
New Jersey	574	689	113	148	217	278	8.1	9.5	6.1	7.6	9.2	14.1
Pennsylvania	1,228	1,210	237	245	417	428	10.6	10.5	7.9	7.8	10.9	13.9
North Central	5,882	6,008	1,171	1,220	2,084	2,170	10.8	10.5	8.3	8.0	10.6	13.8
Ohio	1,041	1,086	205	228	371	401	10.0	10.3	7.6	8.0	10.0	13.2
Indiana	493	516	98	107	169	189	9.7	9.7	7.4	7.4	8.3	11.8
Illinois	1,112	1,231	214	247	412	478	10.2	11.0	7.7	8.4	11.0	14.9
Michigan	819	846	160	199	304	361	9.4	10.4	7.3	8.9	9.4	13.3
Wisconsin	421	398	80	77	140	139	9.8	8.7	7.4	6.4	8.9	10.4
Minnesota	368	375	76	73	130	118	10.7	9.6	8.2	7.0	9.5	10.2
Iowa	319	285	64	58	98	94	11.6	10.1	8.9	7.5	10.1	11.5
Missouri	672	582	139	120	229	196	14.7	12.2	11.5	9.1	14.9	14.6
North Dakota	93	79	16	16	36	27	15.7	12.6	12.4	9.8	15.9	14.3
South Dakota	120	113	24	23	45	41	16.7	16.9	14.8	13.1	18.9	20.0
Nebraska	166	163	36	33	61	53	13.1	10.7	10.1	8.0	12.2	12.1
Kansas	275	232	56	47	88	73	12.7	10.1	9.7	7.4	12.0	11.4
South	12,388	11,278	2,581	2,386	5,062	4,178	20.3	18.4	18.2	11.9	23.5	19.8
Delaware	58	68	11	14	24	25	10.9	11.8	8.2	8.9	12.3	15.6
Maryland	387	406	75	82	157	143	10.1	9.8	7.7	7.5	11.5	12.5
District of Columbia	123	113	21	21	51	38	17.0	16.8	12.7	16.1	23.1	27.0
Virginia	691	610	143	129	283	218	15.5	11.8	12.3	9.2	18.0	14.9
West Virginia	380	287	82	62	140	102	22.2	15.0	18.0	11.7	24.3	18.4
North Carolina	996	839	211	183	409	298	20.3	14.8	16.3	11.6	23.6	16.3
South Carolina	595	500	119	108	271	195	23.9	16.6	19.0	13.0	26.7	21.0
Georgia	924	682	182	168	391	341	20.7	15.6	16.7	13.2	24.1	21.0
Florida	1,066	1,285	229	268	399	427	16.4	13.4	12.7	9.9	19.2	18.5
Kentucky	718	626	159	144	274	230	22.9	17.6	19.2	14.6	24.9	21.6
Tennessee	836	736	186	163	323	263	21.8	16.4	18.2	13.1	24.6	20.6
Alabama	857	720	181	154	358	271	25.4	18.9	20.7	14.8	29.3	23.6
Mississippi	787	587	154	121	346	244	35.4	23.9	28.9	18.7	41.3	30.4
Arkansas	523	424	115	94	203	154	27.8	19.0	22.6	14.9	31.3	23.4
Louisiana	933	764	188	162	412	307	26.3	18.6	21.5	15.1	30.0	23.4
Oklahoma	465	394	102	86	163	132	18.8	13.4	15.0	10.3	19.7	15.7
Texas	2,047	2,039	413	412	680	791	18.8	14.7	14.6	11.2	21.7	18.7
West	3,986	4,755	774	939	1,618	1,663	11.7	11.9	8.9	8.5	12.9	14.3
Montana	92	94	16	19	33	31	13.6	12.3	10.4	9.2	13.3	13.6
Idaho	82	117	20	24	33	43	13.2	12.6	10.9	9.8	12.7	14.3
Wyoming	38	36	8	7	14	11	11.7	7.9	9.3	5.9	11.8	7.7
Colorado	263	265	50	55	97	91	12.3	10.1	9.1	7.4	12.7	11.5
New Mexico	227	286	45	47	107	91	22.8	17.6	18.5	14.0	26.7	22.1
Arizona	264	351	50	68	114	128	15.3	13.2	11.5	9.5	17.9	16.5
Utah	118	146	23	27	45	57	11.4	10.3	8.1	7.7	10.6	10.7
Nevada	43	69	9	13	15	21	9.1	9.7	7.0	8.3	8.1	10.0
Washington	336	396	65	78	113	128	10.2	9.8	7.8	7.2	9.8	11.5
Oregon	235	274	48	54	74	86	11.5	10.7	8.8	7.7	10.8	12.0
California	2,153	2,626	421	521	628	948	11.1	11.4	8.4	8.7	12.7	15.2
Alaska	35	42	6	8	17	15	12.6	10.7	9.3	6.6	14.7	12.1
Hawaii	69	82	13	18	28	35	9.3	9.9	7.6	7.8	10.3	13.0

Sources: U.S. Bureau of the Census, *U.S. Census of Population: 1970*, vol. 1, and *1980 Census of Population and Housing*, series PHC80-3, *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas*.

Statistical Abstract of the United States 1982-83

CHANGE SHEET

Columns for percent below poverty level for White, Black, and Spanish origin are incorrect in the book
Corrected data are supplied below in those columns.

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Income, Expenditures, and Wealth

NO. 733. PERSONS BELOW POVERTY LEVEL BY RACE AND SPANISH ORIGIN—STATES: 1979

[Persons as of April of following year. Represents persons for whom poverty status was determined. Provisional data based on the Early National Sample from the 1980 census; see text, p. 2 and Appendix III]

STATE	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL			
	All races ¹	White	Black	Spanish origin ²	All races ¹	White	Black	Spanish origin ¹
U.S	27,526	17,301.6	7,752.0	3,409.8	12.5	9.2	29.2	23.1
Alabama.....	684	322.8	356.1	11.6	17.9	11.2	35.7	34.5
Alaska.....	39	21.0	(B)	(B)	10.1	6.7	(B)	(B)
Arizona.....	331	223.4	14.2	92.9	12.4	9.9	18.9	21.1
Arkansas.....	417	263.7	149.7	(B)	18.7	13.9	40.1	(B)
California.....	2,611	1,569.4	345.3	856.3	11.3	8.6	19.0	18.9
Colorado.....	289	217.9	18.6	79.7	10.2	8.4	18.3	23.6
Connecticut.....	262	171.1	60.4	39.9	8.7	6.1	27.8	32.2
Delaware.....	69	38.9	27.0	(B)	11.9	8.0	28.1	(B)
Dist. of Columbia.....	115	14.6	98.2	(B)	18.9	8.4	21.9	(B)
Florida.....	1,245	753.1	442.3	138.3	13.0	9.2	32.9	16.1
Georgia.....	869	389.1	472.2	10.6	16.4	9.8	32.2	17.1
Hawaii.....	92	29.7	(B)	11.1	10.0	8.9	(B)	15.8
Idaho.....	118	106.4	(B)	9.0	12.7	12.0	(B)	24.5
Illinois.....	1,284	627.9	544.6	118.6	11.5	6.8	32.5	18.7
Indiana.....	523	403.4	107.5	15.6	9.8	8.1	25.9	18.5
Iowa.....	266	247.0	11.3	4.9	9.4	8.7	27.1	19.0
Kansas.....	232	185.9	33.9	8.1	10.2	8.6	26.9	12.9
Kentucky.....	657	553.7	95.5	9.7	18.4	16.4	36.8	34.9
Louisiana.....	777	316.0	451.2	17.2	18.9	10.8	36.4	17.4
Maine.....	140	138.2	(B)	(B)	12.9	12.4	(B)	(B)
Maryland.....	409	203.9	194.8	7.5	9.9	6.4	20.3	11.7
Massachusetts.....	547	448.1	56.5	53.7	9.8	8.3	25.5	36.3
Michigan.....	1,004	657.8	323.3	29.6	11.1	8.3	27.0	18.2
Minnesota.....	370	335.4	13.0	5.6	9.3	8.5	24.3	17.8
Mississippi.....	600	199.1	396.2	(B)	24.5	12.3	44.7	(B)
Missouri.....	592	443.6	141.4	5.6	12.4	10.2	27.5	10.9
Montana.....	95	78.6	(B)	(B)	12.4	10.6	(B)	(B)
Nebraska.....	159	141.4	12.0	4.5	10.4	9.5	24.8	15.9
Nevada.....	67	49.8	10.9	6.8	8.5	7.1	21.3	12.6
New Hampshire.....	78	76.6	(B)	(B)	8.7	8.4	(B)	(B)
New Jersey.....	699	407.4	229.8	118.9	9.7	6.6	24.8	24.3
New Mexico.....	222	125.7	(B)	106.2	17.4	12.9	(B)	22.7
New York.....	2,344	1,305.9	658.4	612.4	13.7	9.3	27.3	37.0
North Carolina.....	827	418.5	368.2	10.2	14.6	9.4	29.4	18.0
North Dakota.....	80	71.7	(B)	(B)	12.8	11.5	(B)	(B)
Ohio.....	1,108	797.3	295.2	16.9	10.5	8.3	27.4	14.1
Oklahoma.....	391	280.6	59.0	9.7	13.3	10.8	28.8	16.8
Oregon.....	291	258.9	9.0	15.9	11.3	10.4	24.2	24.0
Pennsylvania.....	1,213	871.3	302.7	46.7	10.5	8.2	28.9	30.5
Rhode Island.....	94	79.6	8.4	(B)	10.3	8.8	30.4	(B)
South Carolina.....	479	174.9	289.8	8.4	15.9	8.1	31.6	25.4
South Dakota.....	107	85.2	(B)	(B)	16.1	13.3	(B)	(B)
Tennessee.....	760	504.5	252.9	8.3	17.0	13.1	34.8	24.8
Texas.....	2,055	1,252.3	478.7	815.6	14.8	11.1	28.0	27.3
Utah.....	154	132.4	(B)	12.1	10.7	9.5	(B)	20.1
Vermont.....	56	54.8	(B)	(B)	11.4	10.8	(B)	(B)
Virginia.....	594	302.7	277.4	8.7	11.5	7.1	27.5	11.0
Washington.....	410	345.3	20.7	28.9	10.2	9.1	19.6	24.1
West Virginia.....	276	256.0	19.3	(B)	14.5	13.6	29.6	(B)
Wisconsin.....	368	314.3	80.6	10.5	8.5	7.1	33.2	16.3
Wyoming.....	37	32.4	(B)	(B)	8.0	7.2	(B)	(B)

B Base figure too small to meet statistical standards for reliability.

¹Includes other races not shown separately.

²Persons of Spanish origin may be of any race.

Source: U.S. Bureau of Census, 1980 Census of Population and Housing, Supplementary Report, series PHC 80-S1-1.

Families Below Poverty Level

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NO. 734. FAMILIES BELOW POVERTY LEVEL—SELECTED CHARACTERISTICS, BY RACE AND SPANISH ORIGIN: 1980

(Numbers in thousands, except as indicated. Families as of March 1981. For explanation of poverty, see text, p. 417)

CHARACTERISTIC	NUMBER BELOW POVERTY LEVEL				PERCENT BELOW POVERTY LEVEL			
	All races ¹	White	Black	Spanish origin ¹	All races ¹	White	Black	Spanish origin ¹
Total	6,217	4,195	1,839	761	10.3	8.0	28.6	23.2
Northeast	1,153	831	308	114	9.0	7.2	26.6	32.2
North Central	1,377	946	406	43	8.8	8.7	31.8	16.9
South	2,899	1,801	1,018	283	13.0	9.4	30.9	23.7
West	1,017	816	86	251	9.0	8.2	18.2	19.6
In metropolitan areas	3,782	2,366	1,314	626	9.4	6.9	26.8	23.3
In central cities	2,214	1,109	1,042	416	14.0	9.4	29.4	26.9
Outside central cities	1,578	1,250	272	210	6.5	5.6	20.1	18.3
Outside metropolitan areas	2,425	1,837	513	125	12.1	10.0	36.1	23.0
Age of householder								
15 to 24 years	821	534	260	103	21.8	16.8	48.0	30.5
25 to 44 years	3,198	2,123	941	433	11.8	9.2	30.3	24.4
45 to 54 years	786	522	234	103	7.3	5.5	21.5	19.1
55 to 64 years	805	413	170	59	6.3	4.8	21.4	16.8
65 years and over	837	803	221	54	9.1	7.3	28.3	23.5
Median age	36.2	36.7	37.2	36.1	(X)	(X)	(X)	(X)
Size of family								
2 persons	2,034	1,527	487	186	8.6	7.1	23.6	21.4
3 persons	1,330	897	400	166	9.5	7.3	26.5	21.1
4 persons	1,234	811	372	139	9.9	7.5	29.3	19.1
5 persons	766	490	252	109	12.7	9.6	33.5	23.4
6 persons	414	248	151	72	16.8	12.6	36.2	26.4
7 persons or more	439	222	164	95	27.9	21.1	45.9	38.8
Mean size	3.64	3.48	3.94	4.19	(X)	(X)	(X)	(X)
Mean number of children per family with children	2.36	2.28	2.49	2.66	(X)	(X)	(X)	(X)
Educational attainment of householder: ²								
Elementary: Less than 8 years	1,262	827	372	312	24.9	21.5	35.8	33.7
8 years	595	417	141	72	13.1	10.6	36.6	27.5
High school: 1 to 3 years	1,267	747	489	120	18.2	11.7	38.0	27.4
4 years	1,563	1,144	417	98	8.0	6.4	22.7	14.1
College: 1 year or more	708	529	147	46	3.7	3.0	11.9	8.0

X Not applicable. ¹Includes races not shown separately. ²Persons of Spanish origin may be of any race. ³Householder 25 years old and over.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, No. 133.

NO. 735. WORK EXPERIENCE OF FAMILY HOUSEHOLDERS BELOW THE POVERTY LEVEL, BY SEX AND RACE: 1975 AND 1980

(In thousands, except percent. Families as of March of the following year. For 1975, includes householders 14 years and over; for 1980, householders 15 years and over. For explanation of poverty level see text, page 417)

WORK EXPERIENCE	1975						1980					
	Female householder, no husband present			All other families			Female householder, no husband present			All other families		
	All races ¹	White	Black	All races ¹	White	Black	All races ¹	White	Black	All races ¹	White	Black
Total ³	2,430	1,394	1,004	3,020	2,444	506	2,872	1,608	1,264	3,345	2,331	528
Worked	867	518	362	1,867	1,533	272	1,143	667	457	1,930	1,620	244
Full-time, ⁴ percent	15.2	14.5	16.6	39.4	40.3	34.9	15.6	12.6	19.7	43.1	44.5	35.7
Did not work	1,543	876	641	1,133	884	236	1,828	952	843	1,858	916	273
Ill or disabled	309	150	157	430	430	133	364	165	195	464	349	105
Keeping house	1,053	647	367	26	19	7	1,123	636	483	95	56	31
In school	43	13	30	30	13	12	78	41	35	58	18	13
Unable to find work	99	41	55	117	82	22	196	60	133	143	106	20

¹Includes races not shown separately. ²Includes householders in Armed Forces not shown separately. ³Year-round. ⁴Includes "other" not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, Nos. 106 and 133.

NO. 736. FAMILIES AND UNRELATED INDIVIDUALS BELOW POVERTY LEVEL, AND AGGREGATE INCOME DEFICIT (1980 DOLLARS), BY SEX AND RACE OF HEAD: 1959 TO 1980

[As of March of following year. Income deficit defined as the difference between the total income of families and unrelated individuals below poverty level and their respective poverty thresholds. In computing the income deficit, families reporting a net income loss are assigned zero dollars; for such cases, the deficit is equal to the poverty level. For explanation of poverty level, see text, p. 417]

SEX AND RACE OF FAMILY HOUSEHOLDER AND UNRELATED INDIVIDUALS	BELOW POVERTY LEVEL						AGGREGATE INCOME DEFICIT (1980 dollars)					
	1959	1964	1969	1975	1979 ¹	1980 ¹	1959	1964	1969	1975	1979 ¹	1980 ¹
	MILLIONS						BILLION DOLLARS					
Total ²	18.2	10.5	18.0	10.6	11.3	13.4	38.6	25.7	23.0	24.8	28.5	29.7
White	10.2	6.0	7.6	7.8	8.0	8.0	27.7	17.9	16.5	17.3	17.8	20.1
Black	2.7	2.4	2.2	2.6	2.8	3.1	(NA)	(NA)	6.2	6.8	7.7	8.4
Families ³	8.3	5.8	5.0	5.5	5.5	6.2	27.7	17.3	14.4	15.2	16.7	19.3
White	8.2	4.1	3.6	3.8	3.8	4.2	18.9	11.2	9.8	10.8	10.5	12.4
Black	1.9	1.6	1.4	1.5	1.7	1.8	(NA)	(NA)	4.6	5.1	5.8	6.2
Families with female householder ⁴	1.9	1.7	1.8	2.4	2.6	3.0	7.5	5.9	6.0	7.0	8.8	9.9
All other families	6.4	4.1	3.2	3.0	2.8	3.2	20.2	11.4	8.4	8.6	8.2	9.8
Unrelated individuals ⁵	4.9	4.7	5.0	5.1	5.7	6.2	10.9	8.4	8.7	8.4	9.7	10.4
White	4.0	3.9	4.0	4.0	4.5	4.8	8.8	6.7	6.9	6.5	7.3	7.8
Black	.8	.8	.9	1.0	1.2	1.3	(NA)	(NA)	1.8	1.7	2.1	2.3

NA Not available. ¹Beginning 1979, based on 1980 census population controls. ²Includes races not shown separately. ³Includes families and unrelated individuals. ⁴No husband present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, No. 133.

NO. 737. FAMILIES AND UNRELATED INDIVIDUALS, BY TYPE OF INCOME AND POVERTY STATUS: 1980

[Families as of March 1981. Hhldr.—householder. For explanation of poverty level, see text, p. 417. For limitations of data, see source]

TYPE OF INCOME	FAMILIES							UNRELATED INDIVIDUALS				
	Total			Female hhldr., no husband present		Hhldr. 65 yr. old and over		Total			65 yr old and over	
	All races ¹	White	Black	White	Black	White	Black	All races ¹	White	Black	White	Black
ALL INCOME LEVELS												
Total ² (mil.)	96.3	82.7	8.3	6.3	2.9	6.3	.8	27.1	23.4	3.2	7.2	.7
Percent of total: ³												
With income	99.8	99.9	98.4	99.5	99.8	99.7	99.5	98.2	96.5	96.4	99.7	99.5
With earnings ⁴	88.6	87.2	81.3	79.8	66.9	43.6	54.4	65.0	65.3	61.7	14.4	15.6
With transfer income	41.8	40.4	53.9	56.8	66.5	94.6	94.1	43.1	43.2	44.8	85.0	94.7
Social Security ⁵	23.0	23.2	22.6	31.8	23.5	93.9	88.6	32.5	33.6	27.3	83.0	86.8
SSI	2.7	2.0	8.6	5.6	12.4	5.4	29.7	5.4	4.4	12.6	9.5	33.2
Public assistance	5.9	3.9	21.5	18.7	41.0	1.4	10.6	2.3	1.8	5.4	2.1	3.7
Other income ⁶	17.2	17.2	17.1	15.0	11.9	8.8	13.1	10.8	10.8	12.2	8.3	10.5
With all other income ⁷	74.0	77.7	49.3	67.9	34.4	85.3	43.7	63.1	67.1	34.5	73.5	30.6
BELOW POVERTY LEVEL												
Total ² (mil.)	6.2	4.2	1.8	1.6	1.3	.8	.2	6.2	4.6	1.8	2.6	.4
Percent of total: ³												
With income	97.9	96.2	97.8	98.3	97.6	96.4	96.2	92.2	92.8	91.1	98.8	99.1
With earnings ⁴	80.5	83.6	53.0	50.2	47.7	20.4	39.4	35.6	36.1	32.3	6.1	8.4
With transfer income	64.1	66.4	78.2	70.6	82.6	91.4	95.5	58.1	57.8	61.9	94.0	98.6
Social Security ⁵	21.2	20.6	23.9	16.3	17.8	86.1	80.5	49.0	45.3	37.9	88.7	94.7
SSI	8.5	7.7	14.4	8.8	12.6	27.3	51.1	16.6	14.9	24.0	24.0	47.3
Public assistance	36.5	29.3	62.5	53.8	64.5	4.5	21.7	8.8	5.6	10.7	4.3	5.5
Other income ⁶	12.4	13.6	10.3	7.0	7.7	4.6	9.0	9.1	8.9	10.5	7.3	8.4
With all other income ⁷	32.8	36.3	19.4	36.7	18.6	43.0	16.3	37.3	41.9	19.3	44.2	16.5

¹Includes races not shown separately. ²Includes families and unrelated individuals with no income, not shown separately. ³Some families and unrelated individuals may have more than one type of income. ⁴Includes wages, salaries, and self-employment income. ⁵Includes railroad retirement income. ⁶Includes unemployment and workers' compensation, and veterans' payments. ⁷Includes income from private and government employee pensions, annuities, dividends, interest, rent, estates, trusts, alimony, child support, regular contributions from outside the household, etc.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, No. 133.

**NO. 738. PERSONS BELOW POVERTY LEVEL, AND POVERTY RATE BY SELECTED CHARACTERISTIC,
USING ALTERNATIVE INCOME CONCEPTS AND VALUATION TECHNIQUES: 1979**

(Persons as of March 1980. Income concepts present alternative methodologies for valuing public in-kind (noncash) transfers such as food stamps, school lunches, subsidized rental housing, Medicare, and Medicaid. Valuation techniques that are used to measure poverty are as follows: (1) Market value approach which is equal to the purchase price in the private market of the goods received by the recipient; (2) recipient and/or cash equivalent approach which is the amount of cash that would make the recipient just as well off as the in-kind transfer or would reflect the recipient's own valuation of the benefit; and (3) poverty budget share value which limits the value of food, housing, or medical transfers to the proportions spent on these items by persons at or near the poverty line in 1960-61 (when in-kind were minimal))

VALUATION TECHNIQUE AND SELECTED CHARACTERISTICS	INCOME CONCEPT							
	Money income alone ¹		Money income plus food and housing		Money income plus food, housing, and medical care (excl. institutional care)		Money income plus food, housing, and medical care (incl. institutional care)	
	Number (1,000)	Poverty rate (percent)	Number (1,000)	Poverty rate (percent)	Number (1,000)	Poverty rate (percent)	Number (1,000)	Poverty rate (percent)
MARKET VALUE APPROACH								
All persons	23,823	11.1	18,833	8.4	14,828	8.8	13,834	8.4
Black	7,458	30.4	5,874	23.9	3,872	15.8	3,712	15.1
Non-Black	16,187	8.8	14,059	7.5	10,151	5.4	9,822	5.3
Under 65 years	19,526	10.6	16,332	8.9	12,571	6.8	12,363	6.7
65 years old and over	4,097	14.7	3,001	12.8	1,482	5.2	1,251	4.5
South	10,108	14.6	8,526	12.3	6,577	9.5	6,343	9.2
Non-South	13,515	9.5	11,407	8.0	7,446	5.2	7,291	5.1
RECIPIENT AND/OR CASH EQUIVALENT APPROACH								
All persons	23,823	11.1	20,218	8.5	18,388	8.7	17,310	8.2
Black	7,458	30.4	8,009	24.5	5,571	22.7	5,144	21.0
Non-Black	16,187	8.8	14,209	7.6	12,822	6.8	12,174	6.5
Under 65 years	19,526	10.8	16,568	9.0	15,782	8.6	15,367	8.3
65 years old and over	4,097	14.7	3,649	13.1	2,601	8.3	1,951	7.0
South	10,108	14.6	8,723	12.6	8,023	11.6	7,648	11.0
Non-South	13,515	9.5	11,495	8.1	10,370	7.3	9,672	6.8
POVERTY BUDGET SHARE VALUE APPROACH								
All persons	23,823	11.1	22,743	8.8	18,888	8.8	18,888	8.8
Black	7,458	30.4	8,255	25.5	5,677	23.1	5,677	23.1
Non-Black	16,187	8.8	14,488	7.7	13,188	7.0	13,188	7.0
Under 65 years	19,526	10.8	18,905	9.2	15,847	8.5	15,847	8.5
65 years old and over	4,097	14.7	3,838	13.7	3,019	10.8	3,019	10.8
South	10,108	14.6	8,841	12.8	8,180	11.8	8,180	11.8
Non-South	13,515	9.5	11,902	8.3	10,698	7.5	10,698	7.5

¹ Number and rate differ from official poverty count and rate because poverty status was computed on a household basis.

Source: U.S. Bureau of the Census, *Alternative Methods for Valuing Selected In-Kind Transfer Benefits and Measuring their Effect on Poverty*, Technical Paper 50, 1982

NO. 739. APPALACHIA—PER CAPITA MONEY INCOME, 1969 AND 1979, PERSONS BELOW POVERTY LEVEL, 1969 AND 1979, AND PER CAPITA PERSONAL INCOME, 1980

(See headnote, table 740. For definition of poverty level, see text, p. 417)

AREA	PER CAPITA MONEY INCOME ¹				PERSONS BELOW POVERTY LEVEL				PER CAPITA PERSONAL INCOME, 1980	
	Total		Percent of U.S.		Number (1,000)		Percent		Percent of U.S.	
	1969	1979	1969	1979	1969	1979	1969	1979		
United States	83,118	87,330	100.0	100.0	27,125	27,363	13.7	12.4	86,511	100
Appalachian States	3,000	8,828	96.2	94.6	11,488	10,788	15.4	13.7	8,988	94
Appalachian region	2,505	6,221	80.3	84.8	3,228	2,771	18.1	14.0	7,805	82
Appalachian portion of—										
Alabama	2,430	6,147	77.9	83.8	483	395	22.1	16.8	7,884	81
Georgia	2,419	6,301	77.6	85.3	136	134	17.0	12.3	7,050	74
Kentucky	1,732	4,856	58.5	68.2	384	275	38.8	28.0	6,112	64
Maryland	2,699	6,327	63.3	88.3	80	25	14.7	11.9	7,905	88
Mississippi	1,861	4,956	59.7	87.8	188	105	33.8	22.1	6,188	65
New York	2,845	6,135	91.2	83.7	117	124	11.5	12.0	7,875	83
North Carolina	2,437	6,095	78.1	83.2	180	164	18.7	13.8	7,878	81
Ohio	2,443	6,073	78.3	82.8	178	159	18.0	12.9	7,483	79
Pennsylvania	2,790	6,770	88.5	92.4	864	587	11.4	10.0	8,777	92
South Carolina	2,571	6,473	82.4	88.3	104	97	18.2	12.6	7,872	83
Tennessee	2,340	5,983	75.0	81.6	381	337	22.4	18.6	7,229	78
Virginia	2,050	5,614	65.7	78.6	113	83	24.4	15.2	6,946	73
West Virginia ²	2,333	5,178	74.8	64.3	380	287	22.2	15.0	7,814	82
Non-Appalachian portions	3,166	7,164	101.2	97.7	8,178	8,018	14.5	13.6	8,357	98

¹ Data compiled from county data, U.S. Bureau of the Census.

² Entire State lies within the Appalachian region.

Source: Appalachian Regional Commission, *Appalachia—A Reference Book, Supplement to Second Edition, 1981*, and unpublished data.

NO. 740. APPALACHIA—POPULATION, 1970 AND 1980, AND UNEMPLOYED, 1975 TO 1981

["Appalachia" refers to a region delineated in the Appalachian Regional Development Act of 1965, as amended, containing 397 counties in 13 States]

AREA	POPULATION ¹				UNEMPLOYED				
	1970 (1,000)	1980		Per- cent change 1970- 1980	1981 (1,000)	Percent of civilian labor force			
		Total (1,000)	Per- cent rural			1975	1978	1980	1981
United States.....	203,302	226,544	28.3	11.4	8,273	8.5	8.1	7.1	7.8
Appalachian States.....	78,090	80,868	32.4	6.3	3,029	8.4	8.2	7.4	8.1
Appalachian region.....	18,217	20,237	52.4	11.1	833	8.7	8.4	8.4	9.3
Appalachian portion of—									
Alabama.....	2,137	2,430	40.7	13.7	116	8.1	8.3	9.3	11.1
Georgia.....	814	1,104	64.4	35.8	37	9.3	5.5	7.0	6.9
Kentucky.....	877	1,077	78.6	22.8	42	7.6	6.6	9.8	9.6
Maryland.....	209	220	43.8	5.2	12	9.9	8.4	10.0	11.6
Mississippi.....	419	483	66.7	15.3	20	9.1	6.7	6.3	9.0
New York.....	1,057	1,083	54.0	2.5	34	8.6	6.6	7.2	7.2
North Carolina.....	1,039	1,218	65.7	17.2	39	9.3	4.0	6.4	6.5
Ohio.....	1,130	1,283	62.8	11.7	61	10.1	6.3	6.8	11.3
Pennsylvania.....	5,931	5,994	40.6	1.1	246	9.0	7.2	6.6	9.2
South Carolina.....	656	792	40.6	20.8	31	8.7	4.9	6.2	8.0
Tennessee.....	1,735	2,074	49.4	19.6	69	8.8	6.3	7.9	9.8
Virginia.....	470	550	78.4	16.9	21	7.7	7.4	7.2	6.7
West Virginia ²	1,744	1,850	63.8	11.8	84	7.0	6.3	9.4	10.7
Non-Appalachian portions.....	57,873	80,629	25.7	4.8	2,198	8.4	8.1	7.1	7.7

¹ 1980 census data and revised 1970 census data from U.S. Bureau of the Census, *1980 Census of Population, Vol. 1, Part B, Number of Inhabitants*. ² Entire State lies within the Appalachian region.

Source: Appalachian Regional Commission. Based on population data from U.S. Bureau of the Census and labor force data from U.S. Bureau of Labor Statistics and individual State reporting agencies.

NO. 741. NET STOCK OF FIXED REPRODUCIBLE TANGIBLE WEALTH IN CURRENT AND CONSTANT (1972) DOLLARS: 1929 TO 1981

[In billions of dollars, except percent. As of Dec. 31. See headnotes, tables 903 and 1348]

TYPE OF WEALTH	1929	1935	1945	1950	1955	1960	1965	1970	1975	1979	1980	1981
CURRENT DOLLARS												
Net stock, total.....	259	207	458	723	1,020	1,287	1,825	2,539	4,367	6,912	7,757	8,522
Business.....	184	137	230	451	624	789	988	1,542	2,724	4,457	4,900	5,457
Percent of total.....	70.9	66.0	50.2	62.3	61.2	61.3	60.8	60.7	62.4	64.5	64.3	64.0
Equipment.....	30	20	37	97	159	181	227	369	650	1,009	1,168	1,282
Nonresidential structures.....	58	42	59	108	151	196	261	438	789	1,224	1,375	1,523
Residential structures.....	97	74	135	245	334	409	501	735	1,283	2,225	2,448	2,643
Government.....	37	44	179	188	244	306	404	629	1,058	1,578	1,794	2,023
Equipment:												
Military.....	1	1	77	29	50	54	64	76	102	153	184	207
Other.....	1	2	13	9	17	21	25	40	64	97	114	135
Nonresidential structures.....	35	41	86	126	170	221	302	483	856	1,272	1,434	1,616
Residential structures.....	(2)	(2)	3	5	7	10	13	20	36	55	60	66
Households ¹	38	26	40	104	152	192	233	368	585	877	973	1,042
CONSTANT (1972) DOLLARS												
Net stock, total.....	926	872	1,170	1,233	1,545	1,818	2,203	2,715	3,220	3,623	3,705	3,775
Business.....	693	620	688	772	946	1,122	1,358	1,657	1,972	2,221	2,277	2,326
Equipment.....	96	72	90	165	206	228	277	380	480	577	599	617
Nonresidential structures.....	244	216	178	210	254	314	386	480	553	587	611	626
Residential structures.....	360	332	323	267	486	580	693	797	939	1,047	1,066	1,082
Government.....	141	174	504	326	412	477	578	665	781	802	817	827
Equipment:												
Military.....	4	3	228	57	77	73	81	80	60	68	91	96
Other.....	5	6	31	15	27	28	32	41	49	57	61	63
Nonresidential structures.....	132	165	239	248	298	361	447	543	606	634	640	643
Residential structures.....	(2)	(2)	6	6	10	14	18	21	28	25	25	25
Households ¹	92	78	77	134	187	217	268	373	488	600	611	622

¹ Less than \$600 million. ² Consumer durables.

Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1925-78, and Survey of Current Business*, August 1982.

No. 742. PERSONAL WEALTH—PERCENT SHARE OF TOP ONE PERCENT: 1922 TO 1972

[Persons 21 years old and over. Data differ from those in table 743 because the latter relate to all persons]

YEAR	Percent	YEAR	Percent	YEAR	Percent
1922.....	31.6	1949.....	20.8	1962.....	22.0
1929.....	36.3	1953.....	24.3	1965.....	23.4
1933.....	28.3	1954.....	24.0	1969.....	20.1
1939.....	30.6	1956.....	26.0	1972.....	20.7
1945.....	23.3	1958.....	23.8		

Source: 1922-1958, Robert J. Lampman, *The Share of Top Wealth-Holders in National Wealth*, National Bureau of Economic Research, 1962; 1958, James D. Smith and Staunton K. Calvert, "Estimating the Wealth of Top Wealth-Holders from Estate Tax Returns," *Proceedings of the American Statistical Association*, Philadelphia, Pa., 1965 (copyright); 1962-1972, James D. Smith, unpublished estimates, The Urban Institute, Washington, D.C., and The Pennsylvania State University (copyright).

No. 743. PERSONAL WEALTH—VALUE OF ASSETS HELD BY ALL PERSONS, TOP ONE-HALF PERCENT, AND TOP ONE PERCENT: 1958 TO 1972

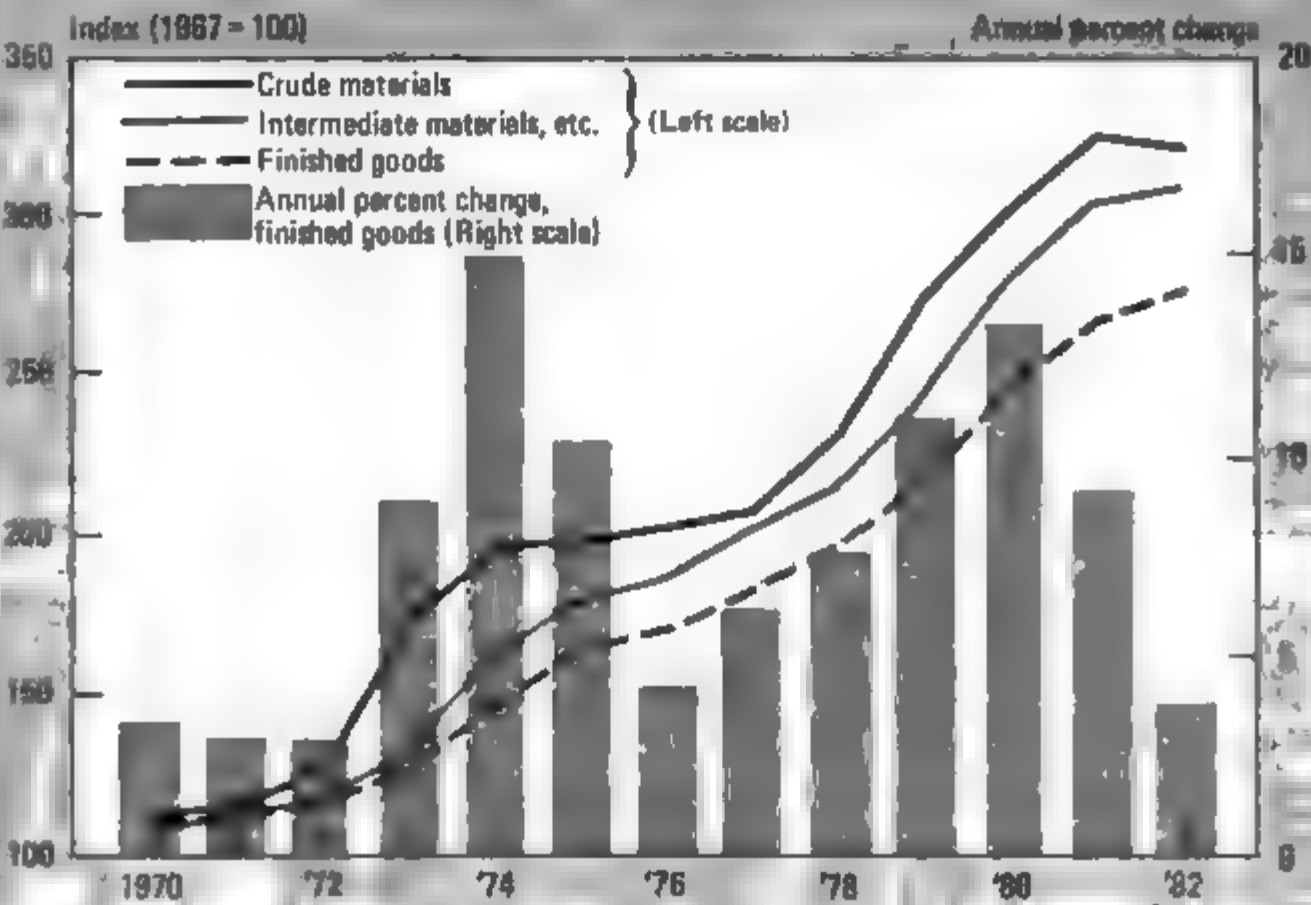
[In billions of dollars, except as indicated. Wealth of all persons derived from national balance sheets. Wealth of top one-half percent and one percent of all persons estimated by estate multiplier technique. Detailed descriptions of methodology and attendant problems can be found in sources cited for table 742]

ASSET	1958					1962				
	Value of gross personal assets held by—			Percent held by—		Value of gross personal assets held by—			Percent held by—	
	All persons	Top ½ percent of all	Top 1 percent of all	Top ½ percent of all	Top 1 percent of all	All persons	Top ½ percent of all	Top 1 percent of all	Top ½ percent of all	Top 1 percent of all
Total assets.....	1,625.1	332.0	414.4	20.4	25.5	2,093.9	432.4	548.3	20.7	26.2
Real estate ¹	621.5	62.5	93.9	10.1	15.1	770.0	79.6	117.8	10.3	15.3
Corporate stock ²	264.1	175.9	199.2	66.6	75.4	426.4	227.3	264.4	53.3	62.0
Bonds.....	87.0	31.3	36.0	36.0	41.4	94.5	33.2	38.4	35.1	40.6
Cash ³	216.0	22.5	32.8	10.4	15.2	278.3	28.9	42.5	10.4	15.3
Debt instruments ⁴	43.7	12.5	16.3	28.6	37.3	51.5	16.5	21.8	32.0	42.3
Life insurance ⁵	79.9	7.5	11.3	9.4	14.1	93.8	7.1	10.7	7.6	11.4
Trusts ⁶	30.3	25.8	27.9	85.1	92.1	46.1	(NA)	(NA)	(NA)	(NA)
Miscellaneous.....	312.9	19.8	24.9	6.3	7.9	379.4	39.8	52.7	10.5	13.9
Liabilities ⁷	227.4	29.2	39.3	12.9	16.8	314.0	47.9	61.0	15.2	19.4
Net worth.....	1,396.7	302.8	376.1	21.7	28.9	1,779.9	384.6	487.3	21.6	27.4
Number of persons (mil.).....	(x)	.87	1.74	(x)	(x)	(x)	.93	1.87	(x)	(x)
	1969					1972				
	Value of gross personal assets held by—			Percent held by—		Value of gross personal assets held by—			Percent held by—	
	All persons	Top ½ percent of all	Top 1 percent of all	Top ½ percent of all	Top 1 percent of all	All persons	Top ½ percent of all	Top 1 percent of all	Top ½ percent of all	Top 1 percent of all
Total assets.....	3,484.1	672.4	848.8	19.3	24.4	4,344.4	822.4	1,046.9	18.9	24.1
Real estate ¹	1,188.8	117.0	170.7	9.8	14.4	1,492.6	150.9	225.0	10.1	15.1
Corporate stock ²	832.1	366.3	423.3	44.0	50.8	870.9	429.3	491.7	49.3	56.5
Bonds.....	133.9	63.7	71.5	47.6	53.4	158.0	82.5	94.8	52.2	60.0
Cash ³	496.9	48.1	71.2	9.7	14.3	748.8	63.0	101.2	8.5	13.5
Debt instruments ⁴	72.4	21.9	29.6	30.2	40.9	77.5	30.3	40.8	39.1	52.7
Life insurance ⁵	127.2	8.4	13.8	6.6	10.8	143.0	6.2	10.0	4.3	7.0
Trusts ⁶	69.9	60.0	64.5	85.8	92.3	99.4	80.3	89.4	80.8	89.9
Miscellaneous.....	632.8	47.0	68.7	7.4	10.9	853.6	59.5	83.3	6.8	9.8
Liabilities ⁷	567.5	75.8	100.5	13.6	18.0	808.5	100.7	131.0	12.5	16.2
Net worth.....	2,926.6	596.7	743.1	20.4	25.6	3,535.9	721.7	915.9	20.4	25.9
Number of persons (mil.).....	(x)	1.01	2.03	(x)	(x)	(x)	1.04	2.09	(x)	(x)

NA Not available. X Not applicable. ¹Market value without deduction of mortgages, liens, or other incumbrances. Beginning 1962, includes foreign real estate. ²Includes all common and preferred issues, shares in domestic or foreign firms, certificates and shares of building and loan and savings and loan associations, Federal land bank stock, accrued dividends, and other instruments representing equity interest in an enterprise. Stock held in trust is included, but value is understated. ³Includes checking and savings balances, currency on hand or in safe deposit boxes, cash balances with stock brokers, and postal savings accounts. Cash in trust is included, but understated. ⁴Includes notes and mortgages, security credit, and similar assets. ⁵Cash surrender value; i.e., the amount individuals could expect to receive were they to surrender their policies to the carriers. It takes account of policy loans, accrued dividends, and unearned premiums. ⁶Includes all assets owned in trust except real estate. Trust classification figures should not be used to arrive at total assets because these data are included in individual asset types. ⁷Includes all legal obligations except loans on life insurance policies.

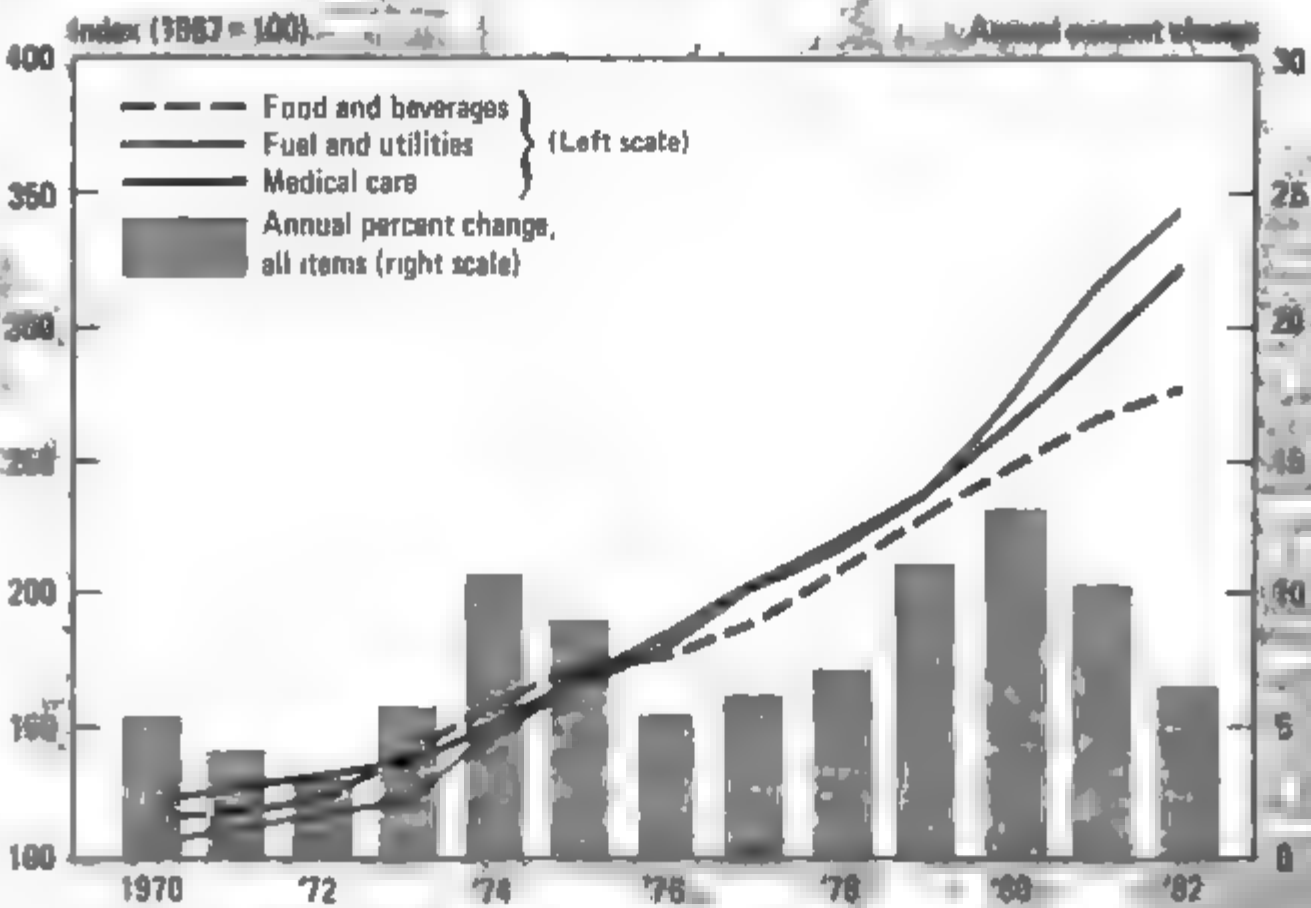
Source: James D. Smith and Stephen D. Franklin, "The Concentration of Personal Wealth, 1922-1968," *The American Economic Review*, Volume LXIV, Number 2, May 1974 (copyright), and U.S. Congress, House Committee on the Budget, *Data on Distribution of Wealth in the United States*.

Figure 15.1
Producer Price Indexes by Stage of Processing: 1970 to 1982

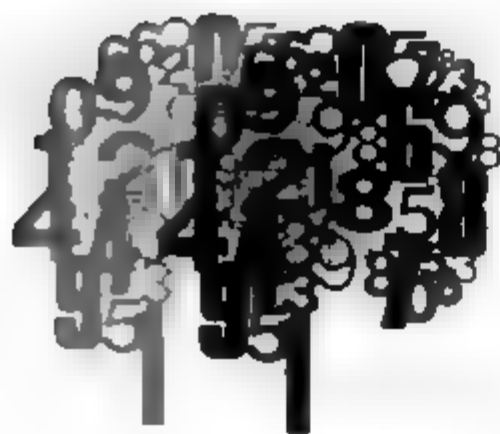


* Annual rate for five months ending May. For 1982, percent change, June 1981 - June 1982.
Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 745 and 750.

Figure 15.2
Consumer Price Indexes: 1970 to 1982



* Annual rate for five months ending May. For 1982, percent change May 1981 - May 1982.
Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 745 and 750.



Section 15

Prices

This section presents indexes of producer and consumer prices, actual prices for selected commodities, and budgets for urban families and retired couples. The primary sources of these data are monthly publications of the Department of Labor, Bureau of Labor Statistics, which include: *Monthly Labor Review*; *Consumer Price Index, Detailed Report*; *Consumer Prices: Energy and Food*; and *Producer Prices and Price Indexes*. The Bureau of Economic Analysis of the Department of Commerce is the source for the gross national product (GNP) implicit price deflator figures; see table 747. The Department of Agriculture's Economic Research Service (ERS) produces indexes of prices received and prices paid by farmers; see section 24. The single year 1987 has been the standard reference base period for most general-purpose index numbers prepared by Federal agencies; however, this standard reference base period will be changed to the year 1977.

The Bureau of Labor Statistics (BLS) prepares monthly indexes of producer prices for a large selection of commodities, and monthly indexes of consumer prices for both commodities and services.

Producer price index.—Formerly known as the wholesale price index, this index, dating from 1890, is the oldest continuous statistical series published by BLS. It is designed to measure average changes in prices of all commodities, at all stages of processing, produced or imported for sale in primary markets in the U.S.

The index has undergone several revisions (see *Monthly Labor Review*, February 1962). It is now based on approximately 3,500 commodity price series instead of the approximately 1,900 included in the 1947–1960 period and the 900 included for the period prior to 1947. Prices used in constructing the index are collected from sellers, if possible, and generally apply to the first significant large-volume commercial transaction for each commodity—i.e., the manufacturer's or other producer's selling price, the importer's selling price, or the selling price on an organized exchange or at a central market.

The weights used in the index represent the total net selling value of commodities produced or processed in this country, or imported. Values are f.o.b. production point and are exclusive of excise taxes, interplant transfers, military products, and goods sold directly at retail from producing establishments. Beginning in January 1976, the weights are values of net shipments of commodities as derived from the industrial censuses of 1972 and other data. For January 1967–December 1975, weights were based on 1963 shipment values.

Implicit price deflators.—Several measures of the change in prices paid by U.S. consumers are available. Each of them is constructed differently and behaves differently. Three such measures are: the *implicit price deflator* for personal consumption expenditures (PCE) and the *chain price index* for PCE, prepared by Bureau of Economic Analysis (BEA) and the *consumer price index*, prepared by BLS.

Many of the differences are traceable to the fact that the population groups covered by the BEA measures are "persons" as defined in the national income and product accounts, i.e., mainly individuals and nonprofit institutions and individuals serving them. The CPI covers all urban consumers. Weights also differ in each of the three measures. In terms of relative importance, approximately 70 percent of the expenditure components used in constructing the BEA and the CPI are comparable. CPI measures are also used in constructing most of the BEA measures for noncomparable PCE components. All together, almost 95 percent of the weight of the price indexes used in the construction of the BEA measures is taken from the CPI. See U.S. Bureau of Economic Analysis, *Survey of Current Business*, March 1976 for a detailed reconciliation.

Consumer price indexes (CPI).—The CPI is a measure of the average change in prices over time in a fixed "market basket" of goods and services purchased by urban wage earners and clerical workers and by all urban consumers.

In 1919, BLS began to publish complete indexes at semiannual intervals, using a weighting structure based on data collected in the expenditure survey of wage-earner and clerical-worker families in 1917-19 (BLS Bulletin 357, 1924). The first major revision of the CPI occurred in 1940, with subsequent revisions in 1953, 1964, and 1978.

The current revision, initially issued with release of the January 1978 data, is based on updated "market baskets" of goods and services and revised expenditure weights derived from a 1972-1973 Consumer Expenditure Survey.

Effective with the January 1978 index, BLS began publishing CPI's for two population groups: (1) a new CPI for All Urban Consumers (CPI-U) which covers approximately 80 percent of the total noninstitutional civilian population; and (2) a revised CPI for Urban Wage Earners and Clerical Workers (CPI-W) which represents about half the population covered by CPI-U. The CPI-U includes in addition to wage earners and clerical workers, groups which historically have been excluded from CPI coverage, such as professional, managerial, and technical workers, the self-employed, short-term workers, the unemployed, and retirees and others not in the labor force.

The CPI is based on prices of food, clothing, shelter, fuels, transportation fares, charges for doctors' and dentists' services, drugs, and other goods and services purchased for day-to-day living. Prices are collected in 85 areas across the country from over 18,000 tenants, 18,000 housing units for property taxes, and about 24,000 establishments. Area selection was based on the 1970 census. All taxes directly associated with the purchase and use of items are included in the index. Prices of food, fuels, and a few other items are obtained every month in all 85 locations. Prices of most other commodities and services are collected monthly in the five largest geographic areas and every other month in other areas.

In calculating the index, each item is assigned a weight to account for its relative importance in consumers' budgets. Price changes for the various items in each location are then averaged. Local data are then combined to obtain a U.S. city average. Separate indexes are also published for 28 local areas, usually consisting of the Standard Metropolitan Statistical Area (SMSA); see text, page 2. Area definitions are those established by the Office of Management and Budget in 1973. Definitions do not include revisions made since 1973. Area indexes do not measure differences in the level of prices among cities, they only measure the average change in prices for each area since the base period. For further detail regarding the CPI, see *Consumer Price Index; Concepts and Content Over the Years*, BLS report number 517.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to the producer price index and the CPI, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 744. PURCHASING POWER OF THE DOLLAR: 1940 TO 1982

[1967=\$1.00. Producer prices prior to 1961, and consumer prices prior to 1964, exclude Alaska and Hawaii. For 1940 and 1945, producer prices based on all commodities index; subsequent years based on finished goods index. Obtained by dividing the average price index for the 1967 base period (100.0) by the price index for a given period and expressing the result in dollars and cents. Annual figures are based on average of monthly data]

YEAR	ANNUAL AVERAGE AS MEASURED BY—		YEAR	ANNUAL AVERAGE AS MEASURED BY—		YEAR	ANNUAL AVERAGE AS MEASURED BY—	
	Producer prices	Consumer prices		Producer prices	Consumer prices		Producer prices	Consumer prices
1940.....	\$2.469	\$2.381	1958.....	\$1.073	\$1.155	1970.....	\$.907	\$.860
1945.....	1.832	1.855	1959.....	1.075	1.145	1971.....	.880	.824
1948.....	1.252	1.387	1960.....	1.067	1.127	1972.....	.853	.799
1949.....	1.289	1.401	1961.....	1.067	1.116	1973.....	.782	.752
1950.....	1.266	1.387	1962.....	1.064	1.104	1974.....	.678	.678
1951.....	1.156	1.285	1963.....	1.067	1.091	1975.....	.612	.621
1952.....	1.163	1.258	1964.....	1.063	1.076	1976.....	.586	.587
1953.....	1.175	1.248	1965.....	1.045	1.058	1977.....	.550	.551
1954.....	1.172	1.242	1966.....	1.012	1.029	1978.....	.510	.512
1955.....	1.170	1.247	1967.....	1.000	1.000	1979.....	.459	.461
1956.....	1.138	1.229	1968.....	.972	.960	1980.....	.405	.406
1957.....	1.098	1.186	1969.....	.938	.911	1981.....	.370	.367
						1982, June.....	.357	.348

Source: U.S. Bureau of Labor Statistics. Monthly data in U.S. Bureau of Economic Analysis, *Survey of Current Business*.

NO. 745. ANNUAL PERCENT CHANGE IN SELECTED PRICE INDEXES: 1960 TO 1982

[Yearly averages. Minus sign (—) denotes decrease. GNP = Gross national product; see text, p. 415]

YEAR OR PERIOD	CONSUMER PRICES						PRODUCER PRICES					GNP DEFLATOR ¹			
	All items	Food	Fuel oil and coal ²	Gas (piped) and electricity	Rent	Services	Finished goods		Intermediate goods	Crude goods		Total	Domestic business	Non-farm business	PCE ^{3,4} deflator
							Total	Consumer goods		Total	Fuel				
1960 ⁵	1.6	1.0	— 7	4.1	1.4	3.3	.8	2.2	—	—2.4	1.0	1.6	1.5	1.5	1.9
1961	1.0	1.3	2.0	.8	1.3	2.0	—	—4	—8	—5	—2	.9	.6	.8	1.0
1962	1.1	.9	.5	—	1.2	1.9	.9	9	1	1.0	—5	1.8	1.5	1.5	1.5
1963	1.2	1.4	1.9	—	1.1	2.0	—9	—1.2	.3	—2.2	1.2	1.5	1.1	1.2	1.6
1964	1.3	1.3	—5	—	.8	1.9	.4	.5	.3	—9	.4	1.5	1.0	1.1	1.4
1965	1.7	2.2	2.0	—	1.0	2.2	1.7	3.8	1.4	5.1	.8	2.2	1.9	1.6	1.8
1966	2.9	5.0	2.5	.2	1.9	3.9	3.2	6.5	2.5	8.4	3.0	3.2	2.9	2.7	2.9
1967	2.9	.9	3.1	.4	1.8	4.4	1.2	1.6	.8	—5.4	3.8	3.0	2.7	3.1	2.4
1968	4.2	3.6	3.1	.9	2.4	5.2	2.8	3.6	2.3	1.6	2.3	4.4	3.9	3.8	4.0
1969	5.4	5.1	2.4	1.9	3.2	6.9	3.7	6.2	3.4	6.7	4.2	5.1	4.8	4.7	4.5
1970	5.9	5.5	4.3	4.4	4.2	6.1	3.6	3.2	3.9	3.6	15.0	5.4	4.5	4.7	4.6
1971	4.3	3.0	6.7	5.9	4.6	5.6	3.1	1.6	3.8	2.5	13.4	5.0	4.4	4.5	4.3
1972	3.3	4.3	.9	5.1	3.5	3.8	3.1	5.6	4.0	10.9	7.0	4.2	3.5	3.0	3.7
1973	6.2	14.5	14.8	4.9	4.3	4.4	9.1	20.3	10.9	36.4	10.6	5.8	5.5	3.9	5.7
1974	11.0	14.4	57.8	15.3	5.1	9.3	15.9	14.0	23.8	12.7	33.4	8.8	9.2	9.8	10.1
1975	9.1	8.5	9.6	16.3	5.1	9.5	10.8	8.4	10.5	.4	23.7	9.3	9.5	9.9	7.6
1976	5.8	3.1	6.6	11.4	5.4	8.3	4.4	—3	5.1	2.9	12.4	5.2	4.9	5.1	5.1
1977	6.5	8.3	13.0	12.9	6.1	7.7	6.5	5.3	6.6	3.2	21.9	5.6	5.6	5.8	5.8
1978	7.7	10.0	5.3	9.0	6.8	8.5	7.8	9.1	7.0	12.0	14.7	7.4	7.5	7.1	7.0
1979	11.3	10.9	35.1	10.8	7.3	11.0	11.1	9.2	12.8	17.0	19.9	8.6	8.9	8.7	9.0
1980	13.5	8.6	37.9	17.1	8.8	15.4	13.5	5.9	15.3	11.0	21.2	9.3	9.4	10.0	10.3
1981	10.4	7.9	21.6	14.6	6.7	13.1	9.2	5.9	9.2	6.0	22.1	9.4	9.4	9.8	8.6
1982 ⁶	7.1	5.2	3.7	12.3	7.6	10.3	3.5	3.8	.9	—2.9	16.6	6.7	6.4	6.7	5.9
1960-65 ⁷	1.3	1.4	1.2	.2	1.1	2.0	.4	.7	.2	.5	.2	1.8	1.2	1.2	1.4
1965-70 ⁸	4.2	4.0	3.1	1.5	2.6	5.7	2.9	3.5	2.6	2.5	5.6	4.2	3.8	3.8	3.7
1970-75 ⁹	6.7	8.8	16.4	9.6	4.5	6.5	6.2	9.8	10.4	11.9	17.2	6.6	6.4	6.2	6.3
1975-80 ¹⁰	8.9	7.7	16.8	12.2	6.9	10.2	8.6	5.8	9.3	9.1	17.8	7.3	7.2	7.3	7.4

— Represents zero.

¹ Includes bottled gas.² Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*, and *Survey of Current Business*, July 1982. Index 1972=100.³ PCE = Personal consumption expenditures. See table 747.⁴ Base year for percent change is 1959.⁵ Change from June 1961-June 1962, except GNP deflator, 2d qtr 1961 to 2d qtr 1962.⁶ Average annual percent change. For explanation of average annual percent change, see Guide to Tabular Presentation.Source: Except as noted, U.S. Bureau of Labor Statistics, *Monthly Labor Review*.

NO. 746. ANNUAL PERCENT CHANGE IN WAGE RATES, COSTS, PRODUCTIVITY, AND FEDERAL BUDGET: 1970 TO 1982

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Wage rates and earnings, private nonfarm:													
Average hourly earnings	6.3	6.8	7.2	6.5	7.6	6.6	7.3	8.0	6.4	6.3	8.1	6.9	¹ 5.8
Adjusted hourly earnings index	6.6	7.1	6.4	6.2	7.9	6.3	7.2	7.6	6.1	6.0	9.0	9.1	¹ 6.9
Employment cost index, total	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	8.9	7.7	6.0	8.2	9.2	¹ 7.1
Union	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	7.7	7.9	6.6	10.4	10.0	¹ 8.1
Nonunion	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	8.4	7.7	7.6	8.6	8.9	¹ 6.5
Nonfarm business:													
Compensation per hour	7.0	6.6	6.7	7.6	9.4	6.6	6.2	7.5	6.6	9.3	10.2	9.7	¹ 6.2
Productivity	.3	3.3	3.7	2.5	2.4	2.0	3.0	2.2	.6	—1.3	—9	1.4	¹ 2
Unit labor costs	6.6	3.2	2.9	4.9	12.1	7.4	5.0	5.2	6.0	10.7	11.2	6.1	¹ 7.9
Federal government budget: ²													
Receipts	3.2	—2.6	10.8	11.3	14.1	6.1	6.8	19.3	12.4	15.9	11.6	15.9	¹ 4.6
Outlays	6.5	7.5	9.7	6.5	9.1	21.0	12.4	9.9	11.9	9.5	17.4	14.0	¹ 10.4
Gross debt	4.2	7.0	6.6	7.1	3.6	11.9	16.1	12.2	10.1	6.8	9.7	9.8	¹ 13.0

NA. Not available.

¹ Change from June 1961-June 1962.² Change from 2d qtr 1961 to 2d qtr 1962.³ Fiscal year date; see table 414. Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.⁴ Estimate.Source: Except as noted, U.S. Bureau of Labor Statistics, *Monthly Labor Review* and *Employment and Earnings*, monthly.

No. 747. GROSS NATIONAL PRODUCT IMPLICIT PRICE DEFLATORS: 1960 TO 1981

[1972 = 100. See *Historical Statistics, Colonial Times to 1970*, series E 1-22, for data based on 1958 = 100. Minus sign (–) denotes decrease]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Gross national product.....	68.7	74.4	91.5	115.1	125.8	132.3	140.1	150.4	163.4	178.6	195.5
Business nonfarm.....	72.6	77.1	92.9	114.1	125.4	131.8	139.4	149.2	162.1	178.4	195.5
Farm.....	69.1	73.5	82.9	150.2	145.3	142.9	146.0	180.1	209.4	191.0	197.4
Government.....	49.5	60.0	85.1	113.9	124.0	133.0	142.4	151.7	161.7	175.6	192.1
Personal consumption expenditures.....	71.9	77.2	92.5	116.4	125.3	131.7	139.3	149.1	162.5	179.2	194.5
Durable goods.....	83.8	86.8	95.7	108.2	117.3	123.9	129.2	136.4	145.0	156.3	187.5
Motor vehicles and parts.....	80.7	86.2	94.9	107.2	117.6	126.6	133.6	143.0	154.2	166.8	181.8
Nondurable goods ¹	72.6	77.3	93.6	123.4	132.5	137.2	143.6	153.4	169.9	188.4	202.7
Food.....	70.1	75.6	92.6	127.6	136.8	140.5	146.4	160.6	177.0	190.8	206.9
Gasoline and oil.....	84.5	87.5	97.9	147.7	157.7	164.3	173.7	181.3	243.2	338.7	376.7
Fuel oil and coal.....	76.2	80.8	93.6	182.4	197.4	212.0	239.9	252.7	340.2	470.6	571.6
Services ¹	67.9	74.2	90.5	113.0	121.6	129.6	139.3	150.0	162.3	178.8	196.3
Housing.....	75.1	80.3	92.1	110.6	116.8	123.4	131.6	141.2	152.5	166.7	181.6
Transportation.....	63.3	68.9	87.2	107.4	112.0	125.5	141.8	150.5	160.8	184.5	201.9
Gross private fixed investment ²	72.1	74.0	91.1	116.7	131.9	139.2	149.8	163.2	178.5	193.3	206.0
Nonresidential.....	72.5	74.7	91.3	115.4	132.2	138.6	146.3	157.2	170.8	186.1	201.3
Structures.....	63.7	66.4	68.2	128.2	144.8	149.0	159.4	176.4	200.2	227.7	251.5
Producers' durable equipment.....	79.4	80.6	93.2	109.3	126.2	133.9	141.0	149.7	158.8	169.0	179.6
Residential.....	71.4	72.3	90.5	120.3	131.0	140.7	158.0	178.3	200.5	218.5	233.6
Exports.....	75.2	79.4	93.2	134.8	149.6	155.3	161.9	172.6	192.5	213.1	231.8
Imports.....	76.1	77.7	86.6	164.6	179.6	185.6	205.5	214.1	246.1	289.3	293.1
Government purchases ³	58.0	66.0	87.7	116.8	126.2	136.6	146.3	157.3	170.4	189.2	207.9
Federal.....	59.4	67.1	86.6	114.9	126.0	133.5	142.8	153.1	164.8	185.2	207.4
State and local.....	56.5	64.9	88.6	118.0	129.4	138.3	148.4	159.7	173.7	191.6	208.2
ANNUAL PERCENT CHANGE ⁴											
Gross national product.....	1.6	2.2	5.4	5.9	9.3	5.2	5.8	7.4	8.6	9.3	9.4
Personal consumption expenditure.....	1.9	1.8	4.6	5.9	7.6	5.1	5.8	7.0	9.0	10.3	8.6
Durable goods.....	.1	–.3	2.5	3.1	8.5	5.6	4.2	5.6	6.3	7.8	7.1
Services.....	3.0	2.0	5.3	5.7	7.6	6.6	7.5	7.7	8.2	10.2	9.8
Gross private fixed investment ².....	.4	1.5	4.8	6.4	13.0	5.6	7.6	8.9	9.4	8.3	7.6
Nonresidential.....	.3	1.2	5.3	6.0	14.6	4.9	5.6	7.4	8.6	9.0	8.1
Residential.....	.5	1.7	3.3	7.4	8.9	7.4	12.3	12.9	12.4	9.0	6.9
Exports.....	2.3	2.9	5.3	9.7	11.0	3.7	4.3	6.6	11.5	10.7	8.8
Imports.....	1.2	1.2	6.5	16.7	9.1	3.3	10.7	4.2	14.9	17.5	1.3
Government purchases ³	1.4	3.0	8.1	7.4	9.7	6.6	7.1	7.5	8.4	11.0	9.9

¹Includes items not shown separately. ²Domestic investments only. ³Goods and services.
⁴For 1960, base year for percent change is 1959; for 1965, base year is 1964; for 1970, base year is 1969; 1974–81, change from prior year shown. For explanation of average annual percent change, see Guide to Tabular Presentation.
Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–76*; and *Survey of Current Business*, July 1982.

No. 748. PRODUCER PRICE INDEXES—MAJOR COMMODITY GROUPS: 1950 TO 1982

[1967 = 100. Prior to 1961, excludes Alaska and Hawaii. See text, p. 451. See also *Historical Statistics, Colonial Times to 1970*, series E 23 and 24]

YEAR	All commodities	Farm products	Processed foods and feeds	INDUSTRIAL COMMODITIES		YEAR	All commodities	Farm products	Processed foods and feeds	INDUSTRIAL COMMODITIES	
				Total	Energy ¹					Total	Energy ¹
1950.....	81.8	106.7	83.4	78.0	87.1	1967.....	100.0	100.0	100.0	100.0	100.0
1951.....	91.1	124.2	92.7	86.1	90.3	1968.....	102.5	102.5	102.2	102.5	96.9
1952.....	86.6	117.2	91.6	84.1	90.1	1969.....	106.5	109.1	107.3	106.0	100.9
1953.....	87.4	106.2	87.4	84.8	92.6	1970.....	110.4	111.0	112.1	110.0	106.2
1954.....	87.6	104.7	88.9	85.0	91.3	1971.....	114.0	112.9	114.5	114.1	115.2
1955.....	87.8	96.2	85.0	86.9	91.2	1972.....	119.1	125.0	120.8	117.9	118.6
1956.....	90.7	96.9	84.9	90.8	94.0	1973.....	134.7	176.3	148.1	125.9	134.3
1957.....	93.3	99.5	87.4	93.3	99.1	1974.....	160.1	187.7	170.9	153.8	206.3
1958.....	94.6	103.9	91.8	93.6	95.3	1975.....	174.9	186.7	182.6	171.5	245.1
1959.....	94.8	97.5	89.4	95.3	95.3	1976.....	163.0	191.0	178.0	182.4	265.6
1960.....	94.9	97.2	89.5	95.3	96.1	1977.....	194.2	192.5	186.1	195.1	302.2
1961.....	94.5	96.3	91.0	94.8	97.2	1978.....	209.3	212.5	202.6	209.4	322.5
1962.....	94.8	96.0	91.9	94.8	96.7	1979.....	235.8	241.4	222.5	236.5	406.1
1963.....	94.5	96.0	92.5	94.7	96.3	1980.....	268.8	249.4	241.2	274.8	574.0
1964.....	94.7	94.6	92.3	95.2	93.7	1981.....	293.4	254.9	248.7	304.1	694.5
1965.....	96.6	96.7	95.5	96.4	96.5	1982, June.....	299.4	252.7	255.8	310.7	677.4
1966.....	99.8	105.9	101.2	96.5	97.8						

¹Fuels, related products, and power.
Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly and annual.

No. 749. PRODUCER PRICE INDEXES—ANNUAL PERCENT CHANGE IN SELECTED COMMODITY GROUPS: 1970 TO 1982

[Minus sign (-) denotes decrease]

COMMODITY GROUP	1970 ¹	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982 ²
Farm products.....	1.7	1.7	10.7	41.0	6.5	- .5	2.9	.8	10.4	13.8	3.3	2.2	-3.1
Processed foods, feeds.....	4.5	2.0	5.7	22.8	15.4	6.6	-2.5	4.6	6.8	9.6	8.4	3.1	2.4
Textile products, apparel.....	1.0	1.4	4.6	9.0	12.4	- .9	7.5	3.8	3.8	5.5	8.8	6.8	2.2
Hides, skins, leather, related products.....	1.3	3.4	15.2	9.0	1.4	2.5	13.0	6.8	11.5	28.2	-1.4	4.8	.4
Fuels, related products, power.....	5.3	7.5	3.8	13.2	55.1	17.7	8.4	15.8	6.7	28.5	40.7	21.0	-4.3
Chemicals, allied products.....	2.3	2.0	-	5.8	33.5	23.5	3.3	3.0	3.1	11.8	17.1	10.5	1.9
Rubber and plastic products.....	2.8	.8	1	2.6	21.2	10.3	6.0	5.3	4.3	11.2	11.9	7.0	4.3
Lumber and wood products.....	-9.3	11.8	13.8	22.8	3.6	-3.6	16.2	14.9	16.8	8.8	-3.8	1.3	-3.2
Pulp, paper and allied products.....	4.0	1.8	3.0	7.7	24.2	12.3	5.3	3.9	4.9	12.0	13.8	9.9	6.0
Metals and metal products.....	7.5	2.1	3.8	7.5	29.4	8.0	5.5	6.7	8.7	14.2	10.5	4.8	.8
Machinery and equipment.....	4.6	3.7	2.1	2.2	14.5	15.8	5.9	6.3	7.9	9.1	12.1	9.8	6.2
Furniture and household durables.....	2.5	2.2	1.4	3.4	11.0	9.2	4.2	4.1	5.9	6.8	9.8	5.8	4.7
Nonmetallic mineral products.....	4.8	8.4	3.0	3.3	17.7	13.8	7.1	7.6	11.1	11.8	13.8	9.4	1.8
Transportation equipment.....	3.6	5.4	3.1	1.2	9.0	12.7	6.8	6.8	7.6	6.4	10.0	13.7	6.5

- Represents zero. ¹Change from 1969. ²Change from June 1981-June 1982.

No. 750. PRODUCER PRICE INDEXES, BY STAGE OF PROCESSING: 1965 TO 1982

[1967 = 100. 1980 excludes Alaska and Hawaii. Minus sign (-) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series E 73-85]

STAGE OF PROCESSING AND COMMODITY	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, June
Crude materials for further processing.....	88.3	112.3	173.9	196.1	196.8	202.7	208.2	234.4	274.3	304.6	323.0	325.7
Foodstuffs and feedstuffs.....	97.1	112.0	179.9	189.4	191.6	190.2	192.1	216.2	247.9	258.2	257.4	259.8
Nonfoods, exc. fuel.....	104.5	109.8	181.5	205.4	188.3	208.7	212.2	233.1	284.5	346.1	413.7	370.0
For manufacturing.....	105.3	109.6	185.4	212.8	199.1	211.6	216.8	236.2	292.7	367.4	426.4	378.9
For construction.....	97.5	113.9	124.9	135.1	161.1	181.2	170.8	185.7	207.0	237.6	281.8	273.7
Fuel.....	93.5	122.6	199.1	219.4	271.6	305.3	372.1	426.8	507.6	615.0	751.2	865.2
Manufacturing industries.....	93.6	116.9	153.2	197.4	252.1	300.1	384.8	459.6	600.5	864.9	1,033.6	
Nonmanufacturing industries.....	93.3	130.2	179.4	248.4	297.2	317.1	370.8	421.1	485.0	567.0	674.0	781.7
Intermediate materials, supplies, components.....	98.8	109.8	131.6	162.8	186.0	198.1	201.5	216.8	243.2	280.3	306.8	319.0
Materials and components for manufacturing.....	97.4	110.0	127.7	162.2	178.7	195.4	195.4	208.7	234.4	265.7	286.1	280.0
Materials for—												
Food manufacturing.....	97.8	112.9	146.0	209.2	209.4	180.0	183.4	206.5	229.4	264.4	260.4	280.9
Non durable manufacturing.....	100.0	103.8	121.2	155.2	174.7	184.2	190.0	196.7	222.8	256.5	265.8	265.8
Durable manufacturing.....	98.8	114.7	133.7	171.7	188.4	201.0	217.6	236.2	270.6	301.0	312.1	307.3
Components for manufacturing.....	93.8	111.1	121.4	139.9	158.3	168.6	178.6	189.6	207.5	231.8	259.3	273.9
Materials and components for construction.....	98.2	112.6	138.7	181.8	178.4	188.4	203.4	224.7	247.4	268.3	287.6	294.2
Processed fuels, lubricants.....	97.4	105.0	131.5	189.1	233.0	250.1	282.5	295.3	364.8	503.0	596.4	581.2
Containers.....	95.8	111.4	129.2	152.2	171.4	180.2	188.3	202.8	228.8	254.5	276.1	286.7
Supplies.....	95.2	106.0	140.6	154.5	168.1	178.0	188.7	198.6	218.2	244.5	263.8	273.6
For manufacturing industries.....	95.9	110.0	121.1	141.7	157.9	186.5	177.0	189.3	207.5	231.9	253.1	267.3
For nonmanufacturing industries.....	95.0	107.2	150.7	161.1	173.4	185.5	194.8	203.3	223.8	251.1	299.6	277.1
Finished goods.....	95.7	110.3	127.8	147.5	163.3	170.6	181.7	197.7	217.7	247.8	289.8	279.3
Consumer goods.....	96.1	109.9	129.2	149.3	163.6	180.7	180.7	194.9	217.9	248.9	271.3	280.0
Food.....	95.4	113.5	148.4	186.9	181.0	180.4	189.9	207.2	226.2	239.5	253.6	263.4
Crude foods.....	96.6	116.3	160.2	180.8	181.2	183.9	201.0	216.8	233.1	237.2	263.8	254.3
Processed foods.....	94.9	113.1	143.8	164.6	181.3	177.8	187.3	204.6	223.8	237.8	260.6	262.0
Other nondurable goods.....	95.9	106.3	120.5	146.8	163.0	174.6	189.3	200.0	231.3	263.9	319.6	328.1
Durable goods.....	97.9	106.9	115.8	126.3	138.2	144.5	152.8	166.9	183.2	199.1	216.6	226.2
Capital equipment.....	94.4	112.0	123.5	141.0	162.5	173.4	184.6	198.2	216.5	238.8	264.3	279.8
ANNUAL PERCENT CHANGE¹												
Crude materials for further processing.....	5.1	3.8	15.7	12.8	.4	2.9	3.2	12.8	17.8	11.8	6.6	-2.9
Foodstuffs and feedstuffs.....	6.9	2.5	17.1	5.3	1.3	- .5	1.0	12.5	14.7	4.6	- .7	-1.7
Fuel.....	.8	15.0	10.3	33.4	23.7	12.4	21.9	14.7	18.9	21.2	22.1	16.6
Intermediate materials, supplies, components.....	1.4	3.9	6.2	25.8	16.5	6.1	6.8	7.9	12.8	16.3	8.2	.9
Materials and components for—												
Manufacturing.....	1.8	4.0	5.1	27.0	10.2	3.7	5.4	6.8	12.3	13.4	7.7	1.6
Construction.....	.8	1.8	6.7	18.2	9.2	6.6	8.0	10.5	10.1	8.4	7.2	1.8
Processed fuels, lubricants.....	1.5	6.8	7.8	61.4	17.0	7.3	13.0	4.5	23.5	37.9	18.4	4.0
Finished goods.....	1.7	3.5	5.1	15.3	10.8	4.4	6.5	7.8	11.1	13.5	9.3	3.5
Consumer goods.....	1.9	3.1	5.5	15.6	6.6	3.7	6.5	7.9	11.8	14.2	9.0	2.8
Capital equipment.....	1.2	4.8	3.3	14.2	15.2	6.7	6.5	7.9	8.7	10.8	10.2	6.0

¹For 1965, base year for percent change is 1964; for 1970, base year is 1969; thereafter change from prior year shown, except as noted. For 1982, change from June 1981-June 1982.

Source of tables 749 and 750: Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly and annual.

No. 761. PRODUCER PRICE INDEXES, BY COMMODITIES: 1965 TO 1982

(1967=100, except as noted. See text, p. 461 and *Historical Statistics, Colonial Times to 1970*, series E 23-29)

COMMODITY GROUP	1966	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, June
All commodities ¹	99.8	110.4	134.7	166.1	174.9	183.0	194.2	209.3	235.8	269.8	293.4	299.4
Farm products and processed foods and feeds	97.1	111.7	139.1	177.4	184.2	183.1	189.8	206.6	229.8	244.7	251.6	255.3
Farm products ¹	99.7	111.8	178.3	187.7	188.7	191.6	192.6	212.6	241.4	246.4	254.8	259.7
Fresh and dried fruits, vegetables	100.2	111.8	186.1	182.3	183.7	178.4	192.2	218.5	229.0	238.6	257.3	263.9
Grains	97.2	99.9	183.6	257.9	229.9	205.9	185.0	182.5	214.8	239.0	248.4	225.7
Livestock	99.4	118.7	190.4	170.8	187.9	173.3	173.0	220.1	260.3	252.7	248.0	277.5
Live poultry	105.6	99.8	179.5	157.4	189.6	189.9	175.4	199.8	194.3	202.1	201.2	207.2
Plant and animal fibers	129.4	90.2	197.8	183.9	153.1	233.9	202.3	183.4	209.9	271.1	242.0	203.1
Fluid milk	84.9	115.3	145.0	172.8	180.2	201.2	202.8	219.7	250.1	271.2	287.4	278.9
Eggs	110.9	126.8	165.7	180.6	159.8	179.1	182.0	156.6	176.5	171.0	187.1	159.3
Hay, hayseeds, and oilseeds	97.8	99.4	220.1	226.8	200.2	210.4	234.2	215.8	244.3	247.1	274.1	219.3
Processed foods and feeds	95.6	112.1	148.1	176.9	182.6	176.9	188.1	202.8	222.5	241.2	248.7	251.1
Cereal and bakery products	93.1	107.7	134.4	171.2	178.0	172.1	173.4	180.3	210.3	236.0	256.5	253.3
Meats, poultry, and fish	98.2	115.8	167.5	183.5	191.0	181.8	182.0	217.1	242.0	243.1	246.2	271.1
Dairy products	88.0	111.2	131.1	146.4	155.8	168.5	173.4	188.4	211.2	230.6	245.6	248.7
Processed fruits and vegetables	95.2	110.6	129.6	154.6	169.6	170.2	187.4	202.6	221.9	228.7	261.2	275.4
Sugar and confectionery	96.5	115.8	132.3	258.9	254.3	190.9	177.4	197.8	214.7	322.5	275.9	251.1
Beverages and beverage materials	99.2	113.0	121.7	140.7	162.4	173.5	201.0	200.0	210.7	233.0	248.0	256.5
Animal fats and oils	136.0	140.4	230.4	327.7	341.8	210.2	267.0	291.2	320.6	279.2	299.1	324.9
Crude vegetable oils	112.5	121.0	174.8	291.1	208.1	182.5	197.5	219.2	243.7	202.8	185.4	188.1
Refined vegetable oils	106.1	119.2	154.5	265.8	213.2	187.5	199.9	226.8	231.6	179.8	201.5	175.9
Vegetable oil end products	99.2	111.9	143.6	224.8	211.5	174.2	189.1	209.4	223.5	232.2	238.0	238.8
Miscellaneous processed foods	100.9	113.1	123.3	158.8	178.4	174.7	180.0	199.0	216.5	227.2	250.1	248.6
Manufactured animal feeds	94.9	103.7	198.7	184.1	172.1	194.4	204.6	197.4	219.4	226.8	230.2	218.4
Industrial commodities	96.4	116.0	126.8	163.6	171.6	182.4	196.1	209.4	236.6	274.8	304.1	319.7
Textile products and apparel	99.8	107.1	123.8	139.1	137.8	148.2	164.8	189.6	199.7	193.5	199.7	204.6
Synthetic fibers ¹						102.4	107.3	109.6	119.0	134.7	158.3	163.6
Processed yarns, threads ¹						99.6	100.9	102.4	109.2	122.5	138.0	139.4
Gray fabrics ¹						106.1	104.7	116.6	127.1		146.8	146.8
Finished fabrics ¹						101.1	103.7	103.8	107.4	115.7	125.2	124.0
Apparel	97.1	110.8	119.0	129.5	133.4	139.9	147.3	152.4	160.4	172.4	186.0	193.0
Textile furnishings	97.3	103.5	113.3	143.1	151.9	159.3	171.3	178.6	180.4	206.9	226.7	244.4
Hides, skins, leather, related products ¹	94.3	118.3	143.1	146.1	148.5	167.8	179.3	200.0	253.4	248.9	280.9	283.7
Hides and skins	116.0	104.2	253.9	195.9	174.5	258.4	286.7	390.5	536.4	370.9	(NA)	(NA)
Leather	96.0	107.7	180.1	154.3	151.5	189.1	201.0	236.8	356.7	310.6	319.5	306.7
Footwear	90.7	113.3	130.5	140.0	147.8	159.9	166.7	183.0	218.0	233.1	240.9	243.8
Fuels, related products, power	95.6	109.2	134.3	208.3	246.1	284.6	302.2	322.6	406.1	574.0	694.6	677.4
Coal	93.4	150.3	218.1	332.4	365.8	366.7	399.4	430.0	450.9	487.3	497.2	534.1
Coal (foundry byproduct)	95.8	127.4	166.6	247.7	330.6	346.6	379.4	411.8	429.2	430.6	456.4	462.7
Gas fuels	92.8	103.6	126.7	182.2	216.7	266.6	397.6	429.7	544.1	760.7	939.4	1029.7
Electric power	100.1	105.9	129.3	163.1	193.4	207.6	232.9	250.6	270.2	321.6	367.2	406.6
Crude petroleum, domestic	98.2	106.1	126.0	211.6	245.7	258.6	274.2	300.1	378.5	556.4	803.5	718.5
Petroleum products, refined	95.8	101.0	126.7	223.4	257.5	276.6	308.2	321.0	444.8	674.7	905.9	738.5
Chemicals and allied products ¹	99.0	102.2	110.0	148.8	181.3	187.2	192.8	198.8	222.3	280.3	287.8	293.6
Industrial chemicals	97.5	100.9	103.4	151.7	206.9	219.3	223.9	225.6	264.0	324.0	363.3	352.9
Prepared paint	96.4	112.4	122.2	145.7	166.9	174.4	182.4	192.3	204.4	235.3	249.6	265.1
Paint materials	98.8	101.4	113.2	152.3	177.2	189.8	205.9	212.7	241.2	273.9	300.1	304.2
Drugs and pharmaceuticals	100.4	101.2	104.3	112.7	126.6	134.0	140.5	148.1	159.4	174.5	193.5	208.6
Fats and oils, inedible	136.6	132.9	226.3	336.2	255.2	249.9	279.0	315.8	378.6	298.0	296.6	287.5
Agricultural chemicals and products	99.3	99.5	96.6	137.7	203.6	189.3	187.6	198.4	214.4	257.1	285.0	294.0
Plastic resins and materials	99.3	99.6	92.1	143.8	180.9	194.0	197.5	199.8	236.9	279.2	289.2	281.9
Rubber and plastic products ¹	96.9	106.3	112.4	136.2	180.2	186.2	187.8	174.6	194.3	217.4	232.6	243.3
Crude rubber	106.6	101.8	111.9	139.4		161.0	171.7	187.2	221.4	264.3	281.8	282.4
Tires and tubes	93.8	109.0	111.4	133.4	146.5	161.5	169.6	179.2	206.9	238.9	250.8	256.3
Miscellaneous rubber products	94.5	113.3	124.8	140.8	155.9	163.9	176.8	189.6	208.4	226.6	251.4	266.4
Plastic construction products ¹	(NA)	97.2	94.1	118.9	123.9	127.2	133.2	136.4	147.5	154.2	154.8	148.6
Laminated plastic sheets, high pressure ¹	(NA)	(NA)	97.8	118.3	124.6	131.1	141.1	146.4	158.6	173.7		186.4
Lumber and wood products	96.9	112.8	177.2	183.6	176.9	206.6	236.3	276.0	306.4	388.8	292.6	296.7
Lumber	94.0	113.7	206.2	207.1	192.5	233.0	276.5	322.4	354.3	325.6	325.1	315.2
Millwork	98.0	116.0	144.2	157.1	180.4	176.9	183.7	235.4	254.3	260.4	273.4	280.1
Plywood	103.5	108.4	155.2	161.1	161.2	187.0	212.2	235.6	250.5	246.5	245.7	238.9
Other wood products	(NA)	117.3	149.7	166.8	181.9	186.2	184.3	211.8	235.4	249.2	239.1	237.1
Pulp, paper, and allied products	96.2	106.2	122.1	161.7	176.4	178.4	188.4	196.8	219.0	346.2	273.8	289.3
Pulp, paper, and products, etc.												
building paper and board	98.2	108.5	122.5	152.8	171.9	180.8	197.3	196.6	220.2	250.6	270.8	274.6
Woodpulp	100.1	109.6	129.3	217.8	263.4	266.0	281.1	266.5	314.3	380.3	387.1	380.3
Waste paper	127.3	125.0	197.4	266.5	110.2	184.9	187.2	191.2	206.6	208.7	175.7	115.2
Paper	94.6	111.0	121.4	148.6	172.9	182.3	194.3	206.1	229.6	256.8	279.8	288.2
Paperboard	101.5	101.1	115.1	152.2	170.3	176.0	178.2	179.6	202.1	234.6	256.1	256.9
Converted paper and paperboard products	94.7	107.8	121.6	144.9	181.8	170.0	176.6	186.5	209.9	238.5	258.8	285.0
Building paper and board	100.9	101.0	112.8	123.5	127.1	138.7	167.0	187.4	182.4	208.2	231.7	239.4

See footnotes at end of table.

No. 751. PRODUCER PRICE INDEXES, BY COMMODITIES: 1965 TO 1982—Continued

[1967=100, except as noted. See headnote, p. 456]

COMMODITY GROUP	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, June
Metals and metal products	96.4	116.6	132.5	171.9	185.6	185.9	209.0	227.1	288.3	286.4	300.4	300.1
Iron and steel	97.9	115.1	136.2	178.6	200.9	215.9	230.4	253.8	283.5	305.2	333.8	338.3
Steel mill products	97.5	114.2	134.1	170.0	197.2	208.8	229.9	254.5	280.4	302.7	337.6	349.9
Nonferrous metals	95.3	124.7	135.1	187.1	171.6	181.6	195.4	207.8	216.7	305.0	285.6	283.7
Metal containers	98.2	112.6	134.7	184.7	192.1	202.2	216.2	243.4	269.2	298.6	315.6	330.2
Hardware	93.1	111.5	124.7	140.7	163.0	173.1	185.4	200.4	218.7	240.5	263.2	277.9
Plumbing fixtures, brass fittings	93.3	111.2	125.8	149.1	162.3	174.1	186.6	199.1	217.1	246.7	267.5	282.5
Heating equipment	98.9	110.6	120.4	135.0	150.7	158.0	165.5	174.4	187.1	206.7	224.2	238.6
Fabricated structural metal products	96.1	112.0	127.4	161.2	189.0	193.8	206.7	228.4	248.9	270.5	295.5	305.2
Miscellaneous metal products	96.0	114.3	129.5	157.3	181.1	186.9	196.2	212.0	231.4	250.5	270.5	289.5
Machinery and equipment	93.9	111.4	121.7	139.4	161.4	171.0	181.7	196.1	213.9	239.8	263.3	278.4
Agricultural	94.0	113.2	125.9	143.8	168.6	183.0	197.9	213.1	232.1	259.2	288.3	306.8
Construction	93.6	115.9	130.7	152.3	185.2	198.9	213.5	232.9	256.2	289.4	320.8	343.7
Metalworking	91.8	114.1	125.5	148.9	171.6	187.2	198.5	217.8	241.3	274.4	301.3	320.8
General purpose	92.5	113.7	127.0	151.2	178.5	189.8	201.8	216.6	236.4	264.6	288.7	303.1
Special industry	92.5	115.7	136.1	151.0	175.0	188.4	202.7	223.0	247.0	275.8	307.9	324.7
Electrical	95.1	106.4	112.4	125.0	140.7	148.7	154.1	164.9	178.9	201.7	220.2	231.9
Miscellaneous	96.2	112.8	124.0	139.5	162.3	171.9	180.7	194.7	208.9	229.9	252.6	266.0
Furniture and household durables¹	96.9	107.5	115.2	127.9	139.7	171.8	161.5	166.4	171.3	187.7	196.5	206.6
Household furniture	94.1	111.7	123.0	136.6	146.3	153.8	162.2	173.5	186.3	204.8	219.2	231.1
Commercial furniture	93.3	114.5	129.4	152.4	166.7	173.5	185.9	201.5	221.8	238.0	257.5	276.2
Floor coverings	104.5	99.4	102.2	115.4	124.9	131.4	136.4	141.6	147.9	163.0	176.7	180.7
Household appliances	96.9	105.3	108.5	117.9	132.3	139.2	145.1	153.0	160.9	174.2	187.3	198.5
Home electronic equipment	103.1	93.3	91.9	93.1	93.5	91.3	87.7	90.2	91.1	91.4	89.2	88.2
Nonmetallic mineral products²	97.5	112.9	130.2	153.2	174.0	186.3	200.6	222.8	248.6	283.0	308.5	318.7
Flat glass	96.2	115.6	121.4	128.8	139.2	150.0	160.6	172.6	183.9	196.5	212.6	218.2
Concrete ingredients	97.5	112.6	131.2	148.7	172.3	186.7	199.0	217.7	244.0	274.0	296.3	310.9
Concrete products	96.3	112.2	131.7	151.7	170.5	180.1	191.6	214.0	244.1	273.9	291.2	297.9
Structural clay products	96.6	109.9	123.3	135.2	151.2	163.5	178.8	197.2	217.9	231.5	249.6	258.4
Refractories	96.1	120.9	136.3	143.5	166.0	184.0	199.5	216.5	236.5	264.6	302.4	340.9
Asphalt roofing	96.7	102.7	135.5	196.0	225.9	238.3	253.0	292.0	325.3	396.8	407.5	388.8
Gypsum products	101.2	99.7	120.9	137.6	144.0	154.4	163.5	229.1	252.3	256.3	256.2	258.4
Glass containers	97.0	120.4	139.9	155.5	179.7	195.4	214.2	244.4	261.1	292.7	328.7	357.4
Transportation equipment^{3,4}	(NA)	104.6	115.1	125.5	141.5	151.1	161.3	173.5	188.1	207.0	235.4	248.6
Motor vehicles and equipment	98.5	108.7	119.2	129.2	144.8	153.8	163.7	176.0	190.5	208.8	237.6	251.5
Motor vehicles	98.6	107.3	118.7	125.5	137.5	146.4	155.7	167.7	181.6	197.7	216.6	228.1
Railroad equipment	97.4	115.1	134.7	163.8	201.2	216.7	233.5	252.8	277.3	313.1	336.1	348.6
Miscellaneous products^{1,5}	95.8	109.6	119.7	133.1	147.7	216.7	233.5	252.8	268.7	288.8	265.7	271.6
Toys, sporting goods, small arms, etc.	97.1	109.3	117.9	132.3	146.0	150.0	155.2	163.2	176.2	198.6	211.9	222.9
Tobacco products	94.1	113.8	121.9	132.8	149.6	163.0	178.8	198.5	217.8	245.7	268.3	306.7
Notions	97.8	106.4	114.3	137.4	151.0	162.3	172.4	182.0	191.8	217.2	258.6	260.3
Photographic equipment and supplies	98.2	104.9	108.4	116.8	130.6	136.2	139.9	145.7	153.7	202.9	210.0	210.8

NA Not available. ¹Includes other product groups, not shown separately. ²Dec. 1975=100. ³Dec. 1969=100. ⁴Dec. 1970=100. ⁵Dec. 1969=100.

Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly and annual.

No. 752. INDEXES OF SPOT PRIMARY MARKET PRICES: 1970 TO 1982

[1967=100. Index computed weekly, 1970-81; daily, beginning April 27, 1982. Represents unweighted geometric average of price quotations of 22 commodities. This index is much more sensitive to changes in market conditions than is a monthly producer price index]

ITEM AND NUMBER OF COMMODITIES	1970 (5-10)	1973 (5-12)	1974 (5-11)	1975 (5-24)	1976 (5-29)	1977 (5-28)	1978 (5-27)	1979 (5-26)	1980 (5-24)	1981	1982 (5-25)
All commodities (22)	113.6	171.3	221.5	189.9	210.9	206.7	230.0	251.3	286.1	267.9	247.6
Foodstuffs (9)	112.2	172.7	211.5	215.3	213.7	210.6	236.1	265.1	260.9	244.2	252.8
Raw materials (13)	114.4	170.2	226.5	174.1	206.9	204.0	224.4	293.0	286.0	265.4	243.9
Livestock and products (5)	123.8	222.6	190.1	240.8	224.4	234.6	278.0	336.3	250.5	265.2	312.1
Metals (5)	125.2	145.6	261.4	186.8	215.4	203.0	220.6	332.8	257.9	267.3	216.2
Textiles and fibers (4)	99.9	159.1	189.9	158.8	181.4	170.1	173.6	182.2	234.7	243.0	206.6
Fats and oils (4)	126.6	187.9	224.3	213.6	206.3	236.7	253.5	289.4	229.5	266.7	255.7

Source: 1970-1981, U.S. Bureau of Labor Statistics, *Weekly Spot Market Price Indexes and Prices*, weekly and monthly, thereafter, Commodity Research Bureau, Inc., New York, N.Y., *CRB Commodity Index Report*, weekly (Copyright).

No. 753. PRODUCER PRICES OF SELECTED COMMODITIES: 1970 TO 1981

[In dollars per unit. Annual averages of monthly figures. See *Historical Statistics, Colonial Times to 1970*, series E 123-134, for selected items]

COMMODITY	Unit	1970	1974	1975	1976	1977	1979	1979	1980	1981, Jan.- May, avg.
Farm products:										
Wheat, hard winter, No. 1, K.C.....	Bu.....	1.46	4.88	3.81	3.34	2.53	3.17	3.96	4.30	4.40
Steers, choice.....	100 lb.....	30.04	42.24	44.36	39.27	40.28	52.28	67.69	67.20	63.83
Cotton, raw.....	Lb.....	.25	.58	.45	.88	.61	.58	1.63	.82	.81
Wool, combing and staple.....	Lb.....	1.03	1.78	1.49	1.82	1.83	1.90	2.16	(NA)	2.47
Eggs, large.....	Doz.....	.43	.63	.62	.70	.63	.62	.69	.67	.71
Corn, No. 2 yellow, Chicago.....	Bu.....	1.37	3.22	2.90	2.70	2.21	2.56	2.91	3.32	3.48
Sugar, raw cane.....	100 lb.....	8.09	29.04	23.00	13.49	10.69	13.84	15.27	30.06	23.28
Processed foods:										
Flour, Kansas City.....	100 lb.....	5.57	11.06	9.37	8.31	6.23	7.48	9.27	10.06	10.44
Sugar, granulated (excl. excise tax).....	5 lb.....	(NA)	1.67	1.67	1.03	.92	1.09	1.17	2.16	1.90
Coffee, tin.....	Lb.....	.95	1.21	1.30	2.01	3.52	2.89	2.78	2.93	2.53
Lard, 1 and 2 lb. prints.....	Lb.....	.17	.35	.36	.24	.24	.34	.40	.37	(NA)
Beef, choice.....	100 lb.....	48.93	68.55	74.93	63.98	65.03	83.12	103.01	106.79	(NA)
Lamb, choice.....	100 lb.....	(NA)	82.56	84.45	102.15	107.29	126.05	133.53	133.30	(NA)
Shrimp, fresh processed.....	Lb.....	(NA)	2.27	2.69	3.63	3.40	3.61	5.16	4.53	(NA)
Salmon, No. 1, tall can.....	Case/48.....	(NA)	(NA)	69.92	69.00	66.50	65.17	67.59	77.74	86.00
Haddock, unprocessed.....	100 lb.....	(NA)	50.58	54.46	58.79	66.79	57.33	64.66	66.27	84.60
Textile products:										
Polyester/cotton yarns, 18's.....	Lb.....	(NA)	(NA)	(NA)	1.40	1.40	1.39	1.41	1.74	1.81
Polyester twill, textured.....	Yd.....	(NA)	(NA)	(NA)	1.78	1.42	1.46	1.39	1.40	1.73
Hides, leather, and shoes:										
Cattlehides, packer, heavy native ¹	Lb.....	.13	.24	.23	.34	.37	.47	.73	.46	(NA)
Lamb garment leather.....	Sq. ft.....	.39	.72	.72	1.78	.92	1.05	1.40	1.18	1.14
Oxfords, Goodyear leather upper, sole.....	Pair.....	13.49	16.12	16.84	17.93	19.00	20.77	25.85	(NA)	(NA)
Fuels, related products, power:										
Elec. Power, E. No. Cen.....	200,000 kWh.....	(NA)	4,361	5,281	5,675	6,276	6,989	7,661	8,834	8,777
Gasoline, unleaded ⁴	Gal.....	(NA)	(NA)	(NA)	(NA)	(NA)	.47	.64	.96	1.10
Gasoline, regular ⁴	Gal.....	(NA)	(NA)	.35	.39	.42	.44	.60	.93	1.06
Gasoline, premium ⁴	Gal.....	(NA)	(NA)	(NA)	.42	.45	.48	.65	.99	1.12
Distillate fuel oil, No. 2, to resellers.....	Gal.....	(NA)	(NA)	.29	.31	.38	.37	.53	.78	.96
Chemicals and allied products:										
Aspirin.....	Lb.....	.58	.82	1.00	1.06	1.14	1.20	1.28	1.43	1.63
Paint, outside.....	Gal.....	5.67	8.04	9.56	9.41	9.47	9.91	10.61	12.22	13.41
Paint, inside, latex.....	Gal.....	(NA)	5.93	6.57	6.82	7.19	7.61	7.88	8.99	10.96
Rubber and rubber products:										
Natural rubber, No. 1 ribbed ⁵	Lb.....	.21	.40	.30	.40	.42	.50	.64	.73	.64
Synthetic rubber, neoprene, GN type.....	Lb.....	.43	.52	.64	.69	.70	.77	.82	.97	1.08
Lumber and wood products:										
Softwood plywood, interior.....	1,000 sq. ft.....	(NA)	126	139	145	163	192	201	191	(NA)
Redwood boards, clear, f.g. dry.....	M. bd. ft.....	(NA)	494	506	505	603	605	979	1,036	(NA)
Maple, No. 1, common.....	M. bd. ft.....	(NA)	234	230	230	274	308	351	354	(NA)
Southern pine, finish, C and better.....	M. bd. ft.....	(NA)	319	317	342	396	499	547	564	(NA)
Pulp, paper, and allied products:										
Woodpulp, sulphate, bleached ⁶	Ton.....	131	263	336	338	331	307	368	452	476
Book paper, No. 3 uncoated.....	100 lb.....	21.57	23.59	24.25	25.26	26.66	29.58	33.63	37.53	39.32
Liner, 100 lb. test.....	1,000 sq. ft.....	2.55	3.65	4.32	4.39	4.29	4.31	4.94	5.81	6.30
Toilet tissue.....	Case.....	9.07	12.20	15.62	16.86	18.20	19.52	21.78	25.00	24.25
Metal and metal products:										
Iron ore, Mesabi.....	Long ton.....	10.78	13.90	17.83	19.38	20.95	21.55	22.43	26.56	26.50
Iron and steel scrap, No. 1 heavy melting ⁷	Long ton.....	42.04	104.17	70.92	79.13	66.96	78.29	101.48	96.17	106.20
Steel rails, standard ⁸	100 lb.....	6.80	10.53	12.72	14.17	15.17	16.90	18.80	21.35	23.18
Domestic copper, cathode.....	Lb.....	(NA)	.77	.64	.69	.86	(NA)	.91	(NA)	(NA)
Red brass ingot.....	Lb.....	.56	.84	.65	.70	.70	.73	.93	1.07	(NA)
Aluminum sheet.....	Lb.....	(NA)	.86	1.00	1.07	1.17	1.40	1.71	1.78	1.88
Nails, wire, 6d, common.....	50 lb.....	(NA)	9.15	10.67	10.74	11.52	12.06	13.16	14.63	15.37
Nonmetallic mineral products:										
Brick, building.....	1,000.....	(NA)	49.94	56.09	62.76	72.32	82.68	92.60	99.04	103.97
Glass, window, single B.....	50 sq. ft.....	6.60	9.04	8.93	9.02	9.76	10.64	(NA)	12.16	(NA)
Shingles, asphalt roofing, strip.....	Square.....	(NA)	11.56	13.24	14.04	14.95	17.52	19.20	22.66	20.40
Miscellaneous:										
Cigarettes, filter tip, king size ⁹	1,000.....	5.86	6.86	7.75	8.45	9.42	10.43	11.44	12.93	13.76
Soybean meal.....	Ton.....	79.08	142.42	123.65	161.54	190.58	172.54	(NA)	(NA)	(NA)

NA Not available. ¹10-month average. ²11-month average. ³Steer. ⁴Dealer tankwagon. ⁵Smoked sheets. ⁶Softwood. ⁷Consumers' buying price, including brokerage, delivered, Pittsburgh district. ⁸Standard, carbon steel, No. 1 open hearth, 115 lb. per linear yard, control cooled, f.o.b. mill. ⁹Excludes excise tax.

Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly and annual.

**NO. 754. AVERAGE PRICES (UNIT VALUES)—SELECTED COMMODITIES EXPORTED AND IMPORTED:
1970 TO 1981**

[In dollars per unit. Includes trade of Puerto Rico with foreign countries. Unit values obtained by dividing annual values of domestic exports and imports by annual quantities. Values of goods exported represent those at port of export. For 1970, values of goods imported represent market values in country from which imported; thereafter, transaction values (i.e., free alongside ship) at port of export. Unit values may show actual price movements only roughly for commodities subject to considerable price variations among different grades, methods of packing, etc., and to year-to-year variations in proportions of grades, etc. Unit values of agricultural exports also include effects of Commodity Credit Corporation sales for export.]

COMMODITY	Unit	1970	1975	1976	1977	1978	1979	1980	1981
EXPORTS									
Wheat	Bushel	1.58	4.54	3.88	3.08	3.46	■	4.85	4.88
Milled rice, less than 75% broken	Lb	.079	.108	.127	.140	.181	.180	.197	.240
Corn	Bushel	1.45	3.38	2.88	2.58	2.84	2.98	3.41	3.88
Grain sorghums	Bushel	1.32	3.05	2.82	2.51	2.80	2.87	3.34	3.85
Wheat flour	100 lb	3.85	10.34	9.97	■	8.83	11.01	12.17	12.75
Leaf tobacco, flue-cured, unstemmed	Lb	.921	1.48	1.58	1.68	1.87	2.08	2.11	2.40
Cigarettes	1,000	5.45	7.38	8.30	9.20	10.08	11.40	12.87	14.88
Soybeans	Bushel	2.80	8.24	5.89	■	8.08	7.43	7.36	7.71
Synthetic rubber, "A" type ¹	Lb	177	283	.307	.364	.377	418	.402	.473
Woodpulp, special alpha and dissolving grades	Sh. ton	187.40	298.97	■	397.74	402.44	448.78	511.57	534.95
Cotton, upland, staple 1" to 1 1/8"	Lb	.259	.542	.648	.704	.298	.870	.706	.806
Cotton, upland, staple, 1 1/8" and over	Lb	.308	.801	.885	.757	.321	.754	.817	.872
Bituminous coal	Sh. ton	13.40	49.23	48.58	■	50.32	51.37	40.37	52.87
Steel scrap, No. 1, heavy melting	Sh. ton	43.37	84.53	72.85	61.19	74.50	100.05	102.20	87.84
Tallow, inedible	Lb	.087	.182	.189	.187	■	.245	.218	.213
Soybean oil, crude	Lb	.122	.332	.207	■	.288	.281	.288	.240
Carbon steel sheets, cold rolled	Lb	.077	.175	.138	.121	.180	.170	.184	.227
Polyethylene resin	Lb	.134	.257	.288	.271	.282	.388	.423	.401
Styrene, polymer, and copolymer resins	Lb	.193	.343	.339	.372	.452	.501	.578	■
Container board liners	Lb	.082	.128	.120	.111	.112	.132	.158	.167
Nylon yarn, incl. monofilaments	Lb	.953	1.15	1.17	1.18	■	1.43	1.41	1.57
Carbon black, furnace	Lb	.090	.187	.218	.284	.284	■	.331	.418
Copper, refined, crude forms	Lb	.871	.854	.701	.885	■	.790	.874	.806
Aluminum metal and alloys	Lb	.283	.381	.388	.483	.531	.658	.807	.822
IMPORTS									
Canned beef	Lb	.425	.724	.744	.754	.788	1.11	1.44	1.45
Cashew nuts	Lb	.599	.848	.898	1.37	1.34	1.48	2.02	2.30
Raw sugar	Lb	.070	.245	.125	.082	.085	.101	.223	.212
Coffee (Brazil)	Lb	.474	.879	1.21	1.82	1.81	1.55	1.87	1.56
Coffee (Colombia)	Lb	.535	.883	1.07	2.00	1.83	1.53	1.70	1.37
Cocoa (cacao beans, Africa)	Lb	.352	.870	.817	.975	1.37	1.57	1.28	.854
Tee (Sri Lanka)	Lb	.380	.582	.534	1.08	.871	.841	.858	.814
Whisky, containers of 1 gal. or less (U.K.)	Proof gal	7.48	8.22	8.37	8.31	10.18	11.17	13.58	18.25
Whisky, containers of 1 gal. or less (Canada)	Proof gal	6.70	7.80	7.45	8.14	8.88	8.71	9.98	11.88
Cigarette leaf, unstemmed	Lb	.588	1.03	1.31	1.20	1.19	1.24	1.27	1.24
Goat and kid skins, dry	Lb	1.05	1.28	2.04	1.22	2.56	2.83	5.10	2.51
Crude rubber, except milk	Lb	.188	.238	.321	.380	.403	.528	.588	.512
Sawed lumber fir	Mil. bd. ft.	71.13	137.84	170.17	194.83	218.29	253.50	255.12	195.40
Sawed lumber, spruce	Mil. bd. ft.	73.98	132.55	160.11	178.27	206.27	222.58	192.25	187.26
Woodpulp, sulphite, bleached, etc. rayon and special chemical grades	Sh. ton	142.80	323.72	311.92	304.01	298.12	383.72	443.79	484.80
Woodpulp, sulphite, bleached	Sh. ton	143.88	■	350.47	332.81	287.80	348.41	431.74	419.30
Apparel wool, 80's and finer ²	Lb	.879	1.58	1.51	1.58	1.88	1.80	1.70	1.88
Iron ore (Canada)	Ton	12.42	22.15	25.12	27.48	28.89	30.18	33.81	37.72
Iron ore (Venezuela)	Ton	8.39	15.84	16.87	19.27	17.85	19.21	22.48	27.78
Manganese ore, metallurgical grade ³	Lb	■	.050	.057	.062	.058	.055	.089	.070
Bauxite, crude	Ton	10.91	20.67	24.16	25.73	27.74	26.78	27.81	28.81
Copper ores and concentrates ³	Lb	.817	.588	.646	.588	.581	.800	.700	.728
Crude petroleum ⁴ (Venezuela)	Bbl	2.30	11.88	12.35	13.04	12.81	17.18	27.84	33.54
Newspaper	Sh. ton	140.11	244.10	285.23	285.37	280.80	321.50	388.98	411.50
Jute burlap	Lb	.230	.294	.241	■	.288	.360	.379	.378
Concrete reinforcement bars	Lb	.051	.082	.076	.080	.088	.140	.150	.148
Steel tubes and pipes, at least .085" thick, 1/2" diameter	Lb	.075	.208	.134	.140	.138	.204	.233	.300
Copper, refined (Chile) ⁵	Lb	.830	.591	.583	.578	.578	.848	.985	.788
Nickel in pigs, ingots, shot, etc.	Lb	1.30	1.88	2.07	2.15	1.93	2.34	3.17	3.08
Tin bars, blocks, pigs, etc. (Malaysia)	Lb	1.88	3.35	3.31	4.37	5.52	6.85	7.75	8.87

NA Not available. ¹Excludes latex (liquid). ²Clean content. ³Metal content. ⁴Testing 25° API or more.

Source: U.S. Bureau of the Census, *U.S. Exports, Schedule B Commodity, By Country, Report FT 448, annual*; and *U.S. Imports for Consumption and General Imports, TSUSA Commodity by Country, Report FT 248, annual*.

NO. 755. IMPORT PRICE INDEXES—SELECTED COMMODITIES: 1978 TO 1982

[Index values are given for the June quarter of each year. Indexes are weighted by the 1980 Tariff Schedule of the United States Annotated, a scheme for describing and reporting product composition and value of U.S. imports. Import prices are based on U.S. dollar prices paid by importer. Prices are f.o.b. (free on board) foreign port or c.i.f. (cost, insurance and freight) U.S. port transaction prices, as indicated]

COMMODITY	Unit	1978	1979	1980	1981	1982
All commodities ¹	Sept. 1981 = 100	(NA)	(NA)	(NA)	(NA)	99.3
Food	Sept. 1977 = 100	90.8	100.8	104.4	97.8	91.6
Meat	June 1977 = 100	126.2	160.0	139.4	142.4	141.5
Fish	June 1977 = 100	101.8	121.8	124.4	134.8	135.8
Grain and grain preparations	Sept. 1977 = 100	106.0	118.0	131.1	138.1	137.3
Fruits and vegetables	June 1977 = 100	89.9	92.1	100.2	126.5	111.9
Sugar, sugar preparations and honey	March 1982 = 100	(NA)	(NA)	(NA)	(NA)	82.7
Coffee, tea, cocoa	June 1977 = 100	71.2	72.0	67.9	47.6	50.1
Beverages and tobacco	June 1977 = 100	109.9	121.0	136.3	147.7	153.3
Cork and wood	Sept. 1981 = 100	(NA)	(NA)	(NA)	(NA)	95.7
Wood pulp	Dec. 1981 = 100	(NA)	(NA)	(NA)	(NA)	96.0
Crude petroleum	June 1977 = 100	101.1	135.2	244.0	267.6	254.8
Intermediate manufactured products	Dec. 1977 = 100	107.9	125.5	141.9	143.4	138.1
Leather and furskins	June 1977 = 100	109.0	145.9	141.6	139.2	135.7
Rubber manufactures	June 1977 = 100	106.8	118.8	138.3	147.1	148.7
Cork and wood manufactures	June 1977 = 100	109.2	126.0	130.1	134.9	126.9
Paper and paperboard	June 1977 = 100	106.2	115.2	132.6	141.8	151.1
Textile fabrics	June 1977 = 100	109.0	118.9	132.8	135.5	131.0
Iron and steel	Sept. 1978 = 100	(NA)	110.3	119.4	130.6	128.1
Non-ferrous metals	Dec. 1981 = 100	(NA)	(NA)	(NA)	(NA)	87.4
Metal manufactures, n.e.s. ²	June 1977 = 100	108.9	118.8	123.9	127.7	125.4
Plumbing, heating and lighting fixtures	June 1980 = 100	(NA)	(NA)	100.0	101.8	104.5
Furniture and parts	June 1980 = 100	(NA)	(NA)	100.0	98.4	101.1
Clothing	Sept. 1977 = 100	103.0	112.2	118.4	125.3	128.7
Professional, scientific and controlling instruments and apparatus	Dec. 1979 = 100	(NA)	(NA)	104.6	105.4	104.8
Photographic apparatus and supplies, optical goods, watches and clocks	March 1980 = 100	(NA)	(NA)	101.6	102.0	95.8

NA Not available. ¹ Excludes chemicals. ² N.e.s. = not elsewhere specified.

NO. 756. EXPORT PRICE INDEXES—SELECTED COMMODITIES: 1978 TO 1982

[Index values are given for June quarter of each year. Indexes are weighted by 1980 export values according to the Schedule B classification system of the U.S. Bureau of the Census. Prices used in these indexes were collected from a sample of U.S. manufacturers of exports and are f.o.b. (free on board) factory transaction prices, except as noted]

COMMODITY	Unit	1978	1979	1980	1981	1982
Grain and grain preparations	March 1980 = 100	(NA)	(NA)	93.9	110.9	93.4
Cork and wood	June 1977 = 100	110.9	142.5	155.5	136.5	134.4
Textile fibers	June 1977 = 100	90.6	99.9	112.9	125.2	106.1
Bituminous coal (f.a.s. ¹)	June 1981 = 100	(NA)	(NA)	(NA)	100.0	105.0
Hydrocarbons and derivatives (f.a.s. ¹)	Dec. 1978 = 100	(NA)	138.2	178.5	181.1	154.0
Leather and furskins	Sept. 1979 = 100	(NA)	(NA)	80.4	80.3	70.1
Rubber manufactures	June 1977 = 100	104.4	111.4	123.4	138.1	146.2
Paper and paperboard products	June 1978 = 100	100.0	112.2	130.4	141.7	139.4
Machinery and transport equipment ²	Dec. 1978 = 100	(NA)	103.5	112.8	123.2	132.7
Power generating machinery and equipment	Dec. 1978 = 100	(NA)	104.3	118.6	135.4	148.9
Machinery specialized for particular industries	Sept. 1978 = 100	(NA)	106.2	119.8	134.4	145.8
Metalworking machinery	June 1978 = 100	100.0	109.2	120.8	134.1	146.1
General industrial machinery and parts	Sept. 1978 = 100	(NA)	106.1	117.3	131.3	142.8
Office machines and ADP equipment	June 1977 = 100	102.0	100.8	100.8	105.7	105.3
Telecommunications, sound recording and reproducing equipment	June 1977 = 100	103.5	108.8	117.8	121.4	128.2
Electric machinery and equipment	June 1977 = 100	91.1	94.6	100.3	103.0	108.7
Professional, scientific and controlling instruments and apparatus	June 1977 = 100	106.6	116.9	128.0	144.9	160.8
Photographic apparatus, optical goods, watches and clocks	Dec. 1977 = 100	100.9	105.9	130.5	128.7	132.9

NA Not available. ¹ f.a.s. = free alongside ship. ² Excludes military and commercial aircraft.

Source of tables 755 and 756: U.S. Bureau of Labor Statistics, *News*, quarterly.

NO. 757. CONSUMER PRICE INDEXES, BY MAJOR GROUPS: 1950 TO 1982

[1987=100. Annual averages of monthly figures, except as indicated. Prior to 1965, excludes Alaska and Hawaii. 1965-1977 indexes reflect buying patterns of urban wage earners and clerical workers in the 1960's, including single workers living alone as well as families of two or more persons; indexes for prior years apply only to families of two or more persons; beginning 1978, reflects buying patterns of all urban consumers in the 1970's. See text, p. 452. See also *Historical Statistics, Colonial Times to 1970*, series E 135-173]

YEAR	All items	Food	Rent, residential	Home ownership	Home purchase	Fuel oil and coal ¹	Gas and electricity	Apparel and upkeep	TRANSPORTATION		Medical care	All commodities	All services
									Private	Public			
1950.....	72.1	74.5	70.4	(NA)	(NA)	72.7	81.2	79.0	72.5	48.9	53.7	78.8	58.7
1951.....	77.9	82.8	73.2	(NA)	(NA)	76.5	81.5	86.1	75.8	54.0	56.3	85.9	61.6
1952.....	79.5	84.3	75.2	(NA)	(NA)	78.0	82.6	85.3	80.8	57.5	56.3	87.0	64.5
1953.....	80.1	83.0	80.3	75.0	86.5	81.5	84.2	84.6	82.4	61.3	61.4	86.7	67.3
1954.....	80.5	82.8	83.2	76.3	87.1	81.2	85.3	84.5	80.3	65.5	61.1	85.9	68.5
1955.....	80.2	81.8	84.3	77.0	87.3	82.3	87.5	84.1	78.9	67.4	64.8	85.1	70.9
1956.....	81.4	82.2	85.9	78.3	87.6	85.9	88.4	85.8	80.1	70.0	67.2	85.9	72.7
1957.....	84.3	84.9	87.5	81.7	90.0	90.3	89.3	87.3	84.7	72.7	68.9	88.8	75.8
1958.....	86.6	88.5	89.1	83.5	91.3	88.7	92.4	87.5	87.4	78.1	73.2	90.6	78.5
1959.....	87.3	87.1	90.4	84.4	91.3	89.8	94.7	88.2	91.1	78.3	78.4	90.7	80.8
1960.....	88.7	88.0	91.7	86.3	91.8	89.2	96.8	89.8	90.6	81.0	79.1	91.5	83.5
1961.....	88.6	89.1	92.9	86.9	92.3	91.0	99.4	90.4	91.3	84.6	81.4	92.0	85.2
1962.....	90.8	89.8	94.0	87.9	93.2	91.5	99.4	90.9	93.0	87.4	83.5	92.8	86.6
1963.....	91.7	91.2	95.0	89.0	94.2	93.2	99.4	91.9	93.4	88.5	85.8	93.6	88.5
1964.....	92.9	92.4	95.0	90.8	95.7	92.7	99.4	92.7	94.7	88.1	87.3	94.6	90.2
1965.....	94.5	94.4	96.9	92.7	97.0	94.6	99.4	93.7	96.3	91.9	89.5	95.7	92.2
1966.....	97.2	99.1	98.2	96.3	98.6	97.0	99.6	96.1	97.5	95.2	93.4	98.2	95.8
1967.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968.....	104.2	103.6	102.4	106.7	102.8	103.1	100.9	105.4	103.0	104.6	106.1	103.7	105.2
1969.....	109.8	108.9	105.7	116.0	109.5	105.6	102.8	111.5	106.5	112.7	113.4	108.4	112.5
1970.....	116.3	114.9	110.1	126.5	118.3	110.1	107.3	118.1	111.1	126.5	120.6	113.5	121.6
1971.....	121.3	118.4	115.2	133.7	124.8	117.5	114.7	119.8	116.6	137.7	128.4	117.4	126.4
1972.....	125.3	123.5	119.2	140.1	130.0	118.6	120.5	122.3	117.5	143.4	132.5	120.9	133.3
1973.....	133.1	141.4	124.3	146.7	132.7	136.0	126.4	126.8	121.5	144.8	137.7	129.9	139.1
1974.....	147.7	161.7	130.6	183.2	142.7	214.6	145.8	136.2	136.6	146.0	150.5	145.5	152.1
1975.....	161.2	175.4	137.3	181.7	160.3	235.3	169.6	149.8	149.8	158.6	166.6	158.4	166.6
1976.....	170.5	180.8	144.7	191.7	168.4	250.8	189.0	147.6	164.8	174.2	184.7	168.4	180.4
1977.....	181.5	192.2	159.5	204.9	179.5	283.4	213.4	154.2	176.6	182.4	202.4	174.7	194.3
1978.....	195.4	211.4	184.0	227.2	196.7	298.3	232.6	159.6	185.0	187.8	219.4	187.1	210.9
1979.....	217.4	234.5	178.0	262.4	223.1	403.1	257.8	166.6	212.3	200.3	239.7	208.4	234.2
1980.....	246.8	254.8	181.8	314.0	254.3	556.0	301.8	178.4	248.2	251.6	265.9	233.9	270.3
1981.....	272.4	274.6	208.2	352.7	267.7	675.0	345.9	188.9	277.5	312.0	294.5	253.8	305.7
1982, May.....	287.1	285.5	221.8	377.4	279.3	844.6	388.6	191.5	281.5	342.1	323.8	261.5	331.8

NA Not available. ¹ Includes bottled gas.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review* and *Handbook of Labor Statistics*, annual.

NO. 758. CONSUMER PRICE INDEXES—ANNUAL PERCENT CHANGE IN MAJOR GROUPS: 1970 TO 1982

[See heading, table 757. See also table 759 for base figures. Minus sign (—) denotes decrease]

ALL ITEMS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982 ¹
All items.....	5.9	4.3	3.3	6.2	11.0	9.1	5.8	6.5	7.7	11.3	13.5	10.4	6.7
Food.....	5.5	3.1	4.3	14.5	14.4	8.5	3.1	6.3	10.0	10.9	8.8	7.9	4.8
Housing:													
Rent, residential.....	4.2	4.6	3.5	4.3	5.1	5.1	5.4	6.1	6.8	7.3	6.9	6.7	7.7
Home ownership.....	10.8	4.1	4.8	4.7	11.9	11.3	5.6	6.9	10.9	15.5	19.7	12.3	8.4
Home purchase.....	6.0	5.5	4.2	2.1	7.5	12.3	5.1	6.6	9.8	13.4	14.0	5.9	6.2
Mortgage interest.....	10.1	8.9	-2.4	4.9	13.8	1.4	-8	1.7	5.9	12.7	16.6	16.2	7.2
Fuel oil and coal ²	4.3	6.7	9	14.8	57.8	9.7	8.6	13.0	5.3	35.1	37.9	21.6	-6.0
Gas and electricity.....	4.4	8.9	5.1	4.9	15.3	16.3	11.4	12.9	9.0	10.8	17.1	14.8	14.4
Apparel and upkeep.....	4.1	3.2	2.1	3.7	7.4	4.5	3.7	4.5	3.5	4.4	7.1	4.8	2.7
Private transportation.....	4.3	5.0	1.8	3.4	12.4	9.7	9.9	7.3	4.8	14.6	17.4	11.4	2.0
Automobiles, new.....	3.1	4.1	-0.9	1	5.8	8.6	8.3	5.3	7.8	7.9	8.0	6.1	3.5
Gasoline.....	9	7	1.2	9.8	35.4	6.8	4.2	5.8	4.3	35.3	39.0	11.9	-11.1
Auto insurance rates.....	13.7	11.4	4	-1.8	1	5.8	28.8	12.0	2.9	5.8	8.2	4.7	5.8
Public transportation.....	14.0	7.2	4.1	1.0	2.2	7.2	9.8	4.7	3.0	6.7	25.6	24.0	14.9
Inter-city bus fare.....	7.0	12.1	5.8	4.0	10.6	15.5	5.9	13.5	7.5	8.2	14.3	14.4	9.8
Medical care.....	6.4	6.5	3.2	9.9	9.9	12.0	9.5	9.6	8.4	9.3	10.9	10.8	12.0
Entertainment.....	5.1	5.3	2.9	2.8	7.5	8.9	5.0	4.9	5.3	6.7	8.9	7.8	6.4
Personal care.....	3.8	3.2	2.6	4.5	9.7	9.6	6.5	6.5	6.5	7.6	8.8	8.9	6.9
All services.....	8.1	5.6	3.8	4.4	9.3	9.5	6.3	7.7	6.5	11.0	15.4	12.1	10.7
All commodities.....	4.7	3.4	3.0	7.4	12.0	8.9	4.3	5.8	7.1	11.4	12.2	8.4	3.8

¹ Change from May 1981-May 1982. ² Includes bottled gas.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*.

No. 759. CONSUMER PRICE INDEXES FOR SELECTED ITEMS AND GROUPS: 1970 TO 1982

[1967 = 100. Annual averages of monthly figures, except as indicated. See headings, table 757]

Commodity	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, May
All items	116.3	123.1	127.7	131.2	137.6	141.5	146.4	151.4	157.4	163.4	169.4	175.4	181.4
Food and beverages	114.7	120.5	125.7	131.1	137.4	143.7	149.9	156.1	162.3	168.5	174.7	180.9	187.1
Food	114.9	121.4	126.7	132.1	138.4	144.7	150.9	157.1	163.3	169.5	175.7	181.9	188.1
Food at home	113.7	121.4	126.7	132.1	138.4	144.7	150.9	157.1	163.3	169.5	175.7	181.9	188.1
Cereals and bakery products	108.9	127.7	136.1	144.5	152.9	161.3	169.7	178.1	186.5	194.9	203.3	211.7	220.1
Meats, poultry, fish, eggs	117.3	130.4	137.7	145.0	152.3	159.6	166.9	174.2	181.5	188.8	196.1	203.4	210.7
Dairy products	111.8	127.9	135.9	143.9	151.9	159.9	167.9	175.9	183.9	191.9	199.9	207.9	215.9
Fruits and vegetables	113.4	125.5	133.6	141.7	149.8	157.9	166.0	174.1	182.2	190.3	198.4	206.5	214.6
Sugar and sweets	115.1	126.3	135.2	144.1	153.0	161.9	170.8	179.7	188.6	197.5	206.4	215.3	224.2
Fats and oils	105.8	126.4	137.4	148.4	159.4	170.4	181.4	192.4	203.4	214.4	225.4	236.4	247.4
Nonalcoholic beverages	117.4	130.2	135.6	141.0	146.4	151.8	157.2	162.6	168.0	173.4	178.8	184.2	189.6
Other prepared foods	109.4	119.0	124.3	129.6	134.9	140.2	145.5	150.8	156.1	161.4	166.7	172.0	177.3
Food away from home	119.9	121.4	124.9	128.4	131.9	135.4	138.9	142.4	145.9	149.4	152.9	156.4	159.9
Alcoholic beverages	112.3	122.5	131.8	141.1	150.4	159.7	169.0	178.3	187.6	196.9	206.2	215.5	224.8
Housing ¹	118.2	123.7	128.8	134.5	140.2	145.9	151.6	157.3	163.0	168.7	174.4	180.1	185.8
Rent	123.6	140.7	154.4	168.7	183.0	197.3	211.6	225.9	240.2	254.5	268.8	283.1	297.4
Home purchase	110.1	124.3	130.6	137.3	144.0	150.7	157.4	164.1	170.8	177.5	184.2	190.9	197.6
Mortgage interest rates	118.3	132.7	142.7	152.7	162.7	172.7	182.7	192.7	202.7	212.7	222.7	232.7	242.7
Property taxes	132.1	123.2	140.2	142.1	140.9	138.5	146.7	155.4	164.1	172.8	181.5	190.2	198.9
Maintenance and repairs	121.0	152.3	151.2	158.8	167.8	176.8	185.8	194.8	203.8	212.8	221.8	230.8	239.8
Fuel and other utilities	124.0	151.0	171.6	187.6	199.6	214.7	230.0	245.3	260.6	275.9	291.2	306.5	321.8
Fuel oil, coal, and bottled gas	107.6	126.9	150.2	167.8	182.7	202.2	216.0	239.3	278.6	319.2	365.4	412.6	459.8
Fuel oil	110.1	136.0	214.6	235.3	250.6	263.4	298.3	403.1	556.0	675.9	844.6	1013.3	1182.0
Gas (piped) and electricity	109.3	134.5	213.0	230.6	247.2	260.2	296.9	416.8	579.7	700.2	870.6	1041.0	1211.4
Electricity	107.3	128.4	145.8	169.6	189.0	213.4	232.6	257.8	301.6	345.9	389.8	433.7	477.6
Household furnishings and operation ²	105.2	124.9	147.5	167.0	177.6	189.3	203.4	219.1	234.4	249.7	265.0	280.3	295.6
Household furnishings ³	111.5	121.6	135.3	151.0	160.1	167.5	177.7	190.3	205.4	221.3	237.4	253.5	269.6
Apparel and upkeep ⁴	108.3	115.6	125.6	137.4	142.9	147.6	154.3	163.1	174.2	186.2	198.2	210.2	222.2
Apparel commodities	116.1	126.6	136.2	142.3	147.8	154.2	160.6	168.8	178.4	188.9	199.5	210.1	220.7
Apparel commodities ⁵	116.5	127.1	136.1	141.2	145.8	151.6	157.7	164.1	171.1	178.1	185.1	192.1	199.1
Men's and boys'	116.3	126.5	135.7	140.6	144.9	150.6	154.2	158.5	163.8	169.1	174.4	179.7	185.0
Women's and girls'	117.1	126.4	136.4	142.2	147.2	154.0	157.3	160.8	166.4	172.0	177.6	183.2	188.8
Footwear	116.0	127.3	134.9	138.1	141.9	146.4	149.3	151.9	155.1	158.3	161.5	164.7	167.9
Transportation	117.7	130.2	138.1	144.2	149.9	156.9	163.8	170.7	177.6	184.5	191.4	198.3	205.2
Private	112.7	123.8	137.7	160.8	185.5	177.2	185.5	212.0	248.7	285.4	322.1	358.8	395.5
Automobiles, new	111.1	121.5	136.6	149.8	164.6	176.6	185.0	212.3	249.2	287.5	325.8	364.1	402.4
Automobiles, used	107.6	111.1	117.5	127.6	135.7	142.9	153.8	166.0	179.3	192.6	205.9	219.2	232.5
Gasoline	104.3	117.6	122.6	146.4	167.9	182.6	186.5	201.0	208.1	256.9	291.4	325.9	360.4
Auto insurance rates	106.6	118.1	159.9	170.8	177.9	188.2	196.3	205.6	309.1	410.9	512.7	614.5	716.3
Public	126.7	136.0	138.1	145.9	167.9	210.5	216.6	228.7	247.4	259.0	271.6	284.2	296.8
Intracity mass transit	126.5	144.6	148.0	156.6	174.2	182.4	187.6	200.3	251.6	312.0	342.1	372.2	402.3
Intercity bus fare	134.5	150.1	148.0	155.5	173.3	178.5	181.8	191.1	217.6	274.8	306.3	337.8	369.3
Airline fares	118.4	145.7	161.0	166.0	196.9	223.5	240.2	260.0	297.1	339.6	382.1	424.6	467.1
Medical care	118.5	134.7	145.9	159.0	172.2	182.0	190.6	205.8	221.1	236.4	251.7	267.0	282.3
Prescription drugs	120.6	137.7	160.6	188.6	184.7	202.4	216.4	239.7	265.9	294.5	323.9	353.3	382.7
Physicians' services	101.2	100.5	102.9	109.3	115.2	122.1	131.6	141.6	154.6	172.5	190.4	208.3	226.2
Dental services	121.4	136.2	150.9	169.4	188.5	206.0	223.1	243.6	269.3	299.0	324.0	349.0	374.0
Hospital room	119.4	136.4	146.6	161.9	172.2	185.1	198.1	214.6	240.2	263.3	282.1	300.9	319.7
Entertainment	145.4	182.1	201.5	236.1	268.6	299.5	332.4	370.3	416.9	461.1	505.3	549.5	593.7
Entertainment commodities	116.7	130.0	136.8	142.2	146.8	151.4	156.0	160.6	165.2	170.8	176.4	182.0	187.6
Newspapers	113.5	126.3	137.1	152.1	160.4	168.6	177.7	189.3	208.2	225.2	242.2	259.2	276.2
Entertainment services	119.4	135.8	155.4	174.5	182.1	192.2	200.4	213.7	238.2	262.6	287.0	311.4	335.8
Other goods and services ⁶	121.0	134.9	143.2	152.4	159.0	166.2	175.4	187.6	201.6	216.3	231.0	245.7	260.4
Tobacco products	118.8	132.6	142.0	152.9	162.7	172.2	182.3	192.7	214.5	236.7	259.0	281.3	303.6
Personal care	121.2	137.0	143.6	153.9	160.5	168.2	177.3	187.9	202.6	218.9	235.2	251.5	267.8
Toilet goods ⁷	113.2	125.2	137.3	150.7	160.5	170.9	181.1	191.5	213.1	232.0	248.5	265.0	281.5
Personal care services	110.4	120.0	133.9	150.0	158.5	167.5	176.6	186.7	206.1	227.2	244.5	261.8	279.1
Personal and educational expenses	116.0	130.6	141.5	151.4	162.5	174.4	187.3	202.7	219.9	237.0	254.2	271.4	288.6
All services	118.2	143.4	151.3	162.4	173.1	184.1	196.0	213.8	236.2	265.6	292.6	319.6	346.6
Services less rent	121.6	136.1	152.1	166.6	180.4	194.3	210.9	234.2	270.3	306.7	343.1	379.5	415.9
Household services ⁸	123.7	141.6	156.0	171.9	186.8	201.6	219.4	244.9	281.1	317.3	353.5	389.7	425.9
Transportation services	126.4	146.2	165.1	183.6	197.2	212.4	234.7	267.2	319.1	358.6	403.0	447.4	491.8
Medical care services	123.1	136.8	141.9	152.7	174.3	188.4	197.4	212.6	242.6	271.6	291.3	310.9	330.6
Other services ⁹	124.2	144.3	156.1	179.1	197.1	216.7	235.4	258.3	287.4	318.2	350.2	382.2	414.2
All commodities	117.3	132.6	142.6	153.1	162.3	172.5	184.7	199.6	218.7	239.2	259.7	279.2	298.7
Durable	113.6	129.9	146.5	164.4	182.2	197.7	214.7	234.1	253.9	273.8	293.7	313.6	333.5
Nondurable	111.8	121.9	130.6	145.5	154.3	163.2	173.9	191.1	210.4	227.1	243.8	260.5	277.2
All commodities less food	114.0	132.6	151.0	163.2	169.2	178.9	192.0	215.9	245.0	265.3	285.6	305.9	326.2
Nondurables less food	112.6	123.6	136.6	149.1	156.6	164.1	174.7	195.1	222.0	241.2	257.8	274.4	291.0
Nondurables less food, apparel	113.1	124.6	140.9	151.7	158.3	166.5	174.3	196.7	235.2	257.5	276.2	295.0	313.7
Apparel	111.2	123.4	143.8	157.8	175.3	185.0	216.2	267.1	298.6	329.1	359.6	389.1	418.6

¹Household services less rent. Index series underwent a change in definition effective with the 1976 revision. Therefore, these data differ from those previously published. ²Includes housekeeping supplies and services. ³Includes apparel services.

⁴Except footwear. ⁵Includes personal care appliances.

Source: U.S. Bureau of Labor Statistics, Monthly Labor Review.

NO. 760. ANNUAL PERCENT CHANGES IN CONSUMER PRICES, UNITED STATES AND OECD COUNTRIES: 1965 TO 1981

[Covers member countries of Organisation for Economic Co-operation and Development (OECD). For consumer price indexes for OECD countries, see section 93]

COUNTRY	1965-1970, avg.	1970-1975, avg.	1975-1980, avg.	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
United States	4.2	6.7	8.9	5.9	3.3	6.2	11.0	9.1	5.8	6.5	7.7	11.3	13.5	10.4
OECD, total	4.2	8.5	9.6	5.8	4.7	7.8	13.4	11.3	6.7	8.9	8.0	9.8	12.9	10.6
OECD, Europe	4.0	9.6	11.3	5.1	6.5	8.6	13.3	13.2	11.0	11.3	8.3	10.6	14.2	12.3
Australia	3.1	10.2	10.8	3.9	5.8	9.5	15.1	15.1	13.5	12.3	7.9	9.1	10.2	9.7
Canada	3.8	7.3	8.7	3.3	4.8	7.6	10.8	10.8	7.5	8.0	9.0	9.1	10.1	12.5
Japan	5.5	11.5	6.5	7.7	4.8	11.7	24.5	11.8	9.3	8.1	9.8	3.6	8.0	4.9
New Zealand	1.9	10.2	14.8	6.5	6.9	8.2	11.1	14.7	16.9	14.3	12.0	13.6	17.1	15.4
Austria	3.3	7.3	5.3	4.4	6.3	7.6	9.5	8.4	7.3	6.5	3.6	3.7	8.4	6.8
Belgium	3.5	8.4	6.4	3.9	5.5	7.0	12.7	12.6	9.2	7.1	4.5	4.5	6.6	7.6
Denmark	6.4	9.3	10.4	5.8	6.8	9.3	15.3	9.6	9.0	11.1	10.0	9.8	12.3	11.7
Finland	4.7	11.7	10.7	2.8	7.1	10.7	16.9	17.9	14.4	12.2	7.8	7.5	11.6	12.0
France	4.3	8.8	10.4	5.2	6.1	7.3	13.7	11.8	9.6	9.4	9.1	10.8	13.6	13.4
Germany, Fed. Rep. of	2.6	6.1	4.1	3.4	5.5	6.8	7.0	8.0	4.5	3.7	2.7	4.1	5.5	5.9
Greece	2.6	12.3	16.3	3.2	4.3	15.5	26.9	13.4	13.3	12.1	12.6	19.0	24.9	24.5
Ireland	5.3	13.3	14.1	6.2	8.7	11.4	17.0	20.9	18.0	13.6	7.6	13.3	18.2	20.4
Italy	3.0	11.3	16.6	5.0	5.7	10.8	19.1	17.0	16.8	18.4	12.1	14.8	21.2	19.5
Luxembourg	3.0	7.2	6.1	4.6	5.2	6.1	9.5	10.7	9.8	6.7	3.1	4.5	6.3	8.1
Netherlands	4.8	8.6	6.0	3.6	7.9	8.0	9.6	10.2	6.8	6.4	4.1	4.2	6.5	6.7
Norway	4.9	9.4	8.4	10.6	7.2	7.5	9.4	11.7	9.1	9.1	8.1	4.8	10.9	13.8
Portugal ¹	5.5	15.4	21.8	6.3	6.9	11.5	20.2	20.4	19.3	27.2	22.5	23.9	16.6	20.0
Spain	5.1	12.1	18.6	5.7	8.3	11.4	15.7	16.9	17.7	24.5	19.6	15.7	15.5	14.8
Sweden	4.5	8.0	10.5	7.0	6.0	6.7	9.9	8.8	10.3	11.4	10.0	7.2	13.7	12.1
Switzerland	3.5	7.7	2.3	3.6	6.7	6.7	9.8	6.7	1.7	1.3	1.1	3.6	4.0	6.5
Turkey ¹	8.1	18.6	50.1	7.9	15.4	14.0	23.9	21.2	17.4	26.0	61.9	63.5	94.3	37.6
United Kingdom	4.8	13.0	14.4	6.4	7.1	9.2	16.0	24.2	18.5	15.8	6.3	13.4	18.0	11.9

¹Excludes rent.

Source: Organisation for Economic Co-operation and Development, Paris, France, *Main Economic Indicators*, monthly.

NO. 761. CONSUMER PRICE INDEXES FOR ALL URBAN CONSUMERS—U.S. REGIONS: 1970 TO 1981

[December 1977=100. For composition of regions, see fig. 1, inside front cover]

REGION	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
All items:												
Northeast	63.0	66.3	68.9	73.3	81.4	87.9	92.9	104.3	114.7	129.4	143.3	
North Central	63.2	65.5	67.5	71.5	79.3	86.2	91.2	97.4	105.3	116.2	134.0	146.6
South	61.5	64.0	66.0	70.2	76.8	86.5	91.3	97.4	105.4	117.4	132.9	147.2
West	61.7	63.8	65.9	69.7	77.1	85.1	90.2	96.9	105.1	117.3	134.6	148.5
Food:												
Northeast	58.0	61.4	63.8	72.5	83.1	96.8	92.8	98.0	107.2	118.0	128.6	138.9
North Central	58.7	60.2	62.8	72.2	82.8	88.6	92.0	97.9	108.0	119.6	130.0	139.4
South	57.9	59.4	62.1	71.8	80.9	89.8	92.0	96.0	107.9	120.1	130.4	140.7
West	58.2	59.8	62.5	71.0	81.1	86.3	90.2	97.1	108.0	120.2	130.2	141.0
Housing:												
Northeast	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	104.3	116.2	132.3	148.7
North Central	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	106.1	121.1	140.0	153.5
South	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	106.0	119.0	136.8	153.2
West	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	105.1	117.8	136.5	154.1
Population-size class:												
Less than 75,000	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	104.9	116.6	131.3	144.8
75,000 to 384,999	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	105.4	117.8	133.1	146.4
385,000 to 1,249,999	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	105.2	117.8	134.0	148.6
1,250,000 to 4,000,000	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	105.1	117.2	133.5	147.8
Over 4,000,000	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	104.5	115.4	131.1	143.8
ANNUAL PERCENT CHANGE												
All items:												
Northeast	15.6	5.2	3.9	6.4	11.1	8.0	5.7	5.6	6.3	10.0	12.7	10.7
North Central	15.7	3.6	3.1	5.9	10.9	8.7	5.8	6.8	8.1	12.3	13.8	8.4
South	15.3	4.1	3.1	6.5	12.1	9.8	5.5	6.7	8.2	11.4	13.3	10.8
West	15.1	3.4	3.3	5.8	10.6	10.4	6.0	7.4	8.5	11.6	14.6	10.3

NA Not available. ¹Change from 1980.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review* and in *Consumer Price Indexes*.

No. 762. CONSUMER PRICE INDEXES—SELECTED CITIES OR SMSA'S: 1960 TO 1981

[1967 = 100, except as noted. Annual averages of monthly figures. For coverage details, see headnote, table 757, and text, p. 452. Area is generally the standard metropolitan statistical area (SMSA), exclusive of farms. Los Angeles-Long Beach, Anaheim, Calif. is a combination of two SMSA's, and New York, N.Y.-Northeastern N.J. and Chicago, Ill.-Northwestern Ind. are the more extensive standard consolidated areas. Area definitions are those established by the Office of Management and Budget in 1973, except for Denver-Boulder, Colo. which does not include Douglas County. Definitions do not include revisions made since 1973]

CITY/SMSA	ALL ITEMS									
	1960	1965	1970	1973	1974	1975	1976	1977	1979	1979
City average ^{1 2}	88.7	84.5	116.3	133.1	147.7	161.2	170.5	161.5	196.4	217.4
Anchorage, Alaska ³	(NA)	(NA)	(NA)	120.8	133.9	152.3	164.1	175.0	187.5	207.0
Atlanta, Ga.	89.3	94.0	116.5	133.7	148.5	161.7	169.2	179.6	192.6	212.7
Baltimore, Md.	89.1	94.4	117.0	134.9	152.4	165.2	173.9	185.9	199.6	218.2
Boston, Mass.	86.5	94.5	116.7	134.7	148.7	162.1	174.5	183.4	193.1	212.9
Buffalo, N.Y.	(NA)	94.2	116.1	134.8	149.5	161.8	170.6	181.7	193.0	211.3
Chicago, Ill.-Northwestern Ind.	90.7	94.7	116.3	132.0	148.1	157.6	185.1	175.6	190.7	214.6
Cincinnati, Ohio-Ky.-Ind.	90.0	94.4	115.7	132.1	146.3	160.3	170.1	182.2	199.1	223.8
Cleveland, Ohio	90.6	94.7	119.3	134.1	147.8	160.9	169.0	180.5	193.9	219.5
Dallas-Fort Worth, Tex.	(NA)	93.8	117.8	132.0	145.3	158.2	167.7	180.2	194.0	218.6
Denver-Boulder, Colo.	(NA)	(NA)	(NA)	131.9	146.5	161.3	170.3	164.7	202.1	233.5
Detroit, Mich.	88.2	92.6	117.4	134.5	149.0	160.1	166.8	180.4	194.1	218.8
Honolulu, Hawaii	(NA)	94.6	114.2	128.3	141.9	155.0	162.8	171.0	184.1	204.6
Houston, Tex.	89.2	94.8	116.8	132.3	147.8	164.9	177.3	190.2	208.2	235.7
Kansas City, Mo.-Kans.	86.9	95.5	115.8	130.3	144.2	157.9	166.5	178.3	191.8	219.2
Los Angeles-Long Beach-Anaheim, Calif.	88.5	95.7	114.3	129.2	142.5	157.6	168.0	179.6	192.8	213.7
Miami, Fla.	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	104.5	114.8
Milwaukee, Wis.	90.2	95.8	115.8	131.5	144.1	157.0	167.1	177.9	192.3	218.8
Minneapolis-St. Paul, Minn.-Wis.	89.0	94.5	117.5	133.0	146.3	160.9	170.9	183.0	199.7	222.6
New York, N.Y.-Northeast, N.J.	87.3	94.3	119.0	139.7	154.8	166.6	176.3	185.5	196.1	213.1
Northeast, Pa.	86.9	94.1	116.3	134.7	151.1	164.7	170.9	179.9	191.9	210.7
Philadelphia, Pa.-N.J.	86.4	94.7	117.8	135.5	151.6	164.2	172.4	183.5	194.3	213.6
Pittsburgh, Pa.	90.5	95.8	116.4	132.9	147.3	160.0	166.3	179.8	195.5	217.3
Portland, Oreg.-Wash.	87.1	94.6	113.2	127.3	142.8	156.5	167.0	180.2	196.4	225.4
St. Louis, Mo.-Ill.	87.7	94.1	115.2	129.3	142.2	156.1	165.1	176.6	191.5	215.8
San Diego, Calif.	(NA)	95.2	115.3	132.5	147.2	160.8	170.7	182.0	200.1	233.1
San Francisco-Oakland, Calif.	87.8	94.7	115.8	131.5	144.4	159.1	168.0	180.8	197.8	214.8
Seattle-Everett, Wash.	87.9	94.5	114.0	127.5	141.5	155.8	164.5	177.6	194.8	216.3
Washington, D.C.-Md.-Va.	87.7	94.1	117.6	135.0	150.0	161.6	171.1	183.0	197.0	218.6
City average ^{1 2}	1980, all items	1981								
		All Items	Food and bever- ages	Hous- ing	Fuel and other utilities	Appar- el and up- keep	Trans- porta- tion	Medi- cal care	Enter- tain- ment	
City average ^{1 2}	246.8	272.4	267.3	293.5	319.2	198.9	280.0	294.5	221.4	
Anchorage, Alaska ³	228.2	246.5	275.4	244.1	220.0	186.8	253.2	313.1	221.6	
Atlanta, Ga.	242.3	272.0	271.0	292.9	274.9	166.3	269.3	290.0	194.7	
Baltimore, Md.	250.3	273.6	266.6	302.2	315.5	203.6	268.5	285.0	216.2	
Boston, Mass.	240.0	268.7	252.3	282.2	380.4	201.8	307.0	278.1	224.4	
Buffalo, N.Y.	235.6	257.6	262.7	265.9	396.8	207.1	267.4	249.1	219.4	
Chicago, Ill.-Northwestern, Ind.	245.5	269.0	265.4	283.0	261.2	159.2	285.0	301.3	240.6	
Cincinnati, Ohio-Ky.-Ind.	254.0	272.1	280.7	281.8	322.4	207.7	261.5	321.9	202.1	
Cleveland, Ohio	252.9	279.3	269.9	296.5	316.7	185.1	271.3	322.6	213.3	
Dallas-Fort Worth, Tex.	255.6	284.9	273.6	314.2	289.2	195.3	267.0	264.0	217.2	
Denver-Boulder, Colo.	261.5	290.8	250.7	345.6	295.3	179.8	276.3	273.0	235.9	
Detroit, Mich.	253.5	277.1	260.5	304.6	333.6	159.1	279.7	320.1	201.9	
Honolulu, Hawaii	228.5	252.4	275.4	240.3	339.1	193.4	247.1	269.4	224.8	
Houston, Tex.	265.4	291.9	290.5	323.6	357.8	226.4	263.0	321.7	223.6	
Kansas City, Mo.-Kans.	248.1	268.6	268.7	285.1	284.6	195.0	268.8	293.5	208.5	
Los Angeles-Long Beach-Anaheim, Calif.	247.3	271.4	259.6	295.8	250.3	174.8	282.5	310.7	199.2	
Miami, Fla. ⁴	130.8	145.8	140.3	151.9	140.3	122.9	153.2	141.4	122.2	
Milwaukee, Wis.	251.5	260.1	262.5	304.7	347.2	201.4	284.3	301.3	235.8	
Minneapolis-St. Paul, Minn.-Wis.	247.8	278.3	269.4	313.1	316.0	178.5	263.1	263.9	252.1	
New York, N.Y.-Northeast, N.J.	237.2	260.5	267.1	268.1	367.0	176.8	296.3	296.7	223.7	
Northeast, Pa.	237.1	264.1	255.9	285.8	415.7	180.9	273.2	312.2	230.4	
Philadelphia, Pa.-N.J.	241.4	266.0	269.6	280.4	340.5	173.4	285.6	313.7	214.1	
Pittsburgh, Pa.	247.2	272.5	269.0	293.3	261.5	183.1	296.1	296.9	221.0	
Portland, Oreg.-Wash.	255.4	278.2	262.9	304.5	356.9	181.5	268.9	300.4	206.3	
St. Louis, Mo.-Ill.	244.9	267.5	266.2	285.1	261.1	181.8	267.5	275.4	224.1	
San Diego, Calif.	266.5	304.6	268.5	367.4	284.5	186.5	274.3	276.6	215.0	
San Francisco-Oakland, Calif.	247.3	279.0	260.2	310.3	311.2	191.1	279.9	292.3	221.2	
Seattle-Everett, Wash.	252.1	279.7	255.5	313.7	303.9	189.6	266.8	291.6	219.2	
Washington, D.C.-Md.-Va.	244.7	267.3	274.1	277.3	289.1	166.0	276.5	296.6	203.2	

NA Not available. ¹ Based on 46 cities for 1960, 50 urban areas for 1965, 56 areas beginning 1970, and 85 areas beginning 1978. Includes medium and small sized cities, not shown separately. ² Excludes Portland, Oreg., until 1978. For 1965, excludes Cincinnati, Ohio-Ky.; Houston, Tex.; Kansas City, Mo.-Kans.; Milwaukee, Wis.; Minneapolis-St. Paul, Minn.; and San Diego, Calif. ³ October 1967 = 100. ⁴ November 1977 = 100.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, and in *Consumer Price Indexes, Detailed Report*.

NO. 763. URBAN BUDGETS FOR A 4-PERSON FAMILY AND FOR A RETIRED COUPLE: 1970 TO 1981

(In dollars. 4-person family refers to annual living costs for a family comprising a 38-year-old employed husband, a wife not employed outside the home, an 8-year-old girl, and a 13-year-old boy. Retired couple refers to a retired husband 65 years old or over and his wife. The 3 budget levels reflect costs of different specified types and amounts of goods and services. Each level provides for average inventories of clothing, housefurnishings, major durables, and other equipment. Metropolitan areas are as defined in 1960-61. For a detailed description of geographic boundaries and definition, see U.S. Office of Management and Budget *Standard Metropolitan Statistical Areas, 1967*.)

ITEM	LOWER BUDGET ¹			INTERMEDIATE BUDGET			HIGHER BUDGET		
	Urban U.S.	Metro. areas	Non-metro. areas ²	Urban U.S.	Metro. areas	Non-metro. areas ²	Urban U.S.	Metro. areas	Non-metro. areas ²
4-PERSON FAMILY									
Total cost, spring 1970	6,960	7,061	6,512	10,664	10,933	9,600	15,511	15,971	13,459
Total cost, autumn 1973	8,181	8,305	7,626	12,626	12,909	11,363	18,201	18,780	15,708
Total cost, autumn 1974	9,198	9,323	8,639	14,333	14,644	12,945	20,777	21,381	18,061
Total cost, autumn 1975	9,588	9,720	9,002	15,318	15,638	13,886	22,294	22,940	19,412
Total cost, autumn 1976	10,041	10,189	9,382	16,236	16,596	14,625	23,759	24,492	20,486
Total cost, autumn 1977	10,481	10,636	9,790	17,106	17,498	15,353	25,202	25,983	21,712
Total cost, autumn 1978	11,546	11,685	10,925	18,622	18,982	17,016	27,420	28,186	24,000
Total cost, autumn 1979	12,585	12,722	11,972	20,517	20,935	18,651	30,317	31,187	26,432
Total cost, autumn 1980	14,044	14,203	13,331	23,134	23,597	21,070	34,409	35,391	30,024
Cost of consumption, total	11,243	11,353	10,752	16,969	17,250	15,713	23,266	23,802	20,872
Food	4,321	4,372	4,096	5,571	5,642	5,257	7,024	7,165	6,393
Housing ³	2,608	2,652	2,412	5,106	5,220	4,598	7,747	7,969	6,755
Transportation	1,160	1,103	1,413	2,116	2,126	2,071	2,751	2,801	2,528
Clothing and personal care	1,259	1,271	1,201	1,763	1,779	1,696	2,556	2,576	2,465
Medical care	1,298	1,334	1,136	1,303	1,339	1,143	1,359	1,396	1,194
Other family consumption	597	621	492	1,109	1,145	946	1,829	1,894	1,537
Other costs ⁴	583	587	569	957	967	913	1,610	1,637	1,491
Social Security and disability insurance payments	881	894	825	1,427	1,456	1,299	1,608	1,611	1,596
Personal income taxes	1,337	1,370	1,185	3,781	3,924	3,146	7,924	8,340	6,065
Total cost, autumn 1981	15,323	15,481	14,619	25,407	25,893	23,238	38,060	39,117	33,338
Cost of consumption, total	12,069	12,179	11,579	18,240	18,523	16,978	25,008	25,560	22,545
Food	4,545	4,597	4,313	5,843	5,915	5,521	7,366	7,512	6,713
Housing ³	2,817	2,863	2,612	5,546	5,659	5,045	8,423	8,652	7,403
Transportation	1,311	1,248	1,591	2,372	2,380	2,333	3,075	3,126	2,847
Clothing and personal care	1,316	1,327	1,265	1,841	1,853	1,785	2,666	2,683	2,595
Medical care	1,436	1,475	1,266	1,443	1,481	1,274	1,505	1,544	1,331
Other family consumption	644	670	532	1,196	1,235	1,020	1,972	2,043	1,657
Other costs ⁴	621	624	606	1,021	1,031	978	1,718	1,746	1,595
Social Security and disability insurance payments	1,036	1,049	981	1,703	1,736	1,553	1,993	1,995	1,984
Personal income taxes	1,596	1,629	1,453	4,443	4,602	3,730	9,340	9,817	7,215
Percent change—									
Total cost, 1970-1975	37.8	37.7	38.2	43.6	43.0	44.6	43.7	43.6	44.2
Total cost, 1975-1980	46.5	46.1	48.1	51.0	50.9	51.7	54.3	54.3	54.7
Total cost, 1980-1981	9.1	9.0	9.7	9.8	9.7	10.3	10.6	10.5	11.0
RETIRED COUPLE									
Total cost, spring 1970	3,109	3,188	2,872	4,489	4,679	3,917	7,114	7,503	5,949
Total cost, autumn 1973	3,763	3,865	3,457	5,414	5,637	4,746	8,043	8,429	6,886
Total cost, autumn 1974	4,228	4,332	3,916	6,041	6,278	5,331	8,969	9,379	7,743
Total cost, autumn 1975	4,501	4,606	4,189	6,465	6,711	5,726	9,598	10,025	8,320
Total cost, autumn 1976	4,895	4,807	4,359	6,738	7,002	5,947	10,048	10,509	8,669
Total cost, autumn 1977	5,081	5,202	4,721	7,249	7,530	6,409	10,763	11,255	9,289
Total cost, autumn 1978	5,514	5,617	5,206	7,846	8,108	7,063	11,596	12,069	10,182
Total cost, autumn 1979	6,023	6,132	5,695	8,562	8,849	7,703	12,669	13,191	11,105
Total cost, autumn 1980	6,644	6,762	6,291	9,434	9,747	8,498	13,923	14,487	12,233
Total cost, autumn 1981	7,226	7,354	6,841	10,226	10,568	9,203	15,078	15,692	13,241
Cost of consumption, total	6,914	7,037	6,547	9,611	9,932	8,650	13,960	14,531	12,251
Food	2,183	2,199	2,135	2,896	2,935	2,787	3,642	3,696	3,480
Housing ³	2,377	2,506	1,966	3,393	3,622	2,708	5,307	5,717	4,078
Transportation	553	502	705	1,073	1,089	1,027	1,960	2,003	1,830
Clothing and personal care	442	442	443	699	699	699	1,053	1,040	1,089
Medical care	1,085	1,092	1,066	1,091	1,097	1,074	1,096	1,103	1,083
Other family consumption	275	296	212	457	491	355	901	971	692
Other cost ⁴	311	317	295	615	636	553	1,118	1,161	990
Percent change—									
Total cost, 1970-1975	44.8	44.5	45.9	44.0	43.4	46.2	34.9	33.6	39.9
Total cost, 1975-1980	47.6	46.8	50.2	45.9	45.2	48.4	45.1	44.5	47.0
Total cost, 1980-1981	8.8	8.8	8.7	8.4	8.4	8.3	8.3	8.3	8.2

¹ Not intended to represent a minimum or subsistence level. ² Places with 2,500-50,000 population in 1960. ³ Includes the weighted average cost of renter and homeowner shelter, housefurnishings, and household operations. Four-person families in the lower budget are assumed to be renters. A small allowance for lodging away from home city is included in the higher budget. ⁴ Includes gifts, contributions, life insurance, and occupational expenses. ⁵ Includes gifts and contributions and, at the higher level, an allowance for life insurance.

Source: U.S. Bureau of Labor Statistics, *3 Budgets for an Urban Family of Four Persons, 1969-70; Autumn Urban Family Budgets and Comparative Indexes for Selected Urban Areas*, annual (Supplements to Bulletin 1570-5); *3 Budgets for a Retired Couple in Urban Areas of the United States, 1969-70*; and *3 Budgets for a Retired Couple, Autumn*, annual. (Supplements to Bulletin 1570-6).

**NO. 764. URBAN INTERMEDIATE BUDGET FOR A 4-PERSON FAMILY AND A RETIRED COUPLE—U.S.
COST, 1967 TO 1981, AND FOR SELECTED METROPOLITAN AREAS, 1981**

[In dollars, except percent. See headnote, table 763]

AREA	COST FOR 4-PERSON FAMILY					COST FOR RETIRED COUPLE				
	Total ¹	Food	Housing ²	Transportation	Medical care	Total ¹	Food	Housing ²	Transportation	Medical care
1967, urban U.S.....	9,078	2,105	2,230	872	477	3,857	1,048	1,330	382	296
Percent.....	100.0	23.2	24.6	9.6	5.3	100.0	27.2	34.5	9.9	7.7
1970, urban U.S.....	10,884	2,452	2,501	912	584	4,489	1,220	1,554	413	370
Percent.....	100.0	23.0	23.5	8.6	5.3	100.0	27.2	34.6	9.2	8.2
1975, urban U.S.....	15,318	3,827	3,533	1,279	822	6,465	1,912	2,192	577	555
Percent.....	100.0	25.0	23.1	8.3	5.4	100.0	29.6	33.9	8.9	8.6
1970, urban U.S.....	16,236	3,859	3,843	1,403	900	6,738	1,914	2,334	629	574
Percent.....	100.0	23.8	23.7	8.6	5.5	100.0	28.4	34.6	9.3	8.5
1977, urban U.S.....	17,108	4,098	4,016	1,472	985	7,249	2,035	2,518	658	680
Percent.....	100.0	24.0	23.5	8.6	5.8	100.0	28.1	34.7	9.1	9.4
1970, urban U.S.....	18,822	4,609	4,182	1,572	1,070	7,846	2,299	2,641	701	769
Percent.....	100.0	24.8	22.5	8.4	5.7	100.0	29.3	33.7	8.9	9.8
1970, urban U.S.....	20,517	5,044	4,594	1,851	1,176	8,562	2,507	2,862	820	842
Percent.....	100.0	24.6	22.4	9.0	5.7	100.0	29.3	33.4	9.6	9.8
1980, urban U.S.....	23,134	5,571	5,106	2,116	1,303	9,434	2,772	3,106	950	950
Percent.....	100.0	24.1	22.1	9.1	5.8	100.0	29.4	32.9	10.1	10.1
Percent change, urban U.S.:										
1967-1970.....	17.5	16.5	12.2	4.6	18.2	16.4	16.4	16.8	8.1	25.0
1970-1975.....	43.6	56.1	41.3	40.2	45.7	44.0	56.7	41.1	39.7	50.0
1975-1980.....	51.0	45.6	44.5	85.4	58.5	45.9	45.0	41.7	64.6	71.2
1981										
Urban U.S., total ³	25,407	5,843	5,843	2,372	1,443	10,226	2,898	3,393	1,073	1,081
Percent.....	100.0	23.0	21.8	9.3	5.7	100.0	28.3	33.2	10.5	10.7
Nonmetropolitan areas ⁴	23,236	5,521	5,045	2,333	1,274	9,203	2,787	2,706	1,027	1,074
Metropolitan areas.....	25,893	5,915	5,659	2,380	1,481	10,568	2,935	3,622	1,089	1,097
Atlanta, Ga.....	23,273	5,614	4,551	2,307	1,296	9,516	2,801	2,669	1,177	1,076
Baltimore, Md.....	25,114	5,526	5,476	2,292	1,335	10,051	2,724	3,368	1,146	1,053
Boston, Mass.....	29,213	5,918	7,043	2,782	1,316	11,925	2,986	4,785	1,146	1,056
Buffalo, N.Y.....	28,473	5,890	5,476	2,513	1,159	10,744	2,958	3,867	1,212	1,017
Chicago, Ill.-Northwestern Ind.....	25,358	5,779	5,607	2,496	1,566	10,070	2,853	3,270	1,037	1,109
Cincinnati, Ohio-Ky.-Ind.....	25,475	5,939	5,392	2,312	1,387	10,038	2,942	3,108	1,061	1,082
Cleveland, Ohio.....	25,598	5,859	5,566	2,358	1,443	10,500	2,908	3,458	1,161	1,051
Dallas, Tex.....	22,678	5,568	4,772	2,437	1,631	9,768	2,726	3,033	1,184	1,138
Denver, Colo.....	24,820	5,480	5,379	2,423	1,331	10,028	2,716	3,197	1,170	1,086
Detroit, Mich.....	25,208	5,886	5,604	2,266	1,460	10,395	2,908	3,525	1,129	1,070
Honolulu, Hawaii.....	31,693	7,626	6,493	2,421	1,590	12,157	3,890	3,827	1,293	1,120
Houston, Tex.....	23,801	5,816	4,839	2,349	1,685	9,996	2,877	3,055	1,095	1,158
Kansas City, Mo.-Kans.....	24,526	5,727	4,951	2,474	1,426	9,976	2,826	3,024	1,139	1,126
Los Angeles-Long Beach, Calif.....	25,025	5,700	5,436	2,464	1,876	10,238	2,824	3,243	1,276	1,191
Milwaukee, Wis.....	26,875	5,660	5,889	2,424	1,395	10,673	2,804	3,699	1,186	1,063
Minneapolis-St. Paul, Minn.....	25,799	5,607	5,336	2,349	1,249	10,121	2,760	3,351	1,138	1,036
New York, N.Y.-Northeastern N.J.....	29,540	6,578	6,717	2,180	1,448	11,623	3,284	4,620	775	1,084
Philadelphia, Pa.-N.J.....	26,567	6,518	5,621	2,334	1,530	10,648	3,223	3,710	980	1,091
Pittsburgh, Pa.....	24,717	6,040	4,939	2,501	1,319	10,503	3,018	3,396	1,238	1,084
St. Louis, Mo.-Ill.....	24,496	6,061	5,014	2,455	1,313	10,106	3,018	3,118	1,189	1,062
San Diego, Calif.....	24,776	5,569	5,415	2,392	1,755	9,827	2,748	3,006	1,203	1,156
San Francisco-Oakland, Calif.....	27,082	5,905	6,064	2,544	1,673	10,921	2,904	3,604	1,300	1,175
Seattle-Everett, Wash.....	25,881	5,880	6,031	2,445	1,633	11,343	2,939	4,077	1,201	1,195
Washington, D.C.-Md.-Va.....	27,352	5,969	5,827	2,358	1,467	11,000	2,977	3,769	1,168	1,122

¹Includes clothing and personal care, other family consumption, gifts and contributions, personal income taxes (except for retired couple, 1975-1981), and, for 4-person families, also basic life insurance, occupational expenses, and Social Security; not shown separately. ²Includes weighted average cost of renter and homeowner shelter, housefurnishings, and household operations.

³Procedures used in updating the budgets to 1979, 1980, and 1981 differ from procedures used in prior years. As a result of the revision of the Consumer Price Index (CPI) program in January 1978, individual area price changes from autumn 1978 to autumn 1979, autumn 1979 to autumn 1980, and autumn 1980 to autumn 1981 were no longer available for 15 of the 39 family budget metropolitan areas. The urban U.S. average includes estimates for those areas, however, using price data for the appropriate region/population size classes which are available from the CPI. ⁴Places with population of 2,500-50,000 in 1980.

Source: U.S. Bureau of Labor Statistics, *Autumn Urban Family Budget and Comparative Indexes for Selected Urban Areas*, annual (Suppl. to Bulletin 1570-5); and *3 Budgets for a Retired Couple, Autumn*, annual. (Suppl. to Bulletin 1570-6.)

**NO. 765. ANNUAL BUDGET COSTS FOR A 4-PERSON FAMILY—PERCENT DISTRIBUTION, 1975 TO 1981,
AND ANNUAL PERCENT CHANGE, 1970 TO 1981**

[As of autumn. See headnote, table 763. For definition of average annual percent change, see Guide to Tabular Presentation]

ITEM	LOWER BUDGET			INTERMEDIATE BUDGET			HIGHER BUDGET		
	1975	1980	1981	1975	1980	1981	1975	1980	1981
PERCENT DISTRIBUTION									
Total cost	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Total consumption.....	81.3	80.1	78.8	76.5	73.4	71.8	72.4	67.6	65.7
Food	30.8	30.8	29.7	25.0	24.1	23.0	21.6	20.4	19.4
Housing	19.4	18.6	18.4	23.1	22.1	21.8	24.0	22.5	22.1
Transportation	7.3	8.3	8.6	8.3	9.1	9.3	7.4	8.0	8.1
Clothing, personal care	10.6	9.0	8.6	9.4	7.8	7.2	9.3	7.4	7.0
Medical care	8.5	9.2	9.4	5.4	5.6	5.7	3.8	3.9	4.0
Other	4.7	4.3	4.2	5.4	4.8	4.7	6.1	5.3	5.2
Other items	4.5	4.2	4.1	4.6	4.1	4.0	5.3	4.7	4.5
Social Security	6.0	6.3	6.8	5.4	6.2	6.7	3.8	4.7	5.2
Personal income taxes	8.1	9.5	10.4	13.4	16.3	17.5	18.5	23.0	24.5
AVERAGE ANNUAL PERCENT CHANGE									
	1970-1975	1975-1980	1980-1981	1970-1975	1975-1980	1980-1981	1970-1975	1975-1980	1980-1981
Total cost	8.6	7.9	9.1	7.5	8.6	9.8	7.5	9.1	10.6
Total consumption.....	7.0	7.6	7.3	7.4	7.7	7.5	7.3	7.6	7.5
Food	9.2	7.9	5.2	9.3	7.8	4.9	9.3	7.8	4.9
Housing	5.4	7.0	8.0	7.2	7.6	8.6	7.3	7.7	8.7
Transportation	6.8	10.6	13.0	7.0	10.6	12.1	7.0	10.7	11.8
Clothing, personal care	4.8	4.3	11.0	4.7	4.2	11.1	4.7	4.2	10.7
Medical care	7.8	9.7	10.6	7.8	9.7	10.7	7.8	9.7	10.7
Other	5.3	6.0	7.9	5.4	5.9	7.8	5.4	5.9	7.8
Other items	4.9	6.0	6.5	5.4	6.4	6.7	5.5	6.4	6.7
Social Security	10.8	8.8	17.6	16.6	11.3	19.3	16.8	13.8	23.9
Personal income taxes	1.7	11.4	19.4	6.1	13.0	17.5	7.5	13.9	17.9

Source: U.S. Bureau of Labor Statistics, *3 Budgets for an Urban Family of Four Persons*, press releases, and Bulletin No. 1570-5.

**NO. 766. URBAN INTERMEDIATE BUDGET FOR SELECTED METROPOLITAN AREAS, BY SIZE AND TYPE
OF UNIT: 1981**

[See headnote, table 763, and text, p. 452. Includes only the cost of goods and services for family consumption. Excludes Social Security and disability insurance payments, personal income taxes, gifts, contributions, life insurance, and occupational expenses]

STANDARD METROPOLITAN STATISTICAL AREA (Based on 1980 census definition)	Single person under 35 years	HUSBAND AND WIFE UNDER 35 YEARS OLD			HUSBAND AND WIFE 35-54 YEARS OLD		
		No children	1 child under 6 years	2 children under 6 years	1 child, 6-15 years	2 children, oldest 6-15 yr.	3 children, oldest 6- 15 yr.
Urban U.S.	\$6,380	\$6,940	\$11,310	\$13,130	\$14,960	\$18,240	\$21,160
Atlanta, Ga.	5,940	8,320	10,520	12,220	13,920	16,974	19,690
Baltimore, Md.	6,170	8,640	10,930	12,700	14,460	17,636	20,460
Boston, Mass.	7,120	9,970	12,620	14,650	16,690	20,353	23,610
Buffalo, N.Y.	6,420	8,990	11,370	13,210	15,040	18,342	21,280
Chicago, Ill.-Northwestern Ind.	6,490	9,090	11,500	13,360	15,210	18,552	21,520
Cincinnati, Ohio-Ky.-Ind.	6,400	8,960	11,340	13,170	15,000	18,290	21,220
Cleveland, Ohio	6,500	9,100	11,510	13,370	15,220	18,567	21,540
Dallas, Tex.	6,060	8,480	10,730	12,460	14,190	17,302	20,070
Detroit Mich.	6,340	8,880	11,230	13,040	14,850	18,115	21,010
Honolulu, Hawaii	7,540	10,550	13,350	15,500	17,650	21,530	24,970
Houston, Tex.	6,260	8,790	11,120	12,910	14,700	17,931	20,800
Kansas City, Mo.-Kans.	6,240	8,730	11,050	12,830	14,610	17,822	20,670
Los Angeles-Long Beach, Calif.	6,400	8,970	11,340	13,170	15,000	18,298	21,230
Milwaukee, Wis.	6,530	9,140	11,560	13,430	15,290	18,651	21,640
Minneapolis-St. Paul, Minn.	6,200	8,670	10,970	12,740	14,510	17,701	20,530
New York, N.Y.-Northeastern N.J.	6,970	9,760	12,340	14,340	16,330	19,910	23,100
Philadelphia, Pa.-N.J.	6,520	9,130	11,550	13,410	15,270	18,625	21,610
Pittsburgh, Pa.	6,220	8,710	10,010	12,790	14,570	17,766	20,610
St. Louis, Mo.-Ill.	6,230	8,730	11,040	12,830	14,610	17,814	20,660
San Diego, Calif.	6,350	8,890	11,240	13,060	14,870	18,133	21,030
San Francisco-Oakland, Calif.	6,820	9,540	12,070	14,020	15,970	19,474	22,590
Seattle-Everett, Wash.	6,760	9,500	12,020	13,960	15,900	19,395	22,500
Washington, D.C.-Md.-Va.	6,600	9,240	11,700	13,580	15,470	18,866	21,980

Source: U.S. Bureau of Labor Statistics, *Revised Equivalence Scale: For Estimating Equivalent Incomes or Budget Costs, by Family Type*. (1570-2).

No. 767. RETAIL CONSUMER PRICE INDEXES OF FOOD—SELECTED AREAS: 1970 TO 1982

[1967 = 100. See headnote, table 762 and text, p. 452 regarding SMSA's]

CITY SMSA	1970	1974	1975	1975	1977	1978	1979	1980	1981	1982, May
Total food ¹	114.9	161.7	175.4	180.8	192.2	211.4	234.5	254.8	274.8	286.5
Anchorage, Alaska	(NA)	145.7	167.6	174.2	185.8	204.1	227.2	242.2	253.6	258.8
Atlanta, Ga.	114.8	165.6	181.8	185.8	196.4	215.5	236.2	257.3	279.8	² 289.3
Baltimore, Md.	117.4	164.4	178.2	184.3	195.9	215.2	235.8	254.9	272.4	279.3
Boston, Mass.	114.9	161.3	175.2	183.1	190.9	206.7	229.0	245.3	259.7	264.9
Buffalo, N.Y.	116.2	180.1	173.6	178.6	189.2	206.1	226.8	246.1	267.6	² 273.6
Chicago, Ill.-Northwestern Ind.	115.4	161.6	175.1	180.1	191.0	213.5	236.8	258.2	273.1	281.7
Cincinnati, Ohio-Ky.	114.9	163.6	177.4	184.0	197.8	219.1	244.4	265.3	286.8	298.5
Cleveland, Ohio	117.5	161.1	175.8	185.9	196.1	213.6	236.3	254.2	276.3	² 283.4
Dallas, Tex.	114.8	157.9	172.5	176.9	191.3	209.4	235.8	257.7	276.3	² 286.7
Denver-Boulder, Colo.	(NA)	155.6	171.4	175.8	190.8	206.0	230.1	236.0	258.0	264.9
Detroit, Mich.	115.2	164.1	171.6	175.6	186.4	205.5	226.5	245.2	264.2	274.3
Honolulu, Hawaii	114.1	158.7	176.7	183.0	193.0	212.8	239.8	259.9	285.8	² 286.5
Houston, Tex.	115.5	164.9	181.2	167.6	196.8	218.7	248.3	270.6	296.6	² 307.4
Kansas City, Mo.-Kans.	116.1	162.5	177.8	180.8	193.0	215.4	239.2	259.8	275.3	² 278.2
Los Angeles-Long Beach, Calif.	112.2	156.3	170.1	173.5	185.8	206.7	229.5	248.7	266.7	280.8
Milwaukee, Wis.	113.1	158.1	171.9	180.0	189.9	210.5	234.9	250.7	273.5	284.9
Minneapolis-St. Paul, Minn.	116.5	163.6	178.9	166.6	196.7	217.3	244.4	264.8	280.4	² 286.0
New York, N.Y.-Northeast, N.J.	117.9	166.1	179.6	185.4	195.4	212.8	232.6	253.9	276.9	290.8
Northeast, Pennsylvania	115.7	161.7	172.9	178.4	189.5	207.2	228.1	248.1	264.5	273.7
Philadelphia, Pa.-N.J.	115.8	165.2	179.6	186.2	196.4	218.2	239.7	259.1	278.7	293.2
Pittsburgh, Pa.	115.6	164.2	177.4	181.1	193.6	212.6	233.5	254.5	274.1	² 281.7
Portland, Oreg.	110.9	154.5	168.4	177.3	188.8	207.7	233.6	250.3	269.9	279.4
St. Louis, Mo.-Ill.	115.4	159.7	174.3	180.5	192.8	210.4	234.7	252.3	270.9	279.8
San Diego, Calif.	113.6	159.6	173.7	179.2	190.5	212.2	236.0	257.8	276.6	289.1
San Francisco-Oakland, Calif.	112.5	155.6	171.2	173.9	187.4	207.4	233.1	250.4	268.5	² 283.4
Seattle, Wash.	113.5	155.8	169.6	175.0	187.9	204.1	225.4	243.2	263.7	267.4
Washington, D.C.-Md.-Va.	117.3	166.9	180.7	186.5	199.7	219.8	245.7	264.1	277.7	290.7

NA Not available. ¹ 1970 to 1977 based on 56 areas, beginning 1978, 85 areas. Excludes Portland, Oregon through 1978.
² April data.
Source: U.S. Bureau of Labor Statistics, *The Consumer Price Index, Detailed Report*, monthly.

No. 768. WEEKLY FOOD COST FOR FAMILIES, BY TYPE OF FAMILY: 1975 TO 1982

[In dollars. Based on moderate-cost food plan; assumes all meals are eaten at home or taken from home]

URBAN FAMILY TYPE	1975, Dec.	1976, Dec.	1977, Dec.	1978, Dec.	1979, Dec.	1980, Dec.	1981		1982	
							May	Dec.	March	May
Couple, 20-54 years old	37.10	36.80	39.70	43.20	47.50	52.00	52.80	53.40	54.60	55.30
Couple, 55 years and over	32.40	32.10	35.00	37.90	41.80	45.90	46.50	47.10	48.30	48.90
Couple with children:										
1 child, 1-5 years old	44.90	44.40	47.80	52.10	57.30	62.90	63.90	64.70	66.20	67.00
1 child, 15-19 years old	53.50	52.80	56.70	62.00	66.00	74.80	76.00	76.80	78.60	79.60
2 children, 1-5 years old	51.80	51.30	54.90	60.00	65.90	72.60	73.80	74.70	76.40	77.30
2 children, 6-11 years old	63.00	62.10	66.60	72.70	79.90	86.10	69.70	90.70	92.80	93.60
2 children, 12-19 years old	67.20	66.30	71.00	77.80	85.20	93.80	95.60	96.50	98.80	100.00

Source: U.S. Dept. of Agriculture, Human Nutrition Information Service. Through June 1978, *Food and Home Notes*, weekly; thereafter, *News Feature*, weekly.

No. 769. WEEKLY FOOD COST FOR FAMILIES, BY COST LEVEL AND REGION: 1982

[In dollars. As of March. Based on costs of food plans as estimated by using average price per pound of each food group paid by urban survey families at selected food cost levels in 1965-66. Prices adjusted to March 1982 level. For composition of regions, see fig. 1, inside front cover]

REGION AND URBAN FAMILY TYPE	Low level	Moderate level	Liberal level	REGION AND URBAN FAMILY TYPE	Low level	Moderate level	Liberal level
Northeast:				South:			
Couple, 20-54 years old	48.20	59.30	71.50	Couple, 20-54 years old	43.10	53.80	64.20
Couple, 55 years and over	41.10	52.00	62.70	Couple, 55 years and over	38.40	47.20	56.10
4-person families:				4-person families:			
With preschool children ¹	64.80	82.80	99.70	With preschool children ¹	60.30	74.90	89.50
With school children ²	76.40	100.30	121.10	With school children ²	73.10	91.20	108.90
North Central:				West:			
Couple, 20-54 years old	44.70	54.80	66.40	Couple, 20-54 years old	44.40	55.70	67.10
Couple, 55 years and over	39.90	48.60	58.60	Couple, 55 years and over	39.70	49.20	59.00
4-person families:				4-person families:			
With preschool children ¹	63.00	77.00	93.00	With preschool children ¹	62.60	78.10	94.30
With school children ²	76.30	93.70	113.30	With school children ²	76.20	95.20	115.00

¹Couple, 20-54 years; children, 1-2 and 3-5 years. ²Couple, 20-54 years; children, 6-8 and 9-11 years.
Source: U.S. Dept. of Agriculture, Human Nutrition Information Service, *Family Economics Review*, Summer 1982.

NO. 770. CONSUMER PRICE INDEXES OF RESIDENTIAL RENTS IN SELECTED SMSA's: 1970 TO 1982

[1967 = 100. Annual averages of monthly figures, except as indicated. See Appendix II]

SMSA	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, May
Anchorage, Alaska (Oct. 1967 = 100)	(NA)	114.4	125.5	143.2	152.9	160.4	181.1	158.3	169.1	204.1
Atlanta, Ga.	109.9	125.1	129.0	131.2	135.3	140.0	152.3	168.2	168.4	*197.3
Baltimore, Md.	106.6	121.3	127.4	135.5	143.9	154.8	163.5	173.8	187.7	202.9
Boston, Mass.	115.4	142.9	149.6	156.7	166.2	174.2	183.0	198.8	222.5	238.8
Buffalo, N.Y.	109.3	132.3	140.8	149.3	156.6	162.7	169.2	177.2	185.2	*191.7
Chicago, Ill.-Northwestern Ind.	107.6	127.6	132.8	137.7	142.7	150.6	160.6	172.2	185.0	197.0
Cincinnati, Ohio-Ky.	105.7	115.4	120.1	124.0	133.4	142.9	155.2	169.1	183.5	189.9
Cleveland, Ohio	107.5	118.8	123.7	130.8	139.8	148.7	158.9	170.9	178.7	*187.3
Dallas, Tex.	110.1	116.9	122.1	129.2	140.3	155.5	172.8	191.2	211.1	*221.4
Denver-Boulder, Colo.	(NA)	127.3	130.3	133.5	139.7	153.2	168.8	186.8	204.9	225.0
Detroit, Mich.	111.6	129.8	136.9	141.5	150.6	162.6	176.5	194.1	208.1	211.7
Honolulu, Hawaii	116.1	142.9	150.4	156.8	163.5	174.1	187.3	206.1	224.6	*237.6
Houston, Tex.	106.9	116.1	125.3	140.1	155.8	163.0	172.1	182.8	198.6	*219.0
Kansas City, Mo.-Kans.	106.3	115.3	119.2	124.0	131.3	138.6	148.2	160.3	174.0	*182.0
Los Angeles-Long Beach-Anaheim, Calif.	111.9	128.0	134.8	144.3	157.2	171.7	186.5	211.3	235.2	254.4
Milwaukee, Wis.	109.8	128.8	136.9	144.1	152.5	159.6	168.7	179.8	192.7	208.4
Minneapolis-St. Paul, Minn.	114.2	126.9	132.8	141.5	150.6	160.5	175.8	195.2	214.3	*225.5
New York, N.Y.-Northeast N.J.	110.9	145.0	153.7	162.5	171.4	180.1	188.7	202.5	217.6	230.0
Northeast, Pennsylvania	113.1	143.2	155.9	166.3	176.2	186.2	207.2	220.7	229.3	235.7
Philadelphia, Pa.-N.J.	112.5	136.7	146.4	155.7	166.1	174.4	182.4	194.5	210.2	226.7
Pittsburgh, Pa.	109.0	123.6	129.0	137.0	149.2	162.7	173.9	185.3	198.5	*206.6
Portland, Oreg.-Wash.	109.3	127.9	135.6	145.2	157.9	172.6	188.5	202.6	217.1	223.9
St. Louis, Mo.-Ill.	105.6	112.7	116.1	120.4	127.0	136.8	149.0	165.6	179.2	192.4
San Diego, Calif.	123.6	141.8	148.7	156.3	170.2	185.6	205.5	225.3	243.2	267.2
San Francisco-Oakland, Calif.	119.3	136.7	144.8	153.3	164.7	177.3	190.3	214.3	236.1	*253.7
Seattle, Wash.	109.1	118.1	130.6	141.1	153.6	168.0	195.1	228.1	239.8	248.4
Washington, D.C.-Md.-Va.	109.4	131.6	140.3	149.0	158.4	168.0	181.2	197.2	215.5	232.9

NA Not available. * See headnote, table 762 and text, page 464. * April data.

NO. 771. CONSUMER PRICE INDEXES OF FUELS AND UTILITIES: 1965 TO 1982

[1967 = 100. Represents all urban consumers. A therm = 100,000 Btu's. Annual averages for cities combined. See text, p. 452. See also *Historical Statistics, Colonial Times to 1970*, series E 203-211]

ITEM	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, May
Consumer price index, all items	94.6	116.3	147.7	161.2	170.5	181.5	195.4	217.4	244.5	272.4	287.1
Fuels and other utilities	98.3	107.6	150.2	167.8	182.7	202.2	216.0	239.3	278.5	319.2	345.4
Gas (piped) and electricity	99.4	107.3	145.8	168.6	189.0	213.4	232.6	257.8	301.8	345.9	388.6
Utility (piped) gas	99.6	108.5	143.9	172.5	201.2	239.3	263.1	305.3	363.9	414.9	493.4
Gasoline, regular and premium	94.9	105.6	159.8	170.6	177.9	188.2	198.3	265.6	369.1	410.9	370.4
Electricity (composite)	99.1	106.2	147.5	167.0	177.6	189.3	203.4	219.1	253.4	291.5	314.9
Fuel oil, coal, and bottled gas	94.6	110.1	214.6	235.3	250.8	283.4	298.3	403.1	556.5	675.9	644.6
Fuel oil No. 2	94.4	109.3	213.0	230.6	247.2	280.2	296.9	416.6	579.7	709.2	670.6
Telephone services, residential	100.6	102.5	121.4	125.3	129.6	131.3	132.8	132.4	135.7	147.7	181.6
Water and sewer service, residential	94.4	120.4	154.8	169.9	188.7	209.1	232.6	243.3	259.5	290.8	323.6

Source of tables 770 and 771: U.S. Bureau of Labor Statistics, *Monthly Labor Review*.

NO. 772. AVERAGE PRICE OF RESIDENTIAL UTILITY (PIPED) GAS, ELECTRICITY, AND FUEL OIL NO. 2, SELECTED AREAS: 1980 AND 1981

[In dollars per unit shown. One therm contains approximately 100 cubic feet of natural gas. As of January. For complete SMSA titles, see Appendix II]

AREA	UTILITY (PIPED) GAS (100 therms)		ELECTRICITY (500 kWh)		FUEL OIL No. 2 (gallon)		AREA	UTILITY (PIPED) GAS (100 therms)		ELECTRICITY (500 kWh)		FUEL OIL No. 2 (gallon)	
	1980	1981	1980	1981	1980	1981		1980	1981	1980	1981	1980	1981
U.S. city average	34.83	40.06	28.70	31.56	.929	1.160	L.A., Long Beach-Anaheim	27.07	30.06	28.40	35.09	(NA)	(NA)
Anchorage	19.04	21.00	21.25	25.41	.877	1.118	Miami	45.41	45.43	24.53	29.35	(NA)	(NA)
Atlanta	36.31	41.95	23.44	25.26	(NA)	(NA)	Milwaukee	36.15	45.52	21.50	25.25	.909	1.086
Baltimore	37.89	45.04	26.15	32.57	.857	1.093	Minneapolis-St. Paul	32.35	38.77	24.23	27.23	.919	1.087
Boston	49.43	56.60	30.51	41.27	.922	1.158	New York	51.23	59.97	44.11	53.02	.953	1.175
Buffalo	39.25	44.68	23.90	28.49	.950	1.178	Northeast	39.75	46.75	23.06	24.76	.866	1.105
Chicago	37.51	39.53	27.47	34.47	.958	1.134	Philadelphia	40.71	54.07	31.68	35.49	.895	1.146
Cincinnati	34.17	36.73	23.23	25.57	.918	1.129	Pittsburgh	31.26	35.92	27.28	29.11	(NA)	(NA)
Cleveland	33.42	35.76	29.85	31.40	(NA)	(NA)	Portland, Oreg.	49.48	53.42	18.77	20.34	.921	1.065
Dallas	27.49	35.08	23.19	27.15	(NA)	(NA)	St. Louis	37.79	40.51	23.33	23.23	(NA)	1.127
Denver-Boulder	31.88	42.81	25.80	34.18	(NA)	(NA)	San Diego	29.64	36.05	30.96	51.76	(NA)	(NA)
Detroit	33.91	40.34	26.52	31.73	.918	1.133	San Francisco-Oakland	25.12	30.86	20.58	26.78	(NA)	(NA)
Honolulu	125.95	147.43	36.41	46.31	(NA)	(NA)	Seattle-Everett	48.12	54.02	10.80	11.61	.385	1.134
Houston	23.38	26.93	26.00	26.55	(NA)	(NA)	Wash., D.C.	42.50	44.57	28.40	31.09	.846	1.189
Kansas City	24.58	30.32	26.04	26.04	(NA)	(NA)							

NA Not available. * Excludes Honolulu. * Includes Ft. Worth. * Price is for propane only. * Northeast Pa.

Source: U.S. Bureau of Labor Statistics, *Consumer Prices: Energy*, monthly.

No. 773. AVERAGE RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL MONTHLY BILLS FOR ELECTRICITY: 1970 TO 1981

[Residential, for cities of 2,500 or more population; commercial and industrial, for 455 large cities in United States and Puerto Rico with estimated total population of 77.0 million as of January 1, 1981. Composite average as of January 1, using latest available population weights. kW = kilowatts; kWh = kilowatthours]

ITEM	1970	1975	1980	1981, prel.	ITEM	1970	1975	1980	1981, prel.
RESIDENTIAL					COMMERCIAL—CON.				
Average bill, dollars:					Average bill, cents per kWh:				
500 kWh	10.51	17.93	27.80	32.81	6 kW, 750 kWh	3.8	5.5	7.5	8.9
750 kWh	14.22	24.72	36.94	43.99	12 kW, 1,500 kWh	3.4	5.6	7.6	8.7
1,000 kWh	18.31	32.29	48.79	58.16	30 kW, 6,000 kWh	2.7	4.5	6.4	7.5
Average bill, cents per kWh:					40 kW, 10,000 kWh	2.4	4.1	5.9	6.9
500 kWh	2.1	3.6	5.8	6.5	INDUSTRIAL				
750 kWh	2.0	3.3	4.9	5.9	Average bill, dollars:				
1,000 kWh	1.8	3.2	4.9	5.8	150 kW, 30,000 kWh	548	1,157	1,757	2,114
COMMERCIAL					300 kW, 60,000 kWh	1,163	2,199	3,431	4,128
Average bill, dollars:					1,000 kW, 200,000 kWh	3,492	6,886	10,910	12,758
6 kW, 750 kWh	27	41	57	65	Average bill, cents per kWh:				
12 kW, 1,500 kWh	52	83	114	131	150 kW, 30,000 kWh	2.2	3.9	5.9	7.1
30 kW, 6,000 kWh	163	268	385	449	300 kW, 60,000 kWh	2.0	3.7	5.7	6.9
40 kW, 10,000 kWh	240	408	590	693	1,000 kW, 200,000 kWh	1.8	3.4	5.5	6.4

No. 774. NET MONTHLY RESIDENTIAL ELECTRIC BILLS (RANGE OF LOWEST TO HIGHEST) FOR 500 KILOWATTHOURS USE, 1970 TO 1981, AND BY STATES, 1981

[In dollars. Based on rates as of January 1 for communities of 2,500 inhabitants or more]

YEAR AND STATE	Lowest bill	Highest bill	STATE	Lowest bill	Highest bill	STATE	Lowest bill	Highest bill
1970	4.25	25.00	Florida	18.70	53.85	New Jersey	28.74	50.26
1971	4.26	26.00	Georgia	15.36	35.79	New Mexico	19.50	40.57
1972	4.27	30.37	Hawaii	48.31	73.18	New York	7.23	58.82
1973	4.25	30.37	Idaho	9.50	27.70	North Carolina	7.00	36.82
1974	4.25	30.37	Illinois	19.56	40.19	North Dakota	12.45	26.05
1975	5.10	41.14	Indiana	15.47	35.98	Ohio	15.45	37.99
1976	4.68	41.13	Iowa	16.00	37.73	Oklahoma	21.79	37.80
1977	4.68	41.13	Kansas	17.95	38.25	Oregon	6.58	21.81
1978	4.68	47.14						
1979	4.68	55.97	Kentucky	16.48	26.64	Pennsylvania	16.00	36.88
1980 ¹	5.64	64.47	Louisiana	11.00	41.18	Rhode Island	43.88	54.72
1981	4.59	73.18	Maine	17.80	39.54	South Carolina	20.35	34.80
Alabama	13.83	31.51	Maryland	23.54	44.56	South Dakota	14.70	34.78
Alaska	22.89	42.50	Massachusetts	19.52	54.84	Tennessee	16.48	21.27
Arizona	24.99	41.80	Michigan	17.10	36.18	Texas	11.59	43.88
Arkansas	11.84	36.09	Minnesota	12.43	45.63	Utah	14.85	40.70
California	9.95	49.46	Mississippi	16.49	36.85	Vermont	21.00	36.83
Colorado	13.47	31.97	Missouri	16.40	36.84	Virginia	17.74	37.31
Connecticut	35.90	46.79	Montana	13.12	22.78	Washington	4.59	18.89
Delaware	33.02	52.32	Nebraska	16.84	35.97	West Virginia	20.57	32.77
District of Columbia	26.95	26.95	Nevada	10.60	39.83	Wisconsin	15.95	30.10
			New Hampshire	32.11	47.86	Wyoming	14.20	33.70

¹ Beginning in 1980, the bill does not include water heating usage.

Source of tables 773 and 774: Through 1975, U.S. Federal Power Commission, *Typical Electric Bills*, annual; thereafter, U.S. Energy Information Administration, *Typical Electric Bills*, annual.

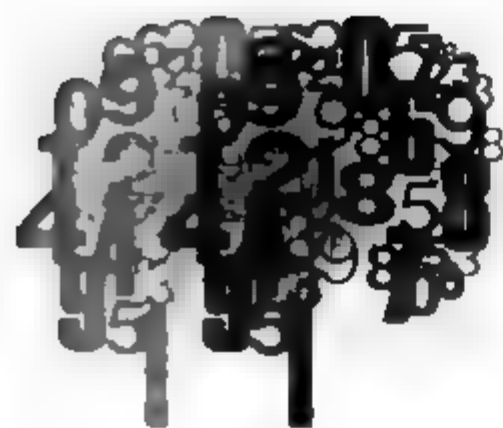
No. 775. AVERAGE PRICES OF SELECTED FUELS AND UTILITIES: 1970 TO 1982

[Represents retail price, except as noted]

ITEM	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982
Crude oil, composite ¹	Dol. per bbl.	3.40	4.15	10.36	10.89	11.96	12.48	17.72	26.07	35.64 ²
Gasoline, average retail ²										
Leaded regular	Cents per gal.	35.7	38.8	58.7	59.0	62.2	62.6	65.7	119.1	131.1 ³
Unleaded regular	Cents per gal.	(NA)	(NA)	(NA)	61.4	65.6	67.0	69.3	124.5	137.8 ³
Leaded premium	Cents per gal.	(NA)	(NA)	60.9	63.6	67.4	69.4	72.2	126.1	143.9 ³
No. 2 heating oil, residential	Cents per gal.	18.5	22.8	37.7	40.8	46.0	49.4	65.6	97.8	120.5 ³
Diesel fuel No. 2	Cents per gal.	(NA)	(NA)	(NA)	34.7	39.3	40.2	62.4	87.3	106.2 ³
Natural gas, residential	Cents per 1,000 cu. ft.	62.0	108.2	154.2	164.6	226.4	262.6	323.1	394.6	455.7 ³
Residual fuel oil	Dol. per bbl.	(NA)	(NA)	(NA)	11.49	13.23	12.75	18.67	26.09	32.50 ³
Electric utilities, residential	Cents per kWh	2.22	2.54	3.51	3.73	4.05	4.31	4.64	5.36	6.20 ³

NA Not available. ¹ Refiner acquisition cost. ² As of March. ³ Full-service. ⁴ As of February.

⁵ Energy Information Administration, *Monthly Energy Review*.



Section 16

Elections

This section relates primarily to Presidential, congressional, and gubernatorial elections. Also presented are summary tables on congressional legislation, Black and female officeholders, population of voting age, voter participation, and campaign finances.

Official statistics on Federal elections, collected by the Clerk of the House, are published biennially in *Statistics of the Presidential and Congressional Election* and *Statistics of the Congressional Election*. Federal and State elections data appear also in *America Votes*, a biennial volume of the Elections Research Center, Washington, D.C. Federal elections data also appear in the U.S. Congress, *Congressional Directory*, and in official State documents. Data on reported registration and voting are obtained by the U.S. Bureau of the Census as part of the Current Population Survey (CPS) and are published in *Current Population Reports*, series P-20 (see text, p. 2).

Almost all Federal, State, and local governmental units in the United States conduct elections at various intervals for different offices and other purposes. The conduct of elections is regulated by State laws or, in some cities and counties, by local charter. An exception is that the U.S. Constitution prescribes the basis of representation in Congress and the manner of electing the President, and grants to Congress the right to regulate the times, places, and manner of electing Federal officers. Amendments to the Constitution have prescribed national criteria for voting eligibility. The 15th Amendment, adopted in 1870, gave all citizens the right to vote regardless of race, color, or previous condition of servitude. The 19th Amendment, adopted in 1919, further extended the right to vote to all citizens regardless of sex. The payment of poll taxes as a prerequisite to voting in Federal elections was banned by the 24th Amendment in 1964. In 1971, as a result of the 26th Amendment, eligibility to vote in national elections was extended to all citizens, 18 years old and over.

Presidential election.—The Constitution specifies how the President and Vice President are selected. Each State elects, by popular vote, a group of electors equal in number to its total of members of Congress. Subsequent to the election, the electors meet in their respective States to vote for President and Vice President. Usually, each elector votes for the candidate receiving the most popular votes in his or her State. A majority vote of all electors is necessary to elect the President and Vice President. If no candidate receives a majority, the House of Representatives, with each State having one vote, is empowered to elect the President and Vice President, again, with a majority of votes required.

The 22d Amendment to the Constitution, adopted in 1951, limits presidential tenure to 2 elective terms of 4 years each, or to 1 elective term for any person who, upon succession to the Presidency, has held the office or acted as President for more than 2 years. The 23d Amendment, adopted in 1961, grants the District of Columbia 3 presidential electors, a number equal to that of the least populous State.

Congressional election.—The Constitution provides that Representatives be apportioned among the States according to their population; that a census of population be taken every 10 years as a basis for apportionment; and that each State have at least 1 Representative. At the time of each apportionment, Congress decides what the total number of Representatives will be. Since 1912, the total has been 435, except during 1960 to 1962 when it increased to 437, adding 1 Representative each for Alaska and Hawaii. The total reverted to 435 after reapportionment following the 1960 census. Members are elected for 2-year terms, all terms covering the same period. The District of Columbia, American Samoa, Guam, and the Virgin Islands each elect one nonvoting Delegate and Puerto Rico elects a nonvoting Resident Commissioner.

The Senate is composed of 100 members, 2 from each State, who are elected to serve for a term of 6 years. One-third of the Senate is elected every 2 years. Senators were originally chosen by the State legislatures. The 17th Amendment to the Constitution, adopted in 1913, prescribed that Senators be elected by popular vote.

Voter eligibility and participation.—The Census Bureau publishes estimates of the population of voting age and the percent casting votes in each State for Presidential and congressional election years. Voting-age population estimates include a number of persons who meet the age requirement but are not eligible to vote (for example, aliens and institutionalized persons). Since 1964, voter participation and voter characteristics data based on the CPS (see above) conducted during November of election years have also been issued biennially.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 776. VOTE CAST FOR PRESIDENT, BY POLITICAL PARTIES: 1920 TO 1980

[Prior to 1980, excludes Alaska and Hawaii; prior to 1964, excludes District of Columbia. Vote cast for major party candidates includes the votes of minor parties cast for those candidates. See also *Historical Statistics, Colonial Times to 1970*, series Y 79-83 and Y 135]

YEAR	CANDIDATES FOR PRESIDENT		VOTE CAST FOR PRESIDENT						
	Democratic	Republican	Total popular vote ¹	Democratic			Republican		
				Popular vote		Elec-toral vote	Popular vote		Elec-toral vote
				Number	Per-cent		Number	Per-cent	
1920	Cox	Harding	1,000 26,748	1,000 9,130	34.1	127	1,000 16,143	60.4	404
1924	Davis	Coolidge	29,086	8,385	28.8	136	15,718	54.0	362
1928	Smith	Hoover	36,812	15,016	40.8	87	21,392	58.1	444
1932	F. D. Roosevelt	Hoover	39,732	22,810	57.4	472	15,759	39.7	59
1936	F. D. Roosevelt	Landon	45,643	27,753	60.8	523	16,675	36.5	8
1940	F. D. Roosevelt	Willkie	49,900	27,313	54.7	449	22,348	44.8	82
1944	F. D. Roosevelt	Dewey	47,977	25,613	53.4	432	22,018	45.9	99
1948	Truman	Dewey	48,794	24,179	49.6	303	21,991	45.1	189
1952	Stevenson	Eisenhower	61,551	27,315	44.4	89	33,936	55.1	442
1956	Stevenson	Eisenhower	62,027	26,023	42.0	73	35,500	57.4	457
1960	Kennedy	Nixon	68,838	34,227	49.7	303	34,108	49.5	219
1964	Johnson	Goldwater	70,645	43,130	61.1	486	27,178	38.5	52
1968	Humphrey	Nixon	73,212	31,275	42.7	191	31,785	43.4	301
1972	McGovern	Nixon	77,719	29,170	37.5	17	47,170	60.7	520
1976	Carter	Ford	81,556	40,631	50.1	297	39,148	48.0	240
1980	Carter	Reagan	86,515	35,484	41.0	49	43,904	50.7	489

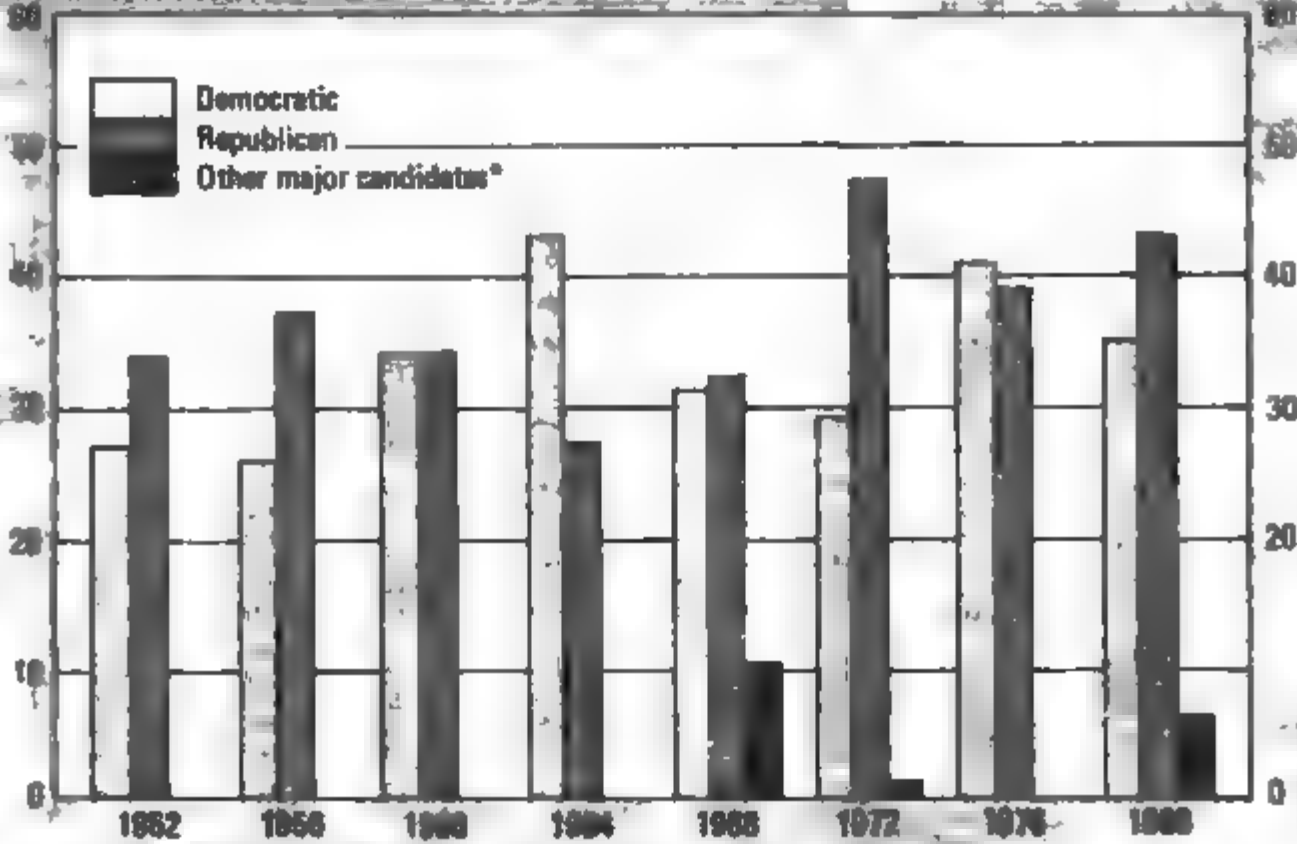
YEAR	VOTE CAST FOR PRESIDENT—Con.	YEAR	VOTE CAST FOR PRESIDENT—Con.
	LEADING OTHER CANDIDATES		LEADING OTHER CANDIDATES—Con.
1920	Eugene Debs, Socialist, 919,789. P. P. Christensen, Farmer-Labor, 265,411.	1952	Vincent Hallinan, Progressive, 140,023. Stuart Hamblen, Prohibition, 72,949.
1924	Robert LaFollette, Progressive, 4,831,289. Herman P. Faris, Prohibition, 57,520.	1956	T. Coleman Andrews, States' Rights, 111,178. Eric Hass, Socialist Labor, 44,450.
1928	Norman Thomas, Socialist, 267,835. Verne L. Reynolds, Socialist Labor, 21,603.	1960	Eric Hass, Socialist Labor, 47,522. Rutherford Decker, Prohibition, 46,203.
1932	Norman Thomas, Socialist, 881,951. William Z. Foster, Communist, 102,785.	1964	Eric Hass, Socialist Labor, 45,219. Clifton DeBerry, Socialist Workers, 32,720.
1936	William Lemke, Union, 882,479. Norman Thomas, Socialist, 187,720.	1968	George Wallace, Amer. Indep., 9,906,473. Henning Blomen, Socialist Labor, 52,588.
1940	Norman Thomas, Socialist, 99,557. Roger Babeon, Prohibition, 57,812.	1972	John Schmitz, American, 1,099,482. Benjamin Spock, People's, 78,756.
1944	Norman Thomas, Socialist, 80,518. Claude Watson, Prohibition, 74,758.	1976	Eugene McCarthy, Independent, 756,691. Roger MacBride, Libertarian, 173,011.
1948	Strom Thurmond, States' Rights, 1,176,125. Henry Wallace, Progressive, 1,157,326.	1980	John Anderson, Independent, 5,720,060. Ed Clark, Libertanan, 921,299.

¹ Includes votes for minor party candidates, independents, unpledged electors, and scattered write-in votes.

Source: 1920-1936, Edgar Eugene Robinson, *The Presidential Vote and They Voted for Roosevelt*, Stanford University Press, Stanford, Calif., 1934 and 1947, respectively. 1940-1964 and 1968-1980, Elections Research Center, Washington, D.C., *America at the Polls* and *America Votes*, biennial, respectively (copyright).

Figure 16.1
Popular Vote Cast for President, by Major Party: 1952 to 1988

Millions of votes

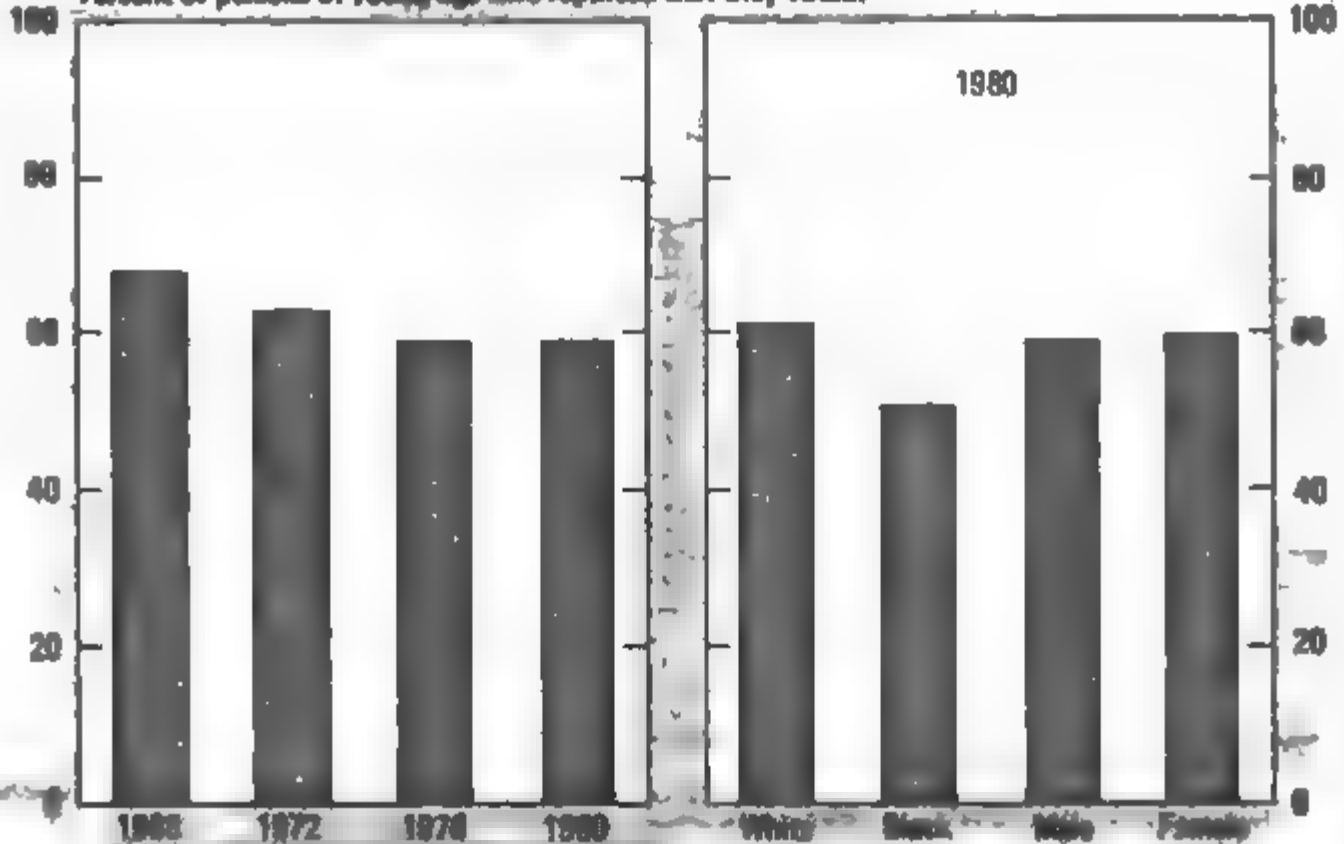


*1968 and 1972—American Independent; 1960—John Anderson.

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 776.

Figure 16.2
Voter Participation in Presidential Elections: 1960 to 1980

Percent of persons of voting age who reported that they voted.



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 805.

**NO. 777. ELECTORAL VOTE CAST FOR PRESIDENT, BY MAJOR POLITICAL PARTIES—STATES:
1940 TO 1980**

[D=Democratic, R=Republican. For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series Y 64-134]

REGION AND STATE	1940	1944	1948 ¹	1952	1956 ²	1960 ³	1964	1968 ⁴	1972 ⁵	1976 ⁶	1980
Democratic	440	432	303	88	73	303	488	181	17	287	49
Republican	82	88	188	442	457	219	82	301	530	240	489
Northeast: Dem	132	130	20	-	-	121	126	102	14	86	4
Rep	8	8	118	133	133	12	-	24	108	28	118
North Central: Dem	93	73	101	-	13	71	149	31	-	58	10
Rep	68	82	54	153	140	82	-	118	145	87	135
South: Dem	106	167	117	88	60	101	121	45	3	148	31
Rep	-	-	11	77	105	50	47	77	105	20	138
West: Dem	58	82	65	-	-	10	80	13	-	4	4
Rep	8	9	8	79	79	75	5	82	102	97	96
Alabama	D-11	D-11	(-)	D-11	¹ D-10	¹ D-5	R-10	(-)	R-8	D-8	
Alaska	(X)	(X)	(X)	(X)	(X)	R-3	D-3	R-3		R-3	R-3
Arizona	D-3	D-4	D-4	R-4	R-4	R-4	R-5	R-5	R-6		R-6
Arkansas	D-9	D-9	D-8	D-8	D-8	D-8	D-8	(-)	R-6	D-6	
California	D-22	D-26	D-25	R-32	R-32	R-32	D-40	R-40	R-45	R-45	R-45
Colorado	R-6	R-6	D-8	R-6	R-6	R-6	D-6	R-6	R-7	R-7	R-7
Connecticut	D-8	D-8	R-8	R-8	R-8	D-8	D-8	D-8	R-8	R-8	R-8
Delaware	D-3	D-3	R-3	R-3	R-3	D-3	D-3	R-3	R-3	D-3	R-3
District of Columbia	(X)	(X)	(X)	(X)	(X)	(X)	D-3	D-3	D-3	D-3	D-3
Florida	D-7	D-8	D-8	R-10	R-10	R-10	D-14	R-14	R-17	D-17	R-17
Georgia	D-12	D-12	D-12	D-12	D-12	D-12	R-12	(-)	R-12	D-12	D-12
Hawaii	(X)	(X)	(X)	(X)	(X)	D-3	D-4	D-4	R-4	D-4	D-4
Idaho	D-4	D-4	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	
Illinois	D-28	D-28	D-28	R-27	R-27	D-27	D-28	R-28	R-28	R-28	R-28
Indiana	R-14	R-13	R-13	R-13		R-13	D-13	R-13	R-13	R-13	R-13
Iowa	R-11	R-10	D-10	R-10	R-10	R-10		R-8		R-8	R-8
Kansas	R-8	R-8	R-8	R-8	R-8	R-8	D-7	R-7	R-7	R-7	R-7
Kentucky	D-11	D-11	D-11	D-10	R-10	R-10	D-9	R-9	R-9	D-9	R-9
Louisiana	D-10	D-10	(-)	D-10	R-10	D-10	R-10	(-)	R-10	D-10	R-10
Maine	R-5	R-5	R-5	R-5	R-5	R-5	D-4	D-4	R-4	R-4	R-4
Maryland	D-8	D-8	R-8	R-8	R-8	D-9	D-10	D-10	R-10	D-10	D-10
Massachusetts	D-17	D-16	D-16	R-16	R-16	D-16	D-14	D-14	D-14	D-14	R-14
Michigan	R-19	D-19	R-19	R-20	R-20	D-20	D-21	D-21	R-21	R-21	R-21
Minnesota	D-11	D-11	D-11	R-11	R-11	D-11	D-10		R-10	D-10	D-10
Mississippi	D-9	D-8	(-)	D-8	D-8	(-)	R-7	(-)	R-7	D-7	R-7
Missouri	D-15	D-15	D-15	R-13	D-13	D-13	D-12	R-12	R-12	D-12	R-12
Montana	D-4	D-4	D-4	R-4	R-4		D-4	R-4	R-4	R-4	R-4
Nebraska	R-7	R-6	R-6	R-6	R-6	R-6		R-6	R-6	R-5	R-5
Nevada	D-3	D-3	D-3	R-3	R-3	D-3	D-3	R-3	R-3		R-3
New Hampshire	D-4	D-4	R-4	R-4	R-4	R-4		R-4	R-4	R-4	R-4
New Jersey	D-16	D-16	R-16	R-16	R-16	D-16	D-17	R-17	R-17	R-17	R-17
New Mexico	D-3	D-4	D-4	R-4	R-4	D-4	D-4	R-4	R-4	R-4	R-4
New York	D-47	D-47	R-47	R-45	R-45	D-45	D-43	D-43	R-41	D-41	R-41
North Carolina	D-13	D-14	D-14	D-14	D-14	D-14	D-13	⁴ R-12	R-13	D-13	R-13
North Dakota	R-4	R-4	R-4	R-4	R-4	R-4		R-4	R-3	R-3	R-3
Ohio	D-26	R-26	D-25	R-25	R-25	R-25	D-26	R-26	R-25	D-25	R-25
Oklahoma	D-11	D-10	D-10	R-8	R-8	¹ R-7	D-8	R-8	R-8	R-8	R-8
Oregon	D-5	D-6	R-6	R-6	R-6	R-6	D-6	R-6	R-6	R-6	R-6
Pennsylvania	D-36	D-36	R-35	R-32	R-32	D-32	D-29	D-28	R-27	D-27	R-27
Rhode Island	D-4	D-4	D-4	R-4	R-4	D-4	D-4	D-4	R-4	D-4	
South Carolina	D-8	D-8	(-)	D-8	D-8	D-8		R-8	R-8		
South Dakota	R-4	R-4	R-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4
Tennessee	D-11	D-12	¹ D-11	R-11	R-11	R-11	D-11	R-11	R-10	D-10	R-10
Texas	D-23	D-23	D-23	R-24	R-24	D-24	D-25	D-25	R-26	D-26	R-26
Utah	D-4	D-4	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	
Vermont	R-3	R-3	R-3	R-3	R-3	R-3	D-3		R-3		R-3
Virginia	D-11	D-11	D-11	R-12	R-12	R-12	D-12	R-12	⁵ R-11	R-12	R-12
Washington	D-8	D-8	D-8			R-9					R-8
West Virginia	D-6	D-6	D-6	D-6	R-6	D-6	D-7	D-7	R-6	D-6	D-6
Wisconsin	D-12	R-12	D-12	R-12	R-12	R-12	D-12	R-12	R-11	D-11	R-11
Wyoming	D-3	R-3	D-3	R-3	R-3	R-3	D-3	R-3	R-3	R-3	

- Represents zero. X Not applicable. ¹Excludes 38 electoral votes cast for States Rights Democratic candidates as follows: Alabama 11, Louisiana 10, Mississippi 8, South Carolina 8, and Tennessee 1. ²Excludes 1 electoral vote cast for Walter B. Jones. ³Excludes 15 electoral votes cast for Harry F. Byrd as follows: Alabama 6, Mississippi 8, and Oklahoma 1. ⁴Excludes 46 electoral votes cast for George C. Wallace as follows: Alabama 10, Arkansas 6, Georgia 12, Louisiana 10, Mississippi 7, North Carolina 1. ⁵Excludes 1 electoral vote cast for John Hospers. ⁶Excludes 1 electoral vote cast for Ronald Reagan.

Source: 1940-1972, U.S. Congress, Clerk of the House, *Statistics of the Presidential and Congressional Election*; thereafter, Elections Research Center, Washington, D.C., *America Votes*, biennial. (Copyright).

NO. 778. POPULAR VOTE CAST FOR PRESIDENT, AND PERCENT OF VOTE FOR LEADING PARTY, BY
REGIONS AND STATES: 1948 TO 1968

In thousands, except percent. D=Democratic, R=Republican. Leading party vote refers to the party vote representing either a majority or a plurality for the victorious party in the area shown. For composition of regions, see fig. 1, inside front cover. See also tables 776 and 779, and *Historical Statistics, Colonial Times to 1970*, series Y 135-186.

REGION AND STATE	1948		1952		1956		1960		1964		1968	
	Total vote cast	Percent for leading party	Total vote cast	Percent for leading party	Total vote cast	Percent for leading party	Total vote cast	Percent for leading party	Total vote cast	Percent for leading party	Total vote cast	Percent for leading party
Total	48,794	D-48.6	81,661	R-55.1	62,027	R-57.4	88,538	D-48.7	70,648	D-61.1	73,212	R-43.4
Northeast	15,800	R-47.8	18,801	R-55.1	18,782	R-60.7	20,053	D-52.7	19,623	D-58.3	19,240	D-50.2
North Central	17,640	D-50.3	21,153	R-57.8	21,114	R-58.6	22,979	R-52.2	22,208	D-61.3	22,208	R-46.8
South	8,244	D-52.6	12,445	D-50.5	12,478	R-51.1	14,389	D-49.9	16,597	D-53.3	19,177	R-36.4
West	7,209	D-49.4	9,151	R-57.3	9,654	R-56.4	11,417	R-51.1	12,214	D-59.4	12,590	R-48.7
Alabama	215	(¹)	426	D-64.6	497	D-56.5	570	D-56.8	690	R-69.5	1,050	(¹)
Alaska	(x)	(x)	(x)	(x)	(x)	(x)	61	R-50.9	67	D-65.9	83	R-45.3
Arizona	177	D-53.8	261	R-58.3	290	R-61.0	398	R-55.5	481	R-50.4	487	R-54.8
Arkansas	242	D-61.7	405	D-55.9	407	D-52.5	429	D-50.2	580	D-56.1	620	(²)
California	4,022	D-47.6	5,142	R-56.3	5,488	R-55.4	6,507	R-50.1	7,058	D-59.1	7,252	R-47.8
Colorado	515	D-51.9	630	R-60.3	657	R-60.0	736	R-54.8	777	D-61.3	811	R-50.5
Connecticut	864	R-49.5	1,097	R-55.7	1,117	R-63.7	1,223	D-53.7	1,219	D-57.8	1,258	D-49.5
Delaware	139	R-50.0	174	R-61.8	178	R-55.1	197	D-50.6	201	D-60.9	214	R-45.1
Dist. of Columbia	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	199	D-85.5	171	D-81.8
Florida	578	D-48.8	969	R-55.0	1,126	R-57.2	1,544	R-51.5	1,854	D-51.1	2,188	R-40.5
Georgia	419	D-60.8	656	D-69.7	670	D-66.4	733	D-62.5	1,139	R-54.1	1,250	(³)
Hawaii	(x)	(x)	(x)	(x)	(x)	(x)	185	(²)	207	D-78.8	236	D-59.8
Idaho	215	D-50.0	276	R-65.4	273	R-61.2	300	R-53.8	292	D-50.9	291	R-56.8
Illinois	3,984	D-50.1	4,481	R-54.8	4,407	R-59.5	4,757	D-50.0	4,703	D-59.5	4,820	R-47.1
Indiana	1,856	R-49.6	1,956	R-58.1	1,875	R-59.9	2,135	R-55.0	2,092	D-58.0	2,124	R-50.3
Iowa	1,036	D-50.3	1,269	R-63.8	1,235	R-58.1	1,274	R-56.7	1,185	D-61.8	1,168	R-53.0
Kansas	789	R-53.6	886	R-68.8	866	R-65.4	929	R-60.4	868	D-54.1	873	R-54.8
Kentucky	823	D-58.7	993	D-49.9	1,054	R-54.3	1,124	R-53.6	1,046	D-64.0	1,056	R-43.8
Louisiana	416	(¹)	652	D-52.9	618	R-53.3	806	D-50.4	896	R-58.8	1,097	(³)
Maine	265	R-56.4	352	R-66.0	352	R-70.9	422	R-57.0	381	D-66.8	393	D-55.3
Maryland	597	R-49.4	902	R-55.4	933	R-60.0	1,055	D-53.6	1,116	D-65.5	1,236	D-43.6
Massachusetts	2,107	D-54.7	2,383	R-54.2	2,349	R-59.3	2,489	D-60.2	2,345	D-76.2	2,332	D-63.0
Michigan	2,110	R-49.2	2,799	R-55.4	3,080	R-55.8	3,318	D-50.9	3,203	D-66.7	3,306	D-48.2
Minnesota	1,212	D-57.2	1,379	R-55.3	1,340	R-53.7	1,542	D-50.6	1,554	D-63.8	1,589	D-54.0
Mississippi	192	(¹)	286	D-60.4	248	D-58.2	298	(¹)	409	R-67.1	655	(²)
Missouri	1,579	D-58.1	1,892	R-50.7	1,833	D-50.1	1,934	D-50.3	1,818	D-64.0	1,810	R-44.9
Montana	224	D-53.1	265	R-59.4	271	R-57.1	278	R-51.1	279	D-58.9	274	R-50.6
Nebraska	489	R-54.2	610	R-69.2	577	R-65.5	613	R-62.1	584	D-52.6	537	R-59.8
Nevada	62	D-50.4	82	R-61.4	97	R-58.0	107	D-51.2	135	D-58.6	154	R-47.6
New Hampshire	231	R-52.4	273	R-60.9	267	R-66.1	296	R-53.4	288	D-63.9	297	R-52.1
New Jersey	1,950	R-50.3	2,419	R-56.8	2,484	R-64.7	2,773	D-50.0	2,848	D-65.6	2,875	R-48.1
New Mexico	187	D-56.4	239	R-55.4	254	R-57.6	311	D-50.2	329	D-59.0	327	R-51.8
New York	6,177	R-46.0	7,128	R-55.5	7,096	R-61.2	7,291	D-52.5	7,166	D-66.6	6,792	D-49.7
North Carolina	791	D-56.0	1,211	D-53.9	1,166	D-50.7	1,369	D-52.1	1,425	D-56.2	1,587	R-39.5
North Dakota	221	R-62.2	270	R-71.0	254	R-61.7	275	R-55.4	258	D-58.0	248	R-56.9
Ohio	2,936	D-49.5	3,701	R-56.6	3,702	R-61.1	4,162	R-53.3	3,969	D-62.9	3,990	R-45.2
Oklahoma	722	D-62.7	949	R-54.6	859	R-55.1	903	R-59.0	932	D-55.7	943	R-47.7
Oregon	524	R-49.8	695	R-60.5	736	R-55.2	776	R-52.6	786	D-63.7	820	R-49.8
Pennsylvania	3,735	R-50.9	4,581	R-62.7	4,577	R-58.5	5,007	D-51.1	4,823	D-64.9	4,748	D-47.6
Rhode Island	328	D-57.6	414	R-50.9	388	R-58.3	406	D-63.6	390	D-60.9	385	D-64.0
South Carolina	143	(¹)	341	D-50.7	301	D-45.4	387	D-51.2	525	R-58.9	667	R-38.1
South Dakota	250	R-51.8	294	R-69.3	294	R-58.4	306	R-58.2	293	D-55.6	281	R-53.3
Tennessee	550	D-49.1	893	R-60.0	839	R-49.2	1,052	R-52.9	1,144	D-55.5	1,249	R-37.6
Texas	1,250	D-66.0	2,076	R-53.1	1,955	R-55.3	2,311	D-50.5	2,627	D-63.3	3,079	D-41.1
Utah	278	D-54.0	330	R-58.9	334	R-64.6	375	R-54.8	401	D-54.7	423	R-56.5
Vermont	123	R-61.5	154	R-71.5	153	R-72.2	167	R-58.6	163	D-68.3	161	R-52.8
Virginia	419	D-47.9	620	R-66.3	696	R-55.4	771	R-52.4	1,042	D-53.5	1,361	R-43.4
Washington	906	D-52.6	1,103	R-54.3	1,151	R-63.9	1,242	R-50.7	1,269	D-62.0	1,304	D-47.2
West Virginia	749	D-57.3	874	D-61.9	831	R-54.1	836	D-52.7	792	D-67.9	754	D-49.6
Wisconsin	1,277	D-50.7	1,807	R-61.0	1,551	R-61.6	1,729	R-51.8	1,692	D-62.1	1,692	D-47.9
Wyoming	101	D-51.6	129	R-62.7	124	R-60.1	141	R-55.0	143	D-56.6	127	R-55.6

x Not applicable. ¹Vote represented a victory for Thurmond (States Rights Democratic Party) as follows: Alabama, 79.7 percent; Louisiana, 49.1 percent; Mississippi, 87.2 percent; and South Carolina, 72.0 percent. ²Vote represented a victory for Wallace (American Independent Party) as follows: Alabama, 65.8 percent; Arkansas, 38.9 percent; Georgia, 42.9 percent; Louisiana, 48.3 percent; and Mississippi, 63.4 percent. ³Percentages of 50.0 for both parties based on following vote: Democratic, 82,410; Republican, 82,295. ⁴Vote represented a victory for unpledged Democratic electors: 39.0 percent.

Source: 1948, Elections Research Center, Washington, D.C., *America at the Polls* (copyright); 1952 and 1956, U.S. Bureau of the Census, *Congressional District Data Book* (Districts of the 86th Congress), 1963; and 1960-1968, U.S. Congress, Clerk of the House, *Statistics of the Presidential and Congressional Election*.

**NO. 779. POPULAR VOTE CAST FOR PRESIDENT, BY POLITICAL PARTIES—REGIONS AND STATES:
1972 TO 1980**

(In thousands, except percent. D=Democratic, R=Republican. See headnote, table 776. See also *Historical Statistics, Colonial Times to 1970*, series Y 135-185)

REGION AND STATE	1972				1976				1980			
	Total ¹	Democ- ratic Party	Re- pub- lican Party	Per- cent for leading party	Total ¹	Democ- ratic Party	Re- pub- lican Party	Per- cent for leading party	Total ¹	Democ- ratic Party	Re- pub- lican Party	Per- cent for leading party
Total	77,719	22,179	47,179	R-60.7	81,556	40,831	38,148	D-50.1	88,516	35,484	43,904	R-69.7
Northeast	19,952	6,278	11,483	R-57.6	19,520	9,929	9,272	D-50.9	19,206	8,019	9,147	R-47.6
North Central	23,190	9,127	13,711	R-59.1	24,155	11,671	11,995	R-49.7	25,178	10,291	12,827	R-60.9
South	20,048	6,067	13,666	R-68.2	23,196	12,520	10,384	D-54.0	25,813	11,554	13,118	R-60.9
West	14,529	5,679	8,309	R-57.2	14,882	6,711	7,488	R-51.0	16,318	5,820	8,813	R-64.0
Ala.	1,006	257	729	R-72.4	1,183	659	504	D-55.7	1,342	637	654	R-48.6
Alaska	85	33	55	R-58.1	124	44	72	R-57.9	158	42	86	R-54.3
Ariz.	623	199	403	R-64.7	743	268	419	R-58.4	874	247	530	R-60.6
Ark.	651	200	449	R-68.9	788	499	266	D-65.0	638	398	403	R-48.1
Calif.	8,368	3,476	4,802	R-55.0	7,887	3,742	3,882	R-49.3	6,567	3,084	4,525	R-52.7
Colo.	954	330	597	R-62.6	1,082	460	584	R-54.0	1,184	368	652	R-55.1
Conn.	1,384	556	811	R-58.6	1,382	648	719	R-52.1	1,406	542	677	R-48.2
Del.	238	92	140	R-59.6	236	123	110	D-52.0	236	106	111	R-47.2
D.C.	163	126	35	D-78.1	189	138	28	D-81.8	175	131	24	D-74.8
Fla.	2,583	716	1,856	R-71.9	3,151	1,636	1,470	D-51.9	3,687	1,419	2,047	R-55.5
Ga.	1,176	290	691	R-75.0	1,487	679	484	D-66.7	1,507	691	654	D-55.6
Hawaii	270	101	169	R-62.5	261	147	140	D-50.6	309	136	130	D-44.8
Idaho	310	81	199	R-64.2	344	127	204	R-59.3	437	110	291	R-68.5
Ill.	4,723	1,913	2,786	R-59.0	4,719	2,271	2,364	R-50.1	4,750	1,981	2,368	R-49.6
Ind.	2,126	709	1,406	R-66.1	2,220	1,015	1,184	R-53.3	2,242	844	1,256	R-68.0
Iowa	1,226	496	706	R-57.6	1,279	620	633	R-49.5	1,318	509	676	R-51.3
Kans.	916	270	620	R-67.7	956	430	503	R-52.5	980	326	587	R-57.9
Ky.	1,067	371	676	R-63.4	1,167	616	532	D-52.8	1,296	616	635	R-48.1
La.	1,051	298	687	R-65.3	1,278	661	587	D-51.7	1,548	708	793	R-51.2
Maine	417	161	256	R-61.5	483	232	226	R-48.9	523	221	239	R-45.6
Md.	1,354	506	829	R-61.3	1,440	760	673	D-52.8	1,540	726	681	D-47.1
Mass.	2,459	1,333	1,112	D-54.2	2,548	1,429	1,030	D-56.1	2,524	1,054	1,068	R-41.9
Mich.	3,480	1,459	1,982	R-58.2	3,654	1,697	1,894	R-51.8	3,810	1,662	1,915	R-49.0
Minn.	1,742	802	898	R-51.6	1,950	1,070	819	D-54.9	2,052	954	873	D-46.5
Miss.	546	127	505	R-78.2	769	381	367	D-49.6	693	429	441	R-49.4
Mo.	1,856	697	1,154	R-62.2	1,954	998	927	D-51.1	2,100	931	1,074	R-51.2
Mont.	318	120	184	R-57.9	329	149	174	R-52.8	364	118	207	R-56.8
Nebr.	578	170	408	R-70.5	608	234	360	R-59.2	641	167	420	R-65.9
Nev.	182	66	116	R-63.7	202	92	101	R-50.2	248	87	155	R-62.5
N.H.	334	116	214	R-64.0	340	148	186	R-54.7	384	109	222	R-57.7
N.J.	2,997	1,102	1,846	R-61.8	3,014	1,445	1,510	R-50.1	2,976	1,147	1,547	R-52.0
N. Mex.	386	141	236	R-61.0	418	201	211	R-50.5	457	169	251	R-54.9
N.Y.	7,168	2,951	4,183	R-58.5	6,534	3,380	3,101	D-51.9	6,202	2,729	2,894	R-48.7
N.C.	1,519	439	1,055	R-69.5	1,679	927	742	D-55.2	1,856	876	915	R-49.3
N. Dak.	281	100	174	R-62.1	297	136	153	R-51.8	302	79	194	R-64.2
Ohio	4,085	1,559	2,442	R-59.6	4,112	2,012	2,001	D-48.9	4,284	1,752	2,207	R-51.9
Ola.	1,030	247	759	R-73.7	1,092	532	546	R-50.0	1,150	402	686	R-60.5
Oreg.	928	363	487	R-52.4	1,030	490	492	R-47.6	1,162	457	571	R-46.3
Pa.	4,562	1,797	2,715	R-59.1	4,821	2,329	2,206	D-50.4	4,562	1,936	2,282	R-49.6
R.I.	418	195	220	R-53.0	411	226	161	D-55.4	418	198	155	D-47.7
S.C.	874	187	477	R-70.8	803	451	346	D-56.2	894	430	442	R-49.4
S. Dak.	307	140	186	R-54.2	301	147	152	R-50.4	328	104	199	R-60.5
Tenn.	1,201	357	813	R-67.7	1,476	626	634	D-55.9	1,618	783	786	R-48.7
Tex.	3,471	1,154	2,299	R-66.2	4,072	2,082	1,953	D-51.1	4,542	1,881	2,511	R-55.3
Utah	478	126	324	R-67.8	541	182	338	R-62.4	604	124	440	R-72.8
Vt.	187	68	117	R-62.7	188	81	102	R-54.4	213	82	95	R-44.4
Va.	1,457	439	986	R-67.8	1,697	614	637	R-49.3	1,868	752	960	R-53.0
Wash.	1,471	568	837	R-55.9	1,556	717	778	R-50.0	1,742	650	865	R-49.7
W. Va.	782	277	485	R-63.8	751	436	315	D-58.0	738	367	334	D-49.8
Wis.	1,853	810	989	R-53.4	2,104	1,040	1,005	D-49.4	2,272	982	1,089	R-47.9
Wyo.	146	44	100	R-69.0	156	62	93	R-59.3	177	49	111	R-62.6

¹Includes other parties.

Source: 972, U.S. Congress, Clerk of the House, *Statistics of the Presidential and Congressional Election of Nov. 7, 1972* (in some cases, figures have been revised by Elections Research Center, Washington, D.C.); thereafter, Elections Research Center, Washington, D.C., *America Votes*, biennial (copyright).

No. 780. POPULAR VOTE CAST FOR PRESIDENT AND PERCENT DISTRIBUTION OF VOTE BY POLITICAL PARTY—GEOGRAPHIC DIVISIONS: 1964 TO 1980

[For composition of divisions, see fig. 1, inside front cover]

YEAR AND PARTY	Unit	Total	New Eng-land	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Moun-tain	Pacific
1964, total.....	1,000.....	70,645	4,786	14,637	15,659	6,550	8,294	3,289	5,016	2,837	9,377
Democratic.....	Percent.....	61.1	72.7	66.8	61.6	60.6	55.6	41.3	57.5	58.4	60.4
Republican.....	Percent.....	38.5	27.0	32.9	38.2	39.1	44.4	52.2	42.3	43.3	39.4
Other.....	Percent.....	.5	.2	.3	.1	.2	(2)	6.5	.2	.3	.2
1968, total.....	1,000.....	73,212	4,825	14,415	15,701	6,505	9,428	4,009	5,740	2,895	9,885
Democratic.....	Percent.....	42.7	57.1	47.9	43.9	43.2	34.5	27.3	36.0	38.1	45.3
Republican.....	Percent.....	43.4	38.5	44.6	45.9	48.9	39.2	29.2	37.0	52.9	47.4
Other.....	Percent.....	13.9	4.4	7.6	10.2	7.9	26.3	43.5	27.0	9.0	7.3
1972, total.....	1,000.....	77,719	5,197	14,786	16,286	6,904	9,923	3,921	6,294	3,397	11,132
Democratic.....	Percent.....	37.5	46.7	39.6	39.6	38.8	31.0	26.4	30.6	32.6	41.1
Republican.....	Percent.....	60.7	52.5	59.3	58.9	59.8	68.0	69.5	67.6	63.6	55.2
Other.....	Percent.....	1.8	.7	1.0	1.5	1.5	1.0	2.2	1.8	3.8	3.7
1976, total.....	1,000.....	81,558	5,351	14,169	16,809	7,346	11,392	4,596	7,210	3,815	10,867
Democratic.....	Percent.....	50.1	51.7	50.6	47.8	49.5	55.0	54.0	52.4	41.1	47.3
Republican.....	Percent.....	48.0	45.9	48.1	50.3	48.3	43.9	44.3	48.5	55.7	49.4
Other.....	Percent.....	1.9	2.4	1.3	1.9	2.2	1.1	1.7	1.1	3.2	3.3
1980, total.....	1,000.....	86,515	5,467	13,739	17,458	7,719	12,589	5,147	8,078	4,346	11,973
Democratic.....	Percent.....	41.0	40.3	42.3	41.4	39.8	45.3	47.9	42.0	28.8	36.5
Republican.....	Percent.....	50.7	44.7	48.8	50.5	51.8	49.2	48.9	54.5	60.7	51.6
Other.....	Percent.....	8.2	14.9	8.9	8.1	8.4	5.5	3.2	3.5	10.6	11.9

Z Less than .05 percent.
Source: Elections Research Center, Washington, D.C., *America Votes*, biennial (copyright).

No. 781. PERCENT OF TOTAL AND VOTING-AGE POPULATION AND OF POPULAR AND ELECTORAL VOTE FOR PRESIDENT, BY REGIONS AND STATES: 1980

REGION ¹ AND STATE	Total popu-lation ²	Voting age popu-lation ³	Popu-lar vote for Presi-dent	Elec-toral vote for Presi-dent	STATE	Total popu-lation ²	Voting age popu-lation ³	Popu-lar vote for Presi-dent	Elec-toral vote for Presi-dent
U.S.....	100.0	100.0	100.0	100.0	Minnesota.....	1.8	1.8	2.4	1.9
Northeast.....	21.7	22.1	22.2	22.7	Mississippi.....	1.1	1.0	1.0	1.3
North Central.....	25.9	25.6	29.1	27.0	Missouri.....	2.2	2.2	2.4	2.2
South.....	33.3	33.1	29.8	31.4	Montana.....	.4	.3	.4	.7
West.....	19.1	19.2	18.9	19.0	Nebraska.....	.7	.7	.7	.9
Alabama.....	1.7	1.7	1.6	1.7	Nevada.....	.4	.4	.3	.6
Alaska.....	.2	.2	.2	.6	New Hampshire.....	.4	.4	.4	.7
Arizona.....	1.2	1.2	1.0	1.1	New Jersey.....	3.3	3.3	3.4	3.2
Arkansas.....	1.0	1.0	1.0	1.1	New Mexico.....	.6	.6	.5	.7
California.....	10.5	10.7	9.9	8.4	New York.....	7.7	7.9	7.2	7.6
Colorado.....	1.3	1.3	1.4	1.3	North Carolina.....	2.6	2.6	2.1	2.4
Connecticut.....	1.4	1.4	1.6	1.5	North Dakota.....	.3	.3	.3	.6
Delaware.....	.3	.3	.3	.6	Ohio.....	4.8	4.7	5.0	4.6
District of Columbia.....	.3	.3	.2	.6	Oklahoma.....	1.3	1.3	1.3	1.5
Florida.....	4.4	4.6	4.3	3.2	Oregon.....	1.2	1.2	1.4	1.1
Georgia.....	2.4	2.4	1.8	2.2	Pennsylvania.....	5.2	5.3	5.3	5.0
Hawaii.....	.4	.4	.4	.7	Rhode Island.....	.4	.4	.5	.7
Idaho.....	.4	.4	.5	.7	South Carolina.....	1.4	1.3	1.0	1.5
Illinois.....	5.0	5.0	5.5	4.8	South Dakota.....	.3	.3	.4	.7
Indiana.....	2.4	2.4	2.6	2.4	Tennessee.....	2.0	2.0	1.9	1.9
Iowa.....	1.3	1.3	1.5	1.5	Texas.....	6.3	6.2	5.2	4.8
Kansas.....	1.0	1.1	1.1	1.3	Utah.....	.7	.6	.7	.7
Kentucky.....	1.6	1.6	1.5	1.7	Vermont.....	.2	.2	.2	.6
Louisiana.....	1.9	1.8	1.8	1.9	Virginia.....	2.4	2.4	2.2	2.2
Maine.....	.5	.5	.6	.7	Washington.....	1.8	1.8	2.0	1.7
Maryland.....	1.9	1.9	1.8	1.9	West Virginia.....	.9	.9	.9	1.1
Massachusetts.....	2.5	2.6	2.9	2.6	Wisconsin.....	2.1	2.1	2.6	2.0
Michigan.....	4.1	4.0	4.5	3.9	Wyoming.....	.2	.2	.2	.6

¹ For composition of regions, see fig. 1, inside front cover. ² Estimated. As of July. Includes Armed Forces residing in each State. ³ Estimated. As of Nov. Resident population 18 years old and over.
Source: Compiled from U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 911 and 916, and Elections Research Center, Washington, D.C., *America Votes*, biennial (copyright).

NO. 782. VOTE CAST FOR MAJOR POLITICAL OFFICES, BY MAJOR PARTIES: 1960 TO 1980

YEAR AND OFFICE	Total vote cast (mil.)	DEMOCRATIC		REPUBLICAN		OTHER PARTIES		PLURALITY		
		Vote cast (mil.)	Per-cent	Vote cast (mil.)	Per-cent	Vote cast (mil.)	Per-cent	Party ¹	Vote (mil.)	Per-cent
1960: President	66.8	34.2	49.7	34.1	48.5	.5	.7	Dem.....	1	.2
U.S. House of Rep. (361 dist. ²)	63.3	34.7	54.8	28.4	44.8	.3	.4	Dem.....	6.3	10.0
U.S. Senate (34 States)	33.5	16.3	54.6	15.0	44.8	.2	.6	Dem.....	3.9	9.8
State Governor (30 States)	35.5	18.7	52.9	15.6	43.8	1	.3	Dem.....	2.1	6.0
1964: President	70.6	43.1	61.1	27.2	38.5	.3	.5	Dem.....	15.0	21.6
U.S. House of Rep. (403 dist. ²)	65.9	37.7	57.2	27.9	42.3	.3	.5	Dem.....	9.6	14.9
U.S. Senate (34 States)	51.5	29.0	56.3	22.1	42.9	.5	.9	Dem.....	6.9	13.4
State Governor (25 States)	28.1	15.1	53.2	12.9	44.4	1	.4	Dem.....	3.2	10.9
1968: President	73.2	31.3	42.7	31.8	43.4	10.2	13.9	Rep.....	.5	.7
U.S. House of Rep. (398 dist. ²)	66.1	33.0	50.0	31.9	48.2	1.2	1.8	Dem.....	1.2	1.8
U.S. Senate (34 States)	50.8	25.0	49.2	24.2	47.5	1.7	3.3	Dem.....	.9	1.6
State Governor (22 States)	22.7	11.8	51.9	10.9	47.9	1	.3	Dem.....	.9	3.9
1972: President	77.7	25.2	37.5	47.2	60.7	1.4	1.6	Rep.....	15.0	23.2
U.S. House of Rep. (401 dist. ²)	71.4	35.9	51.7	33.1	48.4	1.4	1.9	Dem.....	3.8	5.3
U.S. Senate (34 States)	37.5	17.0	45.4	19.7	52.5	.8	2.1	Rep.....	2.7	7.2
State Governor (21 States)	23.9	12.1	50.5	11.1	46.5	7	2.9	Dem.....	■	3.9
1976: President	81.6	40.8	50.1	39.1	48.0	1.6	1.9	Dem.....	1.7	2.1
U.S. House of Rep. (423 dist. ²)	74.4	41.9	56.3	31.3	42.0	1.3	1.7	Dem.....	10.8	14.2
U.S. Senate (33 States)	58.9	32.0	54.4	25.8	43.8	1.1	1.8	Dem.....	6.2	10.6
State Governor (14 States)	15.7	7.7	48.8	7.9	50.4	1	.9	Rep.....	.3	1.6
1980: President	65.5	35.5	41.0	43.9	50.7	7.1	8.2	Rep.....	5.4	8.7
U.S. House of Rep. (406 dist. ²)	78.0	39.3	50.4	37.4	47.9	1.3	1.7	Dem.....	2.0	2.5
U.S. Senate (33 States)	58.6	29.9	51.0	27.0	46.1	1.7	3.0	Dem.....	2.9	4.9
State Governor (13 States)	11.9	5.9	49.6	5.9	49.6	(2)	.4	Rep.....	(2)	(2)

2 Less than 50,000 or .05 percent. ¹ See footnote, table 783. ² Number of districts in which votes were tabulated.

Source: Compiled by U.S. Bureau of the Census from Elections Research Center, Washington, D.C., *America Votes*, biennial (copyright).

NO. 783. PERCENT POPULAR VOTE CAST FOR PRESIDENT AND FOR U.S. CONGRESS BY PARTY, AND PARTY COMPOSITION OF U.S. CONGRESS, BY REGION: 1964 TO 1980

[Dem. = Democratic Party, Rep. = Republican Party. Excludes minor parties and independents. For composition of regions, see fig. 1, inside front cover]

YEAR AND REGION	PERCENT VOTE CAST FOR—						PARTY COMPOSITION (seats held) ¹			
	President		House of Representatives		Senate		House of Representatives		Senate	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
1964, U.S.	61.1	38.6	57.2	42.3	58.3	41.6	296	146	69	31
Northeast	66.3	31.5	57.7	41.5	55.7	42.8	70	38	10	6
North Central	61.3	38.5	53.8	46.1	58.8	43.0	66	59	15	9
South	53.3	45.3	64.8	34.0	60.6	37.7	112	21	26	6
West	59.4	40.4	53.6	46.4	52.3	47.7	47	22	17	9
1968, U.S.	42.7	43.4	59.9	48.2	49.2	47.5	243	182	67	43
Northeast	50.2	43.0	48.4	46.7	39.2	50.9	64	44	8	10
North Central	43.7	48.8	45.8	54.1	48.5	50.2	46	79	13	11
South	33.5	38.4	60.9	37.9	57.2	40.4	97	36	22	10
West	43.7	46.7	45.7	53.2	52.5	46.4	36	33	14	12
1972, U.S.	37.5	60.7	51.7	48.4	48.4	51.5	236	182	66	42
Northeast	41.5	57.6	46.8	47.0	37.1	60.7	57	46	8	9
North Central	39.4	59.1	48.2	50.9	44.0	55.0	60	70	15	9
South	30.4	68.2	58.5	40.4	49.5	47.4	91	42	18	13
West	39.1	57.2	53.0	45.8	48.1	52.9	41	34	15	11
1976, U.S.	39.1	48.8	56.3	43.9	54.4	45.8	292	143	61	38
Northeast	50.8	47.5	55.3	41.8	54.2	44.7	73	31	10	8
North Central	49.3	49.7	52.3	46.7	53.3	44.5	66	53	16	8
South	54.0	44.8	61.9	38.2	69.0	39.5	100	34	22	9
West	45.7	51.0	54.7	43.0	51.2	45.0	51	25	13	13
1980, U.S.	41.8	59.7	59.4	47.8	51.8	48.1	243	182	66	33
Northeast	41.8	47.8	48.9	48.1	46.5	48.9	59	45	9	9
North Central	40.9	50.9	49.2	51.2	53.7	44.9	59	63	10	14
South	44.8	50.8	55.9	42.7	50.1	48.3	87	47	18	13
West	34.4	54.0	47.1	49.7	51.9	43.9	39	37	9	17

¹ For beginning of the first session of Congress following the year shown. Excludes vacant seats.

Source: Compiled by U.S. Bureau of the Census from Elections Research Center, Washington, D.C., *America Votes*, biennial (copyright) and U.S. Congress, Joint Committee on Printing, *Congressional Directory*, biennial.

Vote Cast for United States Senators

479

NO. 784. VOTE CAST FOR UNITED STATES SENATORS, BY MAJOR POLITICAL PARTIES—STATES:
975 TO 980

(In thousands, except percent. Excludes elections to fill vacancies for unexpired term)

STATE	1976				1978				1980			
	Total	Democrat	Republican	Percent for leading party	Total	Democrat	Republican	Percent for leading party	Total	Democrat	Republican	Percent for leading party
Alabama	(x)	(x)	(x)	(x)	582	547	-	94.0	1,207	610	660	50.2
Alaska	(x)	(x)	(x)	(x)	123	30	93	75.6	157	72	84	53.7
Arizona	741	400	321	54.0	(x)	(x)	(x)	(x)	874	423	432	49.5
Arkansas	(x)	(x)	(x)	(x)	522	400	85	76.6	809	478	331	59.1
California	7,472	3,503	3,749	50.2	(x)	(x)	(x)	(x)	8,327	4,706	3,083	56.6
Colorado	(x)	(x)	(x)	(x)	819	330	481	58.7	1,174	591	571	50.3
Connecticut	1,362	561	786	57.7	(x)	(x)	(x)	(x)	1,356	784	562	58.3
Delaware	225	86	128	55.8	182	94	86	58.0	(x)	(x)	(x)	(x)
Florida	2,868	1,800	1,068	63.0	(x)	(x)	(x)	(x)	3,528	1,705	1,822	51.7
Georgia	(x)	(x)	(x)	(x)	645	536	109	83.1	1,580	776	804	50.8
Hawaii	302	162	123	53.7	(x)	(x)	(x)	(x)	288	224	53	77.9
Idaho	(x)	(x)	(x)	(x)	284	90	194	68.4	440	214	219	49.7
Illinois	(x)	(x)	(x)	(x)	3,185	1,448	1,699	53.3	4,580	2,565	1,946	56.0
Indiana	2,171	879	1,276	58.8	(x)	(x)	(x)	(x)	2,198	1,016	1,182	53.8
Iowa	(x)	(x)	(x)	(x)	825	386	422	51.1	1,277	582	883	53.5
Kansas	(x)	(x)	(x)	(x)	749	318	403	53.9	939	340	599	63.8
Kentucky	(x)	(x)	(x)	(x)	477	291	176	61.0	1,107	721	388	65.1
Louisiana	(x)	(x)	(x)	(x)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Maine	486	293	193	60.2	375	127	212	58.6	(x)	(x)	(x)	(x)
Maryland	1,386	772	530	58.5	(x)	(x)	(x)	(x)	1,296	436	861	56.2
Massachusetts	2,491	1,727	723	69.3	1,986	1,083	591	55.1	(x)	(x)	(x)	(x)
Michigan	3,491	1,831	1,635	52.5	2,847	1,484	1,382	52.1	(x)	(x)	(x)	(x)
Minnesota	1,912	1,291	479	67.5	1,581	838	804	56.6	(x)	(x)	(x)	(x)
Mississippi	554	554	-	100.0	584	185	283	45.1	(x)	(x)	(x)	(x)
Missouri	1,915	814	1,090	56.9	(x)	(x)	(x)	(x)	2,087	1,075	965	52.0
Montana	321	206	115	64.2	288	180	128	55.7	(x)	(x)	(x)	(x)
Nebraska	586	314	284	52.4	484	334	180	67.6	(x)	(x)	(x)	(x)
Nevada	202	127	83	63.0	(x)	(x)	(x)	(x)	246	92	144	58.5
New Hampshire	(x)	(x)	(x)	(x)	264	128	134	50.7	375	179	196	52.1
New Jersey	2,771	1,681	1,055	60.7	1,968	1,083	844	55.3	(x)	(x)	(x)	(x)
New Mexico	413	176	235	56.8	344	180	163	53.4	(x)	(x)	(x)	(x)
New York	8,320	3,423	2,837	54.2	(x)	(x)	(x)	(x)	8,015	2,619	2,700	44.8
North Carolina	(x)	(x)	(x)	(x)	1,136	517	619	54.5	1,788	888	886	50.0
North Dakota	283	176	103	62.1	(x)	(x)	(x)	(x)	299	87	210	70.3
Ohio	3,921	1,941	1,824	49.5	(x)	(x)	(x)	(x)	4,027	2,771	1,136	68.8
Oklahoma	(x)	(x)	(x)	(x)	754	494	248	65.5	1,096	478	587	53.5
Oregon	(x)	(x)	(x)	(x)	883	342	550	61.6	1,140	502	994	52.1
Pennsylvania	4,548	2,127	2,382	52.4	(x)	(x)	(x)	(x)	4,418	2,122	2,230	50.5
Rhode Island	398	188	230	57.7	308	230	78	75.1	(x)	(x)	(x)	(x)
South Carolina	(x)	(x)	(x)	(x)	833	281	352	56.6	871	613	258	70.4
South Dakota	(x)	(x)	(x)	(x)	256	85	171	66.8	327	129	191	58.2
Tennessee	1,432	751	673	52.5	1,157	486	643	56.5	(x)	(x)	(x)	(x)
Texas	3,875	2,200	1,636	56.6	2,313	1,139	1,151	49.8	(x)	(x)	(x)	(x)
Utah	540	242	290	53.7	(x)	(x)	(x)	(x)	594	161	438	73.8
Vermont	189	86	94	50.0	(x)	(x)	(x)	(x)	209	104	101	49.8
Virginia	1,556	698	1,691	57.2	1,222	609	613	50.2	(x)	(x)	(x)	(x)
Washington	1,491	1,071	262	71.8	(x)	(x)	(x)	(x)	1,728	792	936	54.2
West Virginia	587	586	-	99.9	483	248	244	50.5	(x)	(x)	(x)	(x)
Wisconsin	1,935	1,397	522	72.2	(x)	(x)	(x)	(x)	2,204	1,065	1,106	50.2
Wyoming	165	71	85	54.6	133	50	83	62.2	(x)	(x)	(x)	(x)

Represents zero. X Not applicable. ¹ Includes vote cast for minor parties. ² Unopposed Democrat; no vote tallied since name not printed on ballot. ³ Represents vote cast for independent candidate.

Source: Elections Research Center, Washington, D.C., America Votes, biennial (copyright).

**NO. 785. APPORTIONMENT OF MEMBERSHIP IN HOUSE OF REPRESENTATIVES, BY STATES:
1790 TO 1980**

[Total membership includes Representatives assigned to newly admitted States after the apportionment acts. Population figures used for apportionment purposes are those determined for States by each decennial census. No reapportionment based on 1920 population census. For method of calculating apportionment and a short history of apportionment, see House Report 81-1314, 91st Congress, 2d session, *The Decennial Population Census and Congressional Apportionment*. See also *Historical Statistics, Colonial Times to 1870*, series Y 220-271.]

STATE	MEMBERSHIP BASED ON CENSUS OF—																			
	1790	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980
Total	106	142	196	213	242	232	237	243	239	332	357	381	435	435	436	437	435	435	435	436
Ala.	(x)	(x)	¹ 1	3	5	7	7	6	6	8	9	9	10	9	9	9	8	7	7	7
Alaska	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 1	1	1	1
Ariz.	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 1	1	2	2	3	4	5	5
Ark.	(x)	(x)	(x)	(x)	¹ 1	1	2	3	4	5	6	7	7	7	7	6	4	4	4	4
Calif.	(x)	(x)	(x)	(x)	(x)	¹ 2	2	3	4	6	7	8	11	20	23	30	36	43	45	45
Colo.	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 1	1	2	3	4	4	4	4	4	5	6	6
Conn.	7	7	7	6	6	4	4	4	4	4	4	5	5	6	6	6	6	6	6	6
Del.	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Fla.	(x)	(x)	(x)	(x)	(x)	¹ 1	1	1	2	2	2	3	4	5	6	8	12	15	19	19
Ga.	2	4	6	7	9	9	8	7	9	10	11	11	12	10	10	10	10	10	10	10
Hawaii	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 1	2	2	2	2
Idaho	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 1	1	1	2	2	2	2	2	2	2	2
Ill.	(x)	(x)	¹ 1	1	3	7	9	14	19	20	22	25	27	27	28	25	24	24	22	22
Ind.	(x)	(x)	¹ 1	3	7	10	11	11	13	13	13	13	13	12	11	11	11	11	10	10
Iowa	(x)	(x)	(x)	(x)	(x)	¹ 2	2	3	9	11	11	11	11	9	8	8	7	6	6	6
Kans.	(x)	(x)	(x)	(x)	(x)	(x)	(x)	1	3	7	8	8	8	7	6	6	6	5	5	5
Ky.	2	6	10	12	13	10	10	9	10	11	11	11	11	9	9	8	7	7	7	7
La.	(x)	(x)	¹ 1	3	3	4	4	5	6	6	6	7	8	8	8	8	8	8	8	8
Maine	(x)	(x)	(x)	7	6	7	6	6	5	4	4	4	4	3	3	3	2	2	2	2
Md.	6	6	9	9	6	6	6	5	6	6	6	6	6	6	6	7	8	8	8	8
Mass.	14	17	20	13	12	10	11	10	11	12	13	14	16	15	14	14	12	12	11	11
Mich.	(x)	(x)	(x)	(x)	¹ 1	3	4	6	9	11	12	12	13	17	17	16	16	16	16	16
Minn.	(x)	(x)	(x)	(x)	(x)	(x)	¹ 2	2	3	5	7	9	10	9	9	9	8	8	8	8
Miss.	(x)	(x)	¹ 1	1	2	4	5	5	6	7	7	8	8	7	7	6	5	5	5	5
Mo.	(x)	(x)	(x)	1	2	5	7	9	13	14	15	16	16	13	13	11	10	10	9	9
Mont.	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 1	1	1	1	2	2	2	2	2	2	2	2
Nebr.	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 1	1	3	6	6	6	5	4	4	3	3	3	3
Nev.	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 1	1	1	1	1	1	1	1	1	1	1	1	2
N.H.	4	5	6	6	5	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2
N.J.	5	6	6	6	6	5	5	5	7	7	8	10	12	14	14	14	15	15	14	14
N. Mex.	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 1	1	2	2	2	2	3	3
N.Y.	10	17	27	34	40	34	33	31	33	34	34	37	43	45	45	43	41	39	34	34
N.C.	10	12	13	13	13	9	8	7	6	9	9	10	10	11	12	12	11	11	11	11
N. Dak.	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 1	1	2	3	2	2	2	2	1	1	1
Ohio	(x)	¹ 1	6	14	19	21	21	19	20	21	21	21	22	24	23	23	24	23	21	21
Okl.	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 5	8	9	8	6	6	6	6	6
Oreg.	(x)	(x)	(x)	(x)	(x)	(x)	¹ 1	1	1	1	2	2	3	3	4	4	4	4	5	5
Pa.	13	18	23	26	26	24	25	24	27	26	30	32	36	34	33	30	27	25	23	23
R.I.	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2
S.C.	6	8	9	9	9	7	6	4	5	7	7	7	7	6	6	6	6	6	6	6
S. Dak.	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 2	2	2	3	2	2	2	2	2	1	1
Tenn.	¹ 1	3	6	9	13	11	10	8	10	10	10	10	10	9	10	9	9	8	9	9
Tex.	(x)	(x)	(x)	(x)	(x)	¹ 2	2	4	6	11	13	16	18	21	21	22	23	24	27	27
Utah	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 1	1	2	2	2	2	2	2	3	3
Vt.	2	4	6	5	5	4	3	3	3	2	2	2	2	1	1	1	1	1	1	1
Va.	16	22	23	22	21	15	13	11	9	10	10	■	10	9	9	10	10	10	10	10
Wash.	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 1	2	3	5	6	6	7	7	7	8	8
W. Va.	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	3	4	4	5	6	6	6	6	5	4	4	4
Wis.	(x)	(x)	(x)	(x)	(x)	¹ 2	3	6	8	9	10	11	11	10	10	10	10	9	9	9
Wyo.	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	¹ 1	1	1	1	1	1	1	1	1	1	1

x Not applicable.

¹ Assigned after apportionment.² Included in apportionment act in anticipation of statehood.Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. I, and press releases.

**NO. 789. VOTE CAST FOR UNITED STATES REPRESENTATIVES, BY MAJOR POLITICAL PARTIES—
STATES: 1976 TO 1980**

(In thousands, except percent. In each State, totals represent the sum of votes cast in each Congressional District, except as follows: In Alaska, Delaware, Nevada, North Dakota, Vermont, and Wyoming, only 1 Representative was elected for the State at large. In numerous States, one or other of the major parties had no candidates in some districts. In those cases where votes of a party as such are cast in endorsement of a candidate of another party, votes are counted as for the endorsing party. See also *Historical Statistics, Colonial Times to 1970*, series Y 211-214.)

STATE	1976				1978				1980			
	Total ¹	Democrat	Republican	Percent for leading party	Total ¹	Democrat	Republican	Percent for leading party	Total ¹	Democrat	Republican	Percent for leading party
Total²	74,422	41,884	31,884	56.3	65,332	29,688	24,848	53.7	77,886	39,236	37,378	50.4
Alabama ³	884	867	316	67.8	842	440	197	68.4	1,012	628	354	62.1
Alaska	118	34	84	70.8	124	55	89	55.4	156	40	114	73.8
Arizona	729	358	340	48.8	519	282	231	50.4	854	394	434	50.8
Arkansas ⁴	338	261	75	77.8	293	98	195	68.8	202	42	159	78.9
California	7,454	4,144	3,220	55.8	8,528	3,335	3,106	51.1	8,180	3,888	4,179	51.1
Colorado	1,021	485	537	53.1	785	389	402	51.2	1,150	506	619	53.9
Connecticut	1,348	682	651	50.8	1,021	592	423	58.0	1,338	695	640	51.9
Delaware	215	102	111	51.5	158	85	82	58.2	217	81	134	61.8
District of Columbia	160	123	22	77.3	98	77	12	79.5	151	112	21	74.4
Florida ⁵	2,083	1,126	837	54.1	1,820	948	672	58.5	3,094	1,613	1,278	58.6
Georgia ³	1,253	831	322	74.3	589	472	116	80.2	1,355	874	381	71.9
Hawaii	294	184	78	62.7	253	203	40	80.1	281	240	20	85.4
Idaho	342	182	180	52.6	265	118	187	58.6	415	182	233	56.1
Illinois	4,388	2,247	2,113	51.8	3,044	1,485	1,577	51.8	4,473	2,049	2,418	54.1
Indiana	2,103	1,186	932	56.6	1,448	752	681	51.9	2,189	1,087	1,100	50.2
Iowa	1,242	709	527	57.1	812	403	408	50.1	1,257	643	608	51.1
Kansas	909	349	545	60.0	878	233	441	65.2	933	406	520	55.7
Kentucky ³	888	808	374	61.2	477	285	208	65.5	1,056	610	442	57.8
Louisiana	1,014	824	365	61.5	770	472	290	61.3	730	437	290	58.9
Maine	473	151	315	68.5	370	141	209	56.5	513	136	375	73.1
Maryland	1,318	789	479	60.0	924	604	313	65.4	1,403	886	537	61.7
Massachusetts ³	2,345	1,510	723	64.4	1,809	1,249	472	69.0	2,258	1,473	758	65.3
Michigan	3,432	1,898	1,503	56.3	2,708	1,539	1,160	58.8	3,588	1,877	1,658	52.3
Minnesota	1,795	1,040	730	58.0	1,528	779	712	51.1	1,905	906	967	51.8
Mississippi ³	537	375	257	59.0	519	252	236	48.5	786	426	304	54.3
Missouri	1,805	1,081	812	58.7	1,548	967	578	62.5	2,051	1,110	941	54.1
Montana	321	180	140	56.2	283	143	140	50.6	339	176	162	52.1
Nebraska	802	211	388	64.1	495	184	311	62.8	825	187	451	72.2
Nevada	200	154	24	77.1	191	133	44	69.5	245	185	65	67.5
New Hampshire	325	174	149	53.4	258	122	134	51.7	364	177	187	51.3
New Jersey	2,811	1,539	1,218	54.7	1,934	1,044	838	54.0	2,741	1,316	1,369	49.9
New Mexico	401	185	215	53.5	285	168	118	58.5	409	176	187	45.9
New York ¹	5,991	3,501	2,342	58.4	4,379	2,275	1,883	51.8	5,517	2,771	2,707	48.3
North Carolina ³	1,572	1,011	549	64.3	1,020	607	406	59.5	1,737	984	789	55.5
North Dakota	290	104	181	62.4	220	88	148	67.1	289	186	125	58.8
Ohio ¹	3,842	1,818	1,817	49.9	2,780	1,278	1,472	52.9	3,952	1,788	2,136	54.0
Oklahoma ^{3,4}	1,088	863	372	64.0	589	331	258	56.2	836	440	381	52.6
Oregon	927	599	283	64.7	674	587	258	67.2	1,108	657	439	59.4
Pennsylvania ³	4,434	2,410	2,007	54.4	3,542	1,805	1,711	51.0	4,321	2,056	2,182	50.0
Rhode Island	389	271	114	69.7	308	174	134	56.6	387	214	173	55.3
South Carolina	784	502	279	64.1	577	379	183	65.6	830	408	369	49.2
South Dakota	295	73	221	75.0	258	120	136	63.0	320	173	146	54.3
Tennessee ³	1,251	775	453	62.9	1,082	581	449	56.7	1,304	664	619	50.9
Texas ³	3,863	2,369	1,277	64.7	2,182	1,285	688	58.9	4,069	2,406	1,809	58.1
Utah	544	267	251	49.0	379	183	207	54.5	592	232	352	58.4
Vermont	185	60	124	67.4	121	23	91	75.3	195	-	154	79.2
Virginia ³	1,483	886	870	45.8	1,057	444	595	58.3	1,553	486	1,005	64.7
Washington	1,428	818	586	57.4	979	507	451	51.8	1,826	816	793	50.2
West Virginia	863	447	157	67.3	443	291	152	65.7	888	391	295	57.0
Wisconsin	1,862	1,180	781	60.7	1,450	789	678	53.0	2,134	1,072	1,055	50.2
Wyoming	152	88	68	65.4	129	54	78	58.6	170	53	116	68.6

Represents zero. ¹Includes vote cast for minor parties. ²Includes vote cast for Delegates at Large in District of Columbia. ³1980 data not available for unopposed candidates in the following number of districts: Ala. 1, Ga. 2, Ky. 2, Mass. 3, Miss. 1, N.C. 1, Ohio 2, Pa. 1, Tenn. 2, Tex. 4, and Va. 3. ⁴State law does not require tabulation of votes for unopposed candidates. ⁵1976 data for 1st and 2d Districts; 1978 data for 2d and 3d Districts; 1980 data for 2d District only. ⁶In 1978, Districts 1, 2, 3, and 4 were unopposed; in 1978, Districts 3, 7, 8, 10, and 13 were unopposed; in 1980, District 6 was unopposed. ⁷Data are for September open primary. ⁸Includes endorsing votes cast by other parties for Democratic and Republican candidates. ⁹In 1978 and 1980, District 3 was unopposed.

Source: Compiled by U.S. Bureau of the Census. Data from Elections Research Center, Washington, D.C., *America Votes*, biennial (copyright).

NO. 787. REPRESENTATIVES ELECTED, BY PERCENT OF VOTE CAST FOR WINNER AND MAJOR PARTY, 1970 TO 1980, AND BY STATES, 1980

YEAR AND STATE	TOTAL REPRESENTATIVES ELECTED				DEMOCRATS ELECTED				REPUBLICANS ELECTED				REPRESENTATIVES ELECTED WITH NO MAJOR PARTY OPPOSITION		
	Total	Percentage of vote			Total	Percentage of vote			Total	Percentage of vote			Total	Democrats	Republicans
		Under 55	55-59.9	60 and over		Under 55	55-59.9	60 and over		Under 55	55-59.9	60 and over			
1970	435	59	64	312	255	28	26	201	180	31	38	111	63	58	5
1972	435	67	60	306	242	28	29	185	182	38	31	113	54	48	8
1974	435	105	69	261	291	48	34	209	144	57	35	52	60	58	1
1976	435	76	62	297	292	52	32	208	143	24	30	69	52	51	6
1978	435	74	61	300	277	45	36	195	158	28	25	105	70	61	19
1980, total	435	78	63	294	243	35	35	173	192	43	29	121	64	38	15
Ala.	7	1	-	6	4	-	-	4	3	1	-	2	4	3	1
Alaska	1	-	-	1	-	-	-	-	1	-	-	1	-	-	-
Ariz.	4	-	1	3	2	-	1	1	2	-	-	2	-	-	-
Ark.	4	-	-	4	2	-	-	2	2	-	-	2	2	2	1
Calif.	43	10	4	29	22	9	4	15	21	7	-	14	-	-	-
Colo.	5	1	2	2	3	1	2	-	2	-	-	2	-	-	-
Conn.	6	3	1	2	4	2	1	1	2	1	-	1	-	-	-
Del.	1	-	-	1	-	-	-	-	1	-	-	1	-	-	-
Fla.	15	1	2	12	11	-	1	10	4	1	1	2	1	-	1
Ga.	10	-	1	9	9	-	-	9	1	-	1	-	2	2	-
Hawaii	2	-	-	2	2	-	-	2	-	-	-	-	1	1	-
Idaho	2	1	1	-	-	-	-	-	2	1	1	-	-	-	-
Ill.	24	1	1	22	10	1	-	9	14	-	1	13	-	-	-
Ind.	11	3	3	5	6	3	1	2	5	-	2	3	-	-	-
Iowa	6	3	-	3	3	1	-	2	3	2	-	1	-	-	-
Kans.	6	1	1	3	1	-	-	1	4	1	1	2	-	-	-
Ky.	7	-	1	6	4	-	-	4	3	-	1	2	2	2	-
La.	8	-	-	8	6	-	-	6	2	-	-	2	6	6	2
Maine	2	-	-	2	-	-	-	-	2	-	-	2	-	-	-
Md.	6	1	2	5	7	1	2	4	1	-	-	1	-	-	-
Mass.	12	2	-	10	10	2	-	8	2	-	-	2	3	3	-
Mich.	19	5	2	12	12	3	1	8	7	2	1	4	2	1	1
Minn.	6	2	1	5	3	-	1	2	5	2	-	3	-	-	-
Miss.	5	1	-	4	3	-	-	3	2	1	-	1	1	1	-
Mo.	10	-	3	7	6	-	1	5	4	-	2	2	-	-	-
Mont.	2	-	1	1	1	-	-	1	1	-	1	-	-	-	-
Nebr.	3	1	-	2	-	-	-	-	3	1	-	2	-	-	-
Nev.	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-
N.H.	2	-	-	2	1	-	-	1	1	-	-	1	-	-	-
N.J.	15	3	4	8	8	2	1	5	7	1	3	3	-	-	-
N. Mex.	2	2	-	-	-	-	-	-	2	2	-	-	-	-	-
N.Y.	39	5	8	26	22	2	5	15	17	3	3	11	4	4	-
N.C.	11	4	2	5	7	2	1	4	4	2	1	1	1	1	-
N. Dak.	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-
Ohio	23	2	5	18	10	1	3	6	13	1	2	10	2	2	-
Okl.	6	2	1	3	5	2	1	2	1	-	-	1	1	1	-
Oreg.	4	2	-	2	3	1	-	2	1	1	-	-	-	-	-
Pa.	25	6	2	17	13	3	1	9	12	3	1	8	2	1	1
R.I.	2	-	1	1	1	-	-	1	1	-	1	-	-	-	-
S.C.	6	2	2	2	2	-	1	1	4	2	1	1	2	1	1
S. Dak.	2	-	1	1	1	-	-	1	1	-	1	-	-	-	-
Tenn.	8	-	-	8	5	-	-	5	3	-	-	3	3	1	2
Texas	24	4	4	16	16	2	4	13	5	2	-	3	6	6	-
Utah	2	1	-	1	-	-	-	-	2	1	-	1	-	-	-
Vt.	1	-	-	1	-	-	-	-	1	-	-	1	1	-	1
Va.	10	3	-	7	1	-	-	1	9	3	-	6	5	1	4
Wash.	7	2	2	3	5	2	1	2	2	-	1	1	-	-	-
W. Va.	4	1	1	2	2	-	-	2	2	1	1	-	-	-	-
Wis.	9	2	2	5	5	1	1	3	4	1	1	2	-	-	-
Wyo.	1	-	-	1	-	-	-	-	1	-	-	1	-	-	-

Represents zero. ¹Includes one Representative elected as an Independent. ²There were 2 Democratic candidates in the 4th District.

Source: Compiled by U.S. Bureau of the Census from Congressional Quarterly, Inc., Washington, D.C., *Congressional Quarterly Weekly Report*, vol. 37, No. 13, March 1979 and vol. 50, No. 17, April 5, 1981 (copyright).

No. 788. COMPOSITION OF CONGRESS, BY POLITICAL PARTY: 1939 TO 1982

[D=Democratic, R=Republican. Data for beginning of first session of each Congress, except as noted; exclude vacancies at beginning of session. See also *Historical Statistics, Colonial Times to 1970*, series Y 204-210]

YEAR	Party and President	Congress	HOUSE			SENATE		
			Majority party	Minority party	Other	Majority party	Minority party	Other
1939.....	D (F. Roosevelt).....	76th	D-261	R-169	4	D-69	R-23	4
1941.....	D (F. Roosevelt).....	77th	D-268	R-162	5	D-66	R-26	2
1943.....	D (F. Roosevelt).....	78th	D-218	R-208	4	D-58	R-37	1
1945.....	D (F. Roosevelt).....	79th	D-242	R-190	2	D-56	R-38	1
1947.....	D (Truman).....	80th	R-245	D-188	1	R-51	D-45	-
1949.....	D (Truman).....	81st	D-263	R-171	1	D-54	R-42	-
1951.....	D (Truman).....	82d	D-234	R-199	1	D-49	R-47	-
1953.....	R (Eisenhower).....	83d	R-221	D-211	1	R-48	D-47	1
1955.....	R (Eisenhower).....	84th	D-232	R-203	-	D-48	R-47	1
1957.....	R (Eisenhower).....	85th	D-233	R-200	-	D-49	R-47	-
1959 ¹	R (Eisenhower).....	86th	D-284	R-153	-	D-65	R-35	-
1961.....	D (Kennedy).....	87th	D-263	R-174	-	D-65	R-35	-
1963.....	D (Kennedy).....	88th	D-258	R-177	-	D-67	R-33	-
1965.....	D (Johnson).....	89th	D-295	R-140	-	D-68	R-32	-
1967.....	D (Johnson).....	90th	D-247	R-187	-	D-64	R-36	-
1969.....	R (Nixon).....	91st	D-243	R-192	-	D-57	R-43	-
1971 ²	R (Nixon).....	92d	D-254	R-180	-	D-54	R-44	2
1973 ^{2 3}	R (Nixon) ⁴	93d	D-239	R-192	1	D-56	R-42	2
1975 ⁵	R (Ford) ⁶	94th	D-291	R-144	-	D-60	R-37	2
1977 ⁶	D (Carter).....	95th	D-292	R-143	-	D-61	R-38	1
1979 ⁶	D (Carter).....	96th	D-276	R-157	-	D-58	R-41	1
1981 ⁶	R (Reagan).....	97th	D-243	R-192	-	R-53	D-48	1
1982 ^{6 7}	R (Reagan).....	97th	D-244	R-191	-	R-53	D-48	1

- Represents zero. ¹Includes Hawaii; members seated Aug. 1959. ²Senate had 1 Independent and 1 Conservative-Republican. ³House had 1 Independent-Democrat. ⁴Nixon resigned Aug. 1974. ⁵Senate had 1 Independent, 1 Conservative-Republican, and 1 undecided (New Hampshire). ⁶Senate had 1 Independent. ⁷As of beginning of second session.
Source: U.S. Congress, Joint Committee on Printing, *Congressional Directory*, annual; beginning 1977, biennial.

No. 789. CONGRESSIONAL BILLS, ACTS, AND RESOLUTIONS: 1965 TO 1981

[Excludes simple and concurrent resolutions. See also *Historical Statistics, Colonial Times to 1970*, series Y 189-196]

ITEM	89th Cong., 1965-66	90th Cong., 1967-68	91st Cong., 1969-70	92d Cong., 1971-72	93d Cong., 1973-74	94th Cong., 1975-76	95th Cong., 1977-78	96th Cong., 1979-80	97th Cong., 1981
Measures introduced.....	24,003	26,460	26,303	22,989	23,396	21,098	19,387	12,583	7,830
Bills	22,483	24,766	24,631	21,363	21,950	19,762	18,045	11,722	7,312
Joint resolutions	1,520	1,674	1,672	1,606	1,446	1,334	1,342	861	518
Measures enacted.....	1,263	1,002	941	768	774	729	803	736	157
Public.....	810	640	695	607	651	588	633	613	145
Private	473	362	246	161	123	141	170	123	12

Source: U.S. Congress, *Calendars of the U.S. House of Representatives and History of Legislation*, annual.

No. 790. CONGRESSIONAL BILLS VETOED: 1923 TO 1982

[See also *Historical Statistics, Colonial Times to 1970*, series Y 199-203]

PERIOD	President	Total vetoes	Regu- lar vetoes	Pocket vetoes	Vetoes sus- tained	Bills passed over veto
1923-1929	Coolidge	50	20	30	46	4
1929-1933	Hoover	37	21	16	34	3
1933-1945	F. Roosevelt	635	372	263	626	9
1945-1953	Truman	250	180	70	238	12
1953-1961	Eisenhower	181	73	106	179	2
1961-1963	Kennedy	21	12	9	21	-
1963-1969	Johnson	30	16	14	30	-
1969-1974	Nixon ¹	42	24	18	36	6
1974-1977	Ford ¹	72	53	19	60	12
1977-1981	Carter.....	31	13	18	29	2
1981-1982	Reagan.....	2	1	1	2	-

- Represents zero. ¹Nixon resignation effective August 8, 1974.
Source: U.S. Congress, Senate Library, *Presidential Vetoes . . . 1789-1968*; U.S. Congress, *Calendars of the U.S. House of Representatives and History of Legislation*, annual.

No. 791. COMPOSITION OF CONGRESS, BY POLITICAL PARTY AFFILIATIONS—STATES: 1975 TO 1981

(Figures are for the beginning of the first session. Dem. = Democratic; Rep. = Republican)

STATE	REPRESENTATIVES								SENATORS							
	94th Cong., 1975		95th Cong., 1977		96th Cong., ¹ 1979		97th Cong., ² 1981		94th Cong., ³ 1975		95th Cong., ⁴ 1977		96th Cong., ⁵ 1979		97th Cong., ⁶ 1981	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
Total	291	144	292	143	278	157	243	192	90	37	91	36	88	41	88	39
Alabama	4	3	4	3	4	3	4	3	2	-	2	-	2	-	1	1
Alaska	-	1	-	1	-	1	-	1	1	1	1	1	1	1	-	2
Arizona	1	3	2	2	2	2	2	2	-	2	1	1	1	1	1	1
Arkansas	3	1	3	1	2	2	2	2	2	-	2	-	2	-	2	-
California	28	15	29	14	25	17	22	21	2	-	1	1	1	1	1	1
Colorado	3	2	3	2	3	2	3	2	2	-	2	-	1	1	1	1
Connecticut	4	2	4	2	5	1	4	2	1	1	1	1	1	1	1	1
Delaware	-	1	-	1	-	1	-	1	1	1	1	1	1	1	1	1
Florida	10	5	10	5	12	3	11	4	2	-	2	-	2	-	1	1
Georgia	10	-	10	-	9	1	9	1	2	-	2	-	2	-	1	1
Hawaii	2	-	2	-	2	-	2	-	1	1	2	-	2	-	2	-
Idaho	-	2	-	2	-	2	-	2	1	1	1	1	1	1	-	2
Illinois	13	11	12	12	11	13	10	14	1	1	1	1	1	1	1	1
Indiana	9	2	8	3	7	4	6	5	2	-	1	1	1	1	-	2
Iowa	5	1	4	2	3	3	3	3	2	-	2	-	1	1	-	2
Kansas	1	4	2	3	1	4	1	4	-	2	-	2	-	2	-	2
Kentucky	5	2	5	2	4	3	4	3	2	-	2	-	2	-	2	-
Louisiana	6	2	6	2	5	3	5	2	2	-	2	-	2	-	2	-
Maine	-	2	-	2	-	2	-	2	2	-	2	-	1	1	1	1
Maryland	5	3	5	3	6	2	7	1	-	2	1	1	1	1	1	1
Massachusetts	10	2	10	2	10	2	10	2	1	1	1	1	2	-	2	-
Michigan	12	7	11	8	13	6	12	7	1	1	1	1	2	-	2	-
Minnesota	5	3	5	3	4	4	3	5	2	-	2	-	-	2	-	2
Mississippi	3	2	3	2	3	2	3	2	2	-	2	-	1	1	1	1
Missouri	9	1	8	2	8	2	8	4	2	-	1	1	1	1	1	1
Montana	2	-	1	1	1	1	1	1	2	-	2	-	2	-	2	-
Nebraska	-	3	1	2	1	2	-	3	-	2	1	1	2	-	2	-
Nevada	1	-	1	-	1	-	1	-	1	1	1	1	1	1	1	1
New Hampshire	1	1	1	1	1	1	1	1	1	-	2	-	1	1	-	2
New Jersey	12	3	11	4	10	5	8	7	1	1	1	1	2	-	2	-
New Mexico	1	1	1	1	1	1	-	2	1	1	-	2	-	2	-	2
New York	27	12	28	11	26	13	22	17	-	1	1	1	1	1	1	1
North Carolina	9	2	9	2	9	2	7	4	1	1	1	1	1	1	1	2
North Dakota	-	1	-	1	-	1	-	1	1	1	1	1	1	1	1	1
Ohio	8	15	10	13	10	13	10	13	1	1	2	-	2	-	2	-
Oklahoma	6	-	5	1	5	1	5	1	-	2	-	2	1	1	1	1
Oregon	4	-	4	-	4	-	3	1	-	2	-	2	-	2	-	2
Pennsylvania	14	11	17	8	15	10	13	12	-	2	-	2	-	2	-	2
Rhode Island	2	-	2	-	2	-	1	1	2	-	1	1	1	1	1	1
South Carolina	5	1	5	1	4	2	2	4	1	1	1	1	1	1	1	1
South Dakota	-	2	-	2	1	1	1	1	2	-	2	-	1	1	-	2
Tennessee	5	3	5	3	5	3	5	3	-	2	1	1	1	1	1	1
Texas	21	3	22	2	20	4	19	5	1	1	1	1	1	1	1	1
Utah	2	-	1	1	1	1	-	2	1	1	-	2	-	2	-	2
Vermont	-	1	-	1	-	1	-	1	1	1	1	1	1	1	1	1
Virginia	5	5	4	6	4	6	1	9	-	1	-	1	-	1	-	1
Washington	6	1	6	1	6	1	5	2	2	-	2	-	2	-	1	1
West Virginia	4	-	4	-	4	-	2	2	2	-	2	-	2	-	2	-
Wisconsin	7	2	7	2	6	2	5	4	2	-	2	-	2	-	1	1
Wyoming	1	-	1	-	-	1	-	1	1	1	-	2	-	2	-	2

- Represents zero. ¹Calif. and Wis. each had 1 vacancy. ²Changes as of beginning of the 2d session, 1982: total, 244 Dem., 191 Rep., Miss. 4 Dem., 1 Rep. ³N.Y. had 1 Senator classified Conservative-Republican and Va. had 1 Senator classified Independent. ⁴One Senate seat (N.H.) was undecided at beginning of session; subsequently became Democratic. ⁵Va. had 1 Senator classified Independent.

Source: U.S. Congress, Joint Committee on Printing, *Congressional Directory*, annual, beginning 1977, biennial.

NO. 792. MEMBERS OF CONGRESS—INCUMBENTS RE-ELECTED: 1958 TO 1980

ITEM	PRESIDENTIAL-YEAR ELECTIONS							MIDTERM ELECTIONS					
	1958	1960	1964	1968	1972	1976	1980	1958	1962	1966	1970	1974	1978
Representatives:													
Incumbent candidates	411	405	397	409	390	384	398	396	402	411	401	391	382
Re-elected	389	375	344	398	385	368	381	356	368	362	379	343	358
Percent of candidates	94.6	92.6	86.6	96.8	98.6	95.8	95.7	89.9	91.5	88.1	94.5	87.7	93.7
Defeated: in primaries	6	15	6	4	12	3	6	3	12	6	10	8	6
In general elections	16	25	45	9	13	13	31	37	22	41	12	40	19
Senators:													
Incumbent candidates	29	29	33	28	27	25	29	26	36	32	31	27	25
Re-elected	25	28	28	20	20	18	18	18	29	28	24	23	16
Percent of candidates	86.2	96.6	84.8	71.4	74.1	64.0	62.2	64.3	82.9	87.5	77.4	85.2	60.0
Defeated: in primaries	-	-	1	4	2	-	4	-	1	3	1	2	3
In general elections	4	1	4	4	5	9	9	10	5	1	6	2	7

- Represents zero. ¹Excludes one Representative defeated in primary who was subsequently the party's nominee after primary victor's death.

Source: Congressional Quarterly, Inc., Washington, D.C., *Congressional Quarterly Weekly Report*, vol. 38, No. 14, April 5, 1980 (copyright) and unpublished data.

NO. 793. MEMBERS OF CONGRESS—SELECTED CHARACTERISTICS: 1971 TO 1982

(As of beginning of first session of each Congress, 1982 as of second session. Figures for Representatives exclude vacancies)

MEMBERS OF CONGRESS AND YEAR	Male	Female	RACE			Married	Not married	AGE (in years)					
			White	Black	Other			Under 40	40-49	50-59	60-69	70-79	80 and over
REPRESENTATIVES													
92d Cong., 1971	421	12	419	12	2	407	26	40	133	152	86	19	3
93d Cong., 1973	419	14	416	15	2	399	34	45	132	154	80	20	2
94th Cong., 1975	416	19	417	15	3	381	54	60	138	137	75	14	2
95th Cong., 1977	417	18	417	18	2	379	58	81	121	147	71	15	-
96th Cong., 1979	417	18	414	16	3	384	69	86	125	145	63	14	-
97th Cong., 1981	416	19	415	17	3	349	66	94	142	132	54	12	1
97th Cong., 1982	416	19	415	17	3	350	65	96	142	131	53	12	1
SENATORS													
92d Cong., 1971	98	1	97	1	2	97	3	4	24	32	23	16	1
93d Cong., 1973	100	-	97	1	2	96	4	3	25	37	23	11	1
94th Cong., 1975	100	-	97	1	2	94	6	5	21	35	24	15	-
95th Cong., 1977	100	-	96	1	3	91	9	6	26	35	21	10	2
96th Cong., 1979	99	1	97	-	3	85	5	10	31	33	17	8	1
97th Cong., 1981	96	2	97	-	3	93	7	9	35	36	14	6	-
97th Cong., 1982	96	2	97	-	3	93	7	9	35	36	14	6	-

- Represents zero. ¹Single, widowed, or divorced. ²Includes Sen. Durkin, N.H., seated Sept. 1975.

NO. 794. MEMBERS OF CONGRESS—SENIORITY AND OCCUPATION: 1975 TO 1982

(As of beginning of first session, except 97th Congress, 1982, beginning of second session. Dem. = Democratic; Rep. = Republican)

SENIORITY AND OCCUPATION	REPRESENTATIVES						SENATORS					
	94th Cong., 1975	95th Cong., 1977	96th Cong., 1979	97th Cong., 1982			94th Cong., 1975	95th Cong., 1977	96th Cong., 1979	97th Cong., 1982		
				Total	Dem.	Rep.				Total	Dem.	Rep.
Total	436	436	436	436	244	191	100	180	100	100	46	53
Seniority:												
Less than 2 years	96	71	80	63	28	55	11	18	20	19	3	16
2-9 years	162	207	208	226	141	85	41	41	41	51	26	25
10-19 years	125	116	105	95	52	43	33	24	23	17	7	9
20-29 years	42	23	32	23	15	8	10	12	12	11	8	3
30 years or more	10	8	10	8	6	-	4	5	4	2	2	-
Occupation: ¹												
Agriculture	31	18	19	26	11	17	10	9	6	9	2	7
Business or banking	140	118	127	134	57	77	22	24	29	28	13	15
Education	64	70	57	58	38	20	10	8	7	10	5	5
Journalism	24	27	11	21	9	12	5	6	2	7	4	3
Law	221	222	206	197	116	81	67	68	65	59	33	26
Public service/politics ²	346	80	41	46	29	19	84	17	12	13	6	7

- Represents zero. ¹Includes vacancies. ²Includes 1 independent. ³Not all occupations reported are shown. Source: Congressional Quarterly, Inc., Washington, D.C., *Congressional Quarterly Weekly Report*, vol. 38, No. 4, Jan. 24, 1981, and previous issues (copyright), and unpublished data. Members of Congress may state more than 1 occupation; therefore, sum may be greater than total. ⁴Beginning 95th Congress, data not comparable with 94th Congress because of change in criteria.

Source of tables 793 and 794: Except as noted, compiled by U.S. Bureau of the Census from U.S. Congress, Joint Committee on Printing, *Congressional Directory*, annual; beginning 1977, biennial.

No. 795. NUMBER OF GOVERNORS, BY POLITICAL PARTY AFFILIATIONS: 1960 TO 1982

(As of Jan. 1)

YEAR	Democrat	Republican	YEAR	Democrat	Republican	YEAR	Democrat	Republican	Independent
1960	34	18	1967	25	25	1975	26	13	1
1961	34	18	1968	24	28	1976	38	13	1
1962	34	18	1969	20	30	1977	37	12	1
1963	34	18	1970	18	32	1978	37	12	1
1964	34	18	1971	29	21	1979	32	16	-
1965	33	17	1972	30	20	1980	31	19	-
1966	33	17	1973	31	19	1981	27	23	-
			1974	32	18	1982	27	23	-

Represents zero.

Source: National Governors' Association, Washington, D.C., *Governors of the American States, Commonwealths, and Territories, 1982*. (Copyright.)

No. 796. VOTE CAST FOR AND GOVERNOR ELECTED, BY STATES: 1974 TO 1980

(In thousands, except percent. D=Democratic, R=Republican, Independent)

STATE	1974		1976		1978		1980		Candidate elected at most recent election
	Total vote ¹	Per-cent leading party	Total vote ¹	Per-cent leading party	Total vote ¹	Per-cent leading party	Total vote ¹	Per-cent leading party	
Alabama	598	D-63.2	(x)	(x)	780	D-72.6	(x)	(x)	Forrest H. James.
Alaska	98	R-47.7	(x)	(x)	127	R-39.1	(x)	(x)	Jay S. Hammond.
Arizona	552	D-50.4	(x)	(x)	539	D-52.5	(x)	(x)	Bruce Babbitt.
Arkansas	545	D-85.8	727	D-83.2	529	D-63.3	839	R-51.9	Frank D. White.
California	6,248	D-60.1	(x)	(x)	6,822	D-56.0	(x)	(x)	Edmund Brown, Jr.
Colorado	829	D-63.2	(x)	(x)	824	D-58.8	(x)	(x)	Richard D. Lamm.
Connecticut	1,103	D-58.4	(x)	(x)	1,037	D-59.2	(x)	(x)	Ellis T. Grasso.
Delaware	(x)	(x)	230	R-58.9	(x)	(x)	225	R-70.6	Pierre S. du Pont.
Florida	1,829	D-61.2	(x)	(x)	2,530	D-55.6	(x)	(x)	Robert Graham.
Georgia	936	D-69.1	(x)	(x)	863	D-80.7	(x)	(x)	George Busbee.
Hawaii	250	D-54.6	(x)	(x)	282	D-54.5	(x)	(x)	George R. Ariyoshi.
Idaho	260	D-70.9	(x)	(x)	289	D-74.5	(x)	(x)	John V. Evans.
Illinois	(x)	(x)	4,639	R-64.7	3,150	R-58.0	(x)	(x)	James R. Thompson.
Indiana	(x)	(x)	2,175	R-58.8	(x)	(x)	2,178	R-57.7	Robert D. Orr.
Iowa	920	R-58.1	(x)	(x)	843	R-58.3	(x)	(x)	Robert Ray.
Kansas	784	R-49.5	(x)	(x)	736	D-49.4	(x)	(x)	John Carlin.
Kentucky ²	748	D-62.6	(x)	(x)	939	D-59.4	(x)	(x)	John Y. Brown.
Louisiana	³ 1,203	³ 62.4	(x)	(x)	⁴ 1,372	⁴ R-50.3	(x)	(x)	David C. Treen.
Maine	364	R-39.1	(x)	(x)	370	D-47.7	(x)	(x)	Joseph E. Brennan.
Maryland	949	D-63.5	(x)	(x)	1,012	D-71.0	(x)	(x)	Harry Hughes.
Massachusetts	1,855	D-53.4	(x)	(x)	1,962	D-52.5	(x)	(x)	Edward J. King.
Michigan	2,657	R-51.1	(x)	(x)	2,867	R-56.8	(x)	(x)	William Milliken.
Minnesota	1,253	D-82.8	(x)	(x)	1,586	R-52.3	(x)	(x)	Albert H. Quie.
Mississippi ²	708	D-52.2	(x)	(x)	677	D-61.1	(x)	(x)	William Winter.
Missouri	(x)	(x)	1,934	D-50.2	(x)	(x)	2,089	R-52.6	Christopher S. Bond.
Montana	(x)	(x)	317	D-61.7	(x)	(x)	360	D-55.4	Ted Schwinden.
Nebraska	451	D-59.2	(x)	(x)	492	R-55.9	(x)	(x)	Charles Thone.
Nevada	188	D-67.4	(x)	(x)	192	R-58.2	(x)	(x)	Robert F. List.
New Hampshire	227	R-51.1	343	R-57.7	270	D-49.4	384	D-59.0	Hugh J. Gallen.
New Jersey ³	2,122	D-66.7	2,126	D-56.7	(x)	(x)	2,317	R-49.5	Thomas Kean.
New Mexico	329	D-49.9	(x)	(x)	346	D-50.5	(x)	(x)	Bruce King.
New York	5,293	D-57.2	(x)	(x)	4,789	D-50.9	(x)	(x)	Hugh Carey.
North Carolina	(x)	(x)	1,894	D-65.0	(x)	(x)	1,847	D-61.9	James B. Hunt, Jr.
North Dakota	(x)	(x)	297	D-51.6	(x)	(x)	303	R-53.6	Allen I. Olson.
Ohio	3,072	R-48.6	(x)	(x)	2,843	R-49.3	(x)	(x)	James Rhodes.
Oklahoma	605	D-63.9	(x)	(x)	777	D-51.7	(x)	(x)	George Nigh.
Oregon	771	D-57.7	(x)	(x)	911	R-54.7	(x)	(x)	Victor Atiyeh.
Pennsylvania	3,491	D-53.8	(x)	(x)	3,742	R-52.5	(x)	(x)	Richard Thornburgh.
Rhode Island	322	D-78.5	399	D-54.6	314	D-62.8	406	D-73.7	J. Joseph Garrahy.
South Carolina	523	R-50.9	(x)	(x)	627	D-61.4	(x)	(x)	Richard Riley.
South Dakota	278	D-53.6	(x)	(x)	280	R-56.6	(x)	(x)	William Janklow.
Tennessee	1,041	D-55.4	(x)	(x)	1,190	R-55.6	(x)	(x)	Lamar Alexander.
Texas	1,865	D-61.4	(x)	(x)	2,370	R-50.0	(x)	(x)	William Clements.
Utah	(x)	(x)	540	D-52.0	(x)	(x)	600	D-55.2	Scott M. Matheson.
Vermont	141	D-58.6	186	R-53.4	124	R-62.8	210	R-58.6	Richard A. Snelling.
Virginia ²	1,035	R-50.7	1,251	R-55.9	(x)	(x)	1,421	D-53.5	Charles Robb.
Washington	(x)	(x)	1,548	D-53.1	(x)	(x)	1,731	R-56.7	John Spellman.
West Virginia	(x)	(x)	749	D-66.2	(x)	(x)	742	D-54.1	John Rockefeller, IV.
Wisconsin	¹ 1,182	D-53.2	(x)	(x)	1,501	R-64.4	(x)	(x)	Lee Dreyfus.
Wyoming	128	D-55.9	(x)	(x)	138	D-60.9	(x)	(x)	Ed Herschler.

X Not applicable. Includes minor party and scattered votes. ¹Voting years, 1975 and 1979. ²Primary election, Nov. 1975, held on a non-party basis. ³Dec. 1979 vote. ⁴Voting years, 1973, 1977, and 1981.

Source: Elections Research Center, Washington, D.C., *America Votes*, biennial (copyright).

No. 797. COMPOSITION OF STATE LEGISLATURES, BY POLITICAL PARTY AFFILIATIONS: 1974 TO 1990

[Data reflect election results in year shown for most States; and, except as noted, results in previous year for other States. Figures reflect immediate results of elections, including holdover members in State houses which do not have all of their members running for re-election. Dem.=Democratic; Rep.=Republican. In general, Lower House refers to body consisting of State Representatives; Upper House, of State Senators.]

STATE	LOWER HOUSE								UPPER HOUSE							
	1974 ¹		1976 ²		1978 ³		1980 ⁴		1974 ¹		1976 ²		1978 ³		1980 ⁴	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
U.S.	3,798	1,765	3,772	1,763	3,454	2,027	3,288	2,190	1,307	620	1,306	618	1,280	609	1,182	742
Ala.	105	-	103	2	101	4	100	4	35	-	34	-	35	-	35	-
Alaska ¹²	30	9	25	15	25	14	22	16	13	7	12	8	9	11	11	9
Ariz.	27	33	22	38	18	42	17	43	18	12	16	14	14	16	14	16
Ark. ¹³	98	2	95	5	94	6	89	7	34	1	34	1	35	-	35	1
Calif. ¹²	55	25	57	23	50	30	48	32	25	15	26	14	25	14	23	17
Colo. ¹²	39	26	30	35	27	36	26	39	16	19	17	18	13	22	13	22
Conn.	118	33	91	60	103	48	83	66	29	7	22	14	26	10	22	13
Del. ¹²	25	16	26	15	20	21	16	25	13	8	13	8	13	8	12	9
Fla. ¹²	66	34	63	27	66	31	61	39	27	12	30	9	29	11	27	13
Ga.	155	24	156	24	160	20	156	23	51	6	52	4	51	5	51	6
Hawaii	35	16	41	10	42	9	36	12	16	7	18	7	16	7	17	8
Idaho	27	43	22	48	20	50	14	56	13	22	15	20	16	19	12	23
Ill.	101	76	94	83	89	88	86	91	34	25	34	25	32	27	30	29
Ind. ¹²	56	44	48	52	48	54	36	63	23	27	26	22	21	29	15	36
Iowa ¹²	61	39	59	41	44	56	42	58	26	24	26	24	21	26	22	26
Kans.	53	72	66	60	56	69	53	72	14	26	19	21	19	21	16	24
Ky. ¹²	78	22	78	22	75	25	75	24	30	8	29	9	29	9	29	9
La.	101	4	101	4	96	9	95	10	38	1	36	1	39	-	39	-
Maine	91	59	88	62	77	73	84	67	14	16	12	21	13	19	16	17
Md.	126	15	125	15	125	16	125	15	39	8	39	8	40	7	40	7
Mass.	190	45	182	44	129	30	126	31	33	7	33	6	33	6	32	7
Mich.	66	44	66	42	70	40	64	46	24	14	24	14	24	14	24	14
Minn.	103	31	100	34	67	67	70	64	36	28	46	19	47	20	45	22
Miss.	119	3	117	3	116	4	115	4	50	2	50	2	48	4	48	4
Mo. ¹²	114	48	112	51	117	46	111	52	23	11	22	12	22	12	23	10
Mont. ¹²	67	33	57	43	55	45	43	57	30	20	25	25	26	24	21	29
Nebr.	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)
Nev. ¹²	31	9	35	5	26	14	26	14	17	3	17	3	15	5	15	5
N.H.	167	233	175	219	170	223	160	238	12	12	12	12	11	13	10	13
N.J.	49	31	54	26	44	36	43	37	29	10	27	13	27	13	22	18
N. Mex.	51	19	48	22	41	29	41	29	29	13	33	9	32	10	22	20
N.Y.	68	62	67	58	66	64	66	63	26	34	21	36	25	35	25	35
N.C.	111	9	114	8	106	14	95	24	49	1	47	3	44	6	40	10
N. Dak. ¹²	40	62	50	50	29	71	27	73	17	34	18	32	16	35	10	40
Ohio ¹²	59	40	62	37	62	37	54	45	21	12	21	12	18	15	15	11
Okla. ¹²	78	25	79	22	75	26	73	26	39	9	38	9	36	10	37	11
Oreg. ¹²	36	22	37	23	34	26	33	27	22	7	24	6	23	7	22	8
Pa. ¹²	114	89	118	64	100	102	100	103	29	20	26	20	26	22	23	25
R.I.	83	17	83	17	84	16	82	18	33	4	45	5	46	4	43	7
S.C. ¹²	107	17	111	12	107	16	107	17	44	2	43	3	43	3	41	5
S. Dak.	33	37	22	46	22	46	21	49	19	16	12	23	11	24	10	25
Tenn.	63	36	66	32	60	38	57	39	20	12	23	9	20	12	20	11
Tex. ¹²	134	16	131	19	127	23	114	35	26	3	27	4	26	5	23	7
Utah ¹²	40	35	35	40	24	51	17	58	15	14	17	12	10	19	7	22
Vt.	65	75	75	74	69	79	64	86	12	18	9	21	10	20	14	16
Va.	78	17	76	21	74	25	66	33	35	5	35	5	31	9	31	9
Wash. ¹²	62	36	62	36	49	49	42	56	30	19	29	20	30	19	24	25
W. Va. ¹²	66	14	91	9	74	26	76	22	26	8	26	6	26	6	27	7
Wis. ¹²	63	36	66	33	60	37	59	39	19	14	22	11	21	12	19	14
Wyo. ¹²	29	32	29	32	20	42	23	39	15	15	12	18	11	19	11	19

- Represents zero. ¹Status as of late 1975; includes elections held and vacancies filled in 1975. ²Excludes 1 Independent each for Alaska, Maine, Tenn., and Wyo.; 3 Independents for Mass.; 5 Independents for Va.; and 10 Independents for Vt.; 1 vacancy for Ga. and 2 vacancies for Mass. ³Excludes 1 Independent each for Miss., N.Y., Tenn., Vt., and Wyo.; 3 Independents each for Mass. and Va.; 1 vacancy each for Md., Mass., Miss., Pa., and S.C.; 4 vacancies for N.Y.; and 6 vacancies for N.H. ⁴Status as of January 1976; includes elections held and vacancies filled in 1977. ⁵Excludes 1 Independent each for Maine, Mass., Tenn., and Va.; 1 Libertarian for Alaska; 2 Independent-Republicans for Miss.; 2 Independents for Vt.; 1 vacancy each for Pa. and S.C.; 2 vacancies for Wis.; and 7 vacancies for N.H. ⁶Status as of January 1980; includes elections held and vacancies filled in 1979. ⁷Excludes 1 Independent each for Md., Mass., and Va.; 2 Independents each for Miss. and Tenn.; 2 Libertarians for Alaska; 1 vacancy each for Ala., Ga., Ky., Miss., N.Y., N.C., Tenn., Tex., and Wis.; and 2 vacancies each for Ind. and N.H. ⁸Status as of late 1981; includes elections held and vacancies filled in 1981. ⁹Excludes 1 Independent each for Ala., Fla., and Tenn.; 2 vacancies for Pa.; and 3 vacancies for N.Y. ¹⁰Excludes 1 Independent each for Maine and Tenn.; and 1 vacancy for Calif. ¹¹Excludes 1 Independent each for Mass. and Tenn.; 1 vacancy each for Conn., Mo., N.H., and Tex.; and 2 vacancies for Pa. ¹²Upper House members serve 4-year terms, some elected every 2 years. ¹³Single chamber (unicameral body) of 49 members, elected without party designation.

Sources: The Council of State Governments, Lexington, Kentucky, *Book of the States*, and its Supplement (both biennial. Copyright.)

NO. 798. BLACK ELECTED OFFICIALS, BY OFFICE, 1970 TO 1981, AND BY REGIONS AND STATES, 1981

[As of July 1981, no Black elected officials had been identified in Idaho, Montana, New Hampshire, North Dakota, South Dakota, Utah, Vermont, or Wyoming. For composition of regions, see fig. 1, inside front cover.]

YEAR, REGION, AND STATE	Total	U.S. and State legislatures ¹	City and county offices ²	Law enforcement ³	Educational ⁴	STATE	Total	U.S. and State legislatures ¹	City and county offices ²	Law enforcement ³	Educational ⁴
1970 (Feb.)	1,472	182	715	213	362	Iowa	6	-	-	1	5
1972 (Mar.)	2,264	224	1,108	263	669	Kans.....	28	5	12	1	8
1973 (Apr.)	2,621	256	1,264	334	767	Ky.....	68	4	56	11	17
1974 (Apr.)	2,991	256	1,602	340	793	La.....	387	12	215	45	95
1975 (Apr.)	3,503	299	1,878	387	939	Maine.....	3	-	2	-	1
1976 (Apr.)	3,979	299	2,274	412	994	Md.....	78	21	46	9	2
1977 (July)	4,311	316	2,497	447	1,051	Mass.....	28	6	13	-	9
1978 (July)	4,503	316	2,595	454	1,138	Mich.....	291	19	127	37	108
1979 (July)	4,584	315	2,647	486	1,136	Minn.....	10	1	3	3	3
1980 (July)	4,890	326	2,832	526	1,206	Miss.....	436	17	256	75	88
1981, July	5,014	343	2,983	549	1,259	Mo.....	134	19	91	10	14
Northeast.....	572	58	200	92	222	Nebr.....	6	1	1	-	4
No. Central.....	1,070	94	588	104	284	Nev.....	8	3	2	2	1
South.....	3,070	164	1,991	283	632	N.J.....	158	5	76	-	77
West.....	302	27	84	70	121	N. Mex.....	5	-	4	-	1
Ala.....	247	16	161	37	33	N.Y.....	197	17	38	38	104
Alaska.....	3	1	1	-	1	N.C.....	255	3	172	10	70
Ariz.....	15	2	6	2	5	Ohio.....	199	13	108	20	58
Ark.....	218	5	101	30	82	Okla.....	85	4	59	2	20
Calif.....	233	13	59	57	104	Oreg.....	6	1	2	2	1
Colo.....	15	3	4	4	4	Pa.....	125	17	41	46	19
Conn.....	53	11	25	6	11	R.I.....	8	2	6	-	1
Del.....	15	3	10	-	2	S.C.....	227	16	139	14	58
D.C.....	253	1	244	-	8	Tenn.....	123	14	82	10	17
Fla.....	110	4	88	5	13	Tex.....	195	14	93	18	70
Ga.....	266	23	174	13	56	Utah.....	1	1	-	-	-
Hawaii.....	2	1	-	-	1	Va.....	91	5	83	3	-
Ill.....	313	25	188	26	74	Wash.....	14	2	6	3	3
Ind.....	67	7	49	4	7	W. Va.....	16	2	12	1	1
						Wis.....	18	4	9	2	3

- Represents zero. ¹Includes elected State administrators and directors of State agencies. ²County commissioners and councilmen, mayors, vice mayors, aldermen, regional officials, and other. ³Judges, magistrates, constables, marshals, sheriffs, justices of the peace, and other. ⁴College boards, school boards and other.

Source: Joint Center for Political Studies, Washington, D.C., *National Roster of Black Elected Officials*, annual. (Copyright.)

NO. 799. VOTER REGISTRATION IN 11 SOUTHERN STATES, BY RACE: 1960 TO 1982

[In thousands, except percent. For 1960 to 1970, population 21 yr. and over, except Ga., 18 yr. and over, beginning 1975, population 18 yr. and over for all Southern States. For voting age population, see table 802.]

YEAR AND RACE	Total	Ala.	Ark.	Fla.	Ga.	La.	Miss.	N.C.	S.C.	Tenn.	Tex.	Va.
1960: White	12,276	860	518	1,819	1,020	993	478	1,861	481	1,300	2,079	867
Black	1,463	68	73	183	160	159	22	210	58	185	227	100
Percent White ¹	61.1	63.6	60.9	69.3	56.8	76.9	63.9	92.1	57.1	73.0	42.5	46.1
Percent Black ^{1 2}	29.1	13.7	38.0	39.4	29.3	31.1	5.2	39.1	13.7	59.1	35.5	23.1
1960: White	14,310	1,192	596	2,063	1,378	1,072	471	1,654	718	1,375	2,600	1,159
Black	2,689	250	115	303	300	243	175	282	191	225	400	205
1970: White	16,965	1,311	728	2,495	1,615	1,143	690	1,640	688	1,600	3,599	1,496
Black	3,357	315	153	302	395	319	286	305	221	242	550	269
1976: White	21,890	1,544	817	3,480	1,703	1,445	888	2,137	828	1,886	5,191	1,794
Black	4,149	321	204	410	598	421	266	396	285	271	640	317
1980: White	24,961	1,700	1,056	4,331	1,800	1,550	1,152	2,314	916	2,200	6,020	1,942
Black	4,254	350	130	489	450	465	330	440	320	300	620	360
Percent White ¹	71.9	81.4	76.9	67.7	63.0	74.8	96.9	70.1	58.5	78.5	75.1	62.2
Percent Black ¹	55.8	55.8	57.2	58.3	46.6	60.7	62.3	51.3	53.7	64.0	56.0	53.2
1982: White	22,668	1,657	984	4,200	1,907	1,491	1,055	2,161	862	1,996	4,753	1,620
Black	4,302	437	145	500	467	468	340	436	321	310	548	330
Percent White ¹	65.8	79.4	70.2	65.7	65.8	71.9	90.6	65.5	55.0	71.3	59.3	58.3
Percent Black ¹	56.5	69.7	63.9	59.7	50.4	61.1	64.2	50.9	53.9	66.1	49.5	49.5

¹Of voting age population. ²Includes other minority races. ³1975 data. ⁴Estimated.
Source: Voter Education Project, Inc., Atlanta, Ga., *Voter Registration in the South*, issued irregularly.

No. 800. WOMEN HOLDING STATE AND LOCAL PUBLIC OFFICES, BY OFFICE, 1975 TO 1981, AND BY STATES, 1981

[As of August. For data on women in U.S. Congress, see table 793]

YEAR AND STATE	Total	State legis- la- ture	County com- mis- sion	Mayor- alty	Town- ships and local councils	STATE	Total	State legis- la- ture	County com- mis- sion	Mayor- alty	Town- ships and local councils
1975	7,089	¹ 702	458	588	5,365	Minn. ²	546	24	13	65	444
1977	11,392	¹ 806	658	735	9,195	Miss. ²	191	2	5	18	166
1979	14,353	¹ 947	947	998	11,481	Mo. ²	424	22	22	32	348
1980	16,083	763	1,144	1,333	12,843	Mont. ²	133	17	10	11	95
1981 ³	16,585	808	1,205	1,680	12,792	Nebr. ²	229	5	22	17	185
Percent ⁴	12	12	7	9	14	Nev.	19	7	4	1	7
Ala.	327	6	9	26	286	N.H.	207	124	4	26	53
Alaska	199	6	12	11	⁴ 170	N.J.	435	8	17	39	371
Ariz.	118	17	7	8	86	N. Mex.	115	7	11	12	85
Ark.	375	5	64	34	272	N.Y.	171	18	100	45	⁴ 8
Calif.	468	12	52	66	338	N.C.	336	22	36	39	239
Colo.	339	23	13	26	277	N. Dak.	189	18	7	18	146
Conn.	297	44	(x)	17	236	Ohio ²	789	10	18	20	741
Del.	71	9	3	12	47	Okla. ²	298	12	6	39	241
D.C.	6	(x)	(x)	-	6	Oreg. ²	347	20	30	31	266
Fla.	362	17	38	32	275	Pa.	533	12	16	58	⁴ 447
Ga.	222	17	22	18	165	R.I. ²	57	15	(x)	-	42
Hawaii	20	14	4	1	1	S.C.	185	11	21	12	141
Idaho	153	10	8	19	116	S. Dak.	171	11	13	23	124
Ill.	669	32	⁴ 117	66	⁴ 454	Tenn. ²	218	6	75	6	131
Ind.	353	12	59	⁴ 200	⁴ 82	Tex. ²	740	12	25	73	630
Iowa ²	624	18	25	35	546	Utah	137	8	3	11	115
Kans.	550	22	23	118	367	Vt.	116	39	(x)	19	58
Ky. ²	457	10	25	45	377	Va.	217	9	12	13	183
La. ²	161	2	20	15	124	Wash.	333	35	10	40	248
Maine ²	270	42	-	57	171	W. Va. ²	228	16	7	17	188
Md. ²	160	28	9	12	111	Wis. ²	118	20	71	9	⁴ 18
Mass.	212	19	5	43	145	Wyo. ²	106	17	3	10	76
Mich.	2,584	16	129	115	2,324						

- Represents zero. X Not applicable. ¹Includes all major State appellate courts and trial courts: 92 in 1975, 110 in 1977, and 177 in 1979. ²Except for State legislature, data are preliminary. ³Percent of all officeholders. Total number of officeholders based on 1977 Census of Governments. ⁴Incomplete reporting. ⁵Township trustees counted as "mayor."

Source: Center for the American Woman and Politics, The Eagleton Institute of Politics, Rutgers University, New Brunswick, New Jersey, informal information releases.

No. 801. PARTICIPATION IN ELECTIONS FOR PRESIDENT AND U.S. REPRESENTATIVES: 1932 TO 1980

[Population estimated, as of November. Resident population 21 years old and over, 1932-1970, except as noted, and 18 and over thereafter; includes Armed Forces. Prior to 1960, excludes Alaska and Hawaii. Dist. of Col. is included in votes cast for President beginning 1964 and in votes cast for Representative beginning 1972]

YEAR	Resi- dent popu- la- tion (incl. aliens) of voting age ¹ (1,000)	VOTES CAST				YEAR	Resi- dent popu- la- tion (incl. aliens) of voting age ¹ (1,000)	VOTES CAST			
		For Presi- dent ² (1,000)	Per- cent of voting age popu- lation	For U.S. Repre- senta- tives ² (1,000)	Per- cent of voting age popu- lation			For Presi- dent ² (1,000)	Per- cent of voting age popu- lation	For U.S. Repre- senta- tives ² (1,000)	Per- cent of voting age popu- lation
1932	75,768	39,732	52.4	37,657	49.7	1956	104,515	62,027	59.3	58,426	55.9
1934	77,997	(x)	(x)	32,256	41.4	1958	106,447	(x)	(x)	45,818	43.0
1936	80,174	45,643	56.0	42,886	53.5	1960	109,672	68,838	62.8	64,133	58.5
1938	82,354	(x)	(x)	36,236	44.0	1962	112,952	(x)	(x)	51,267	45.4
1940	84,728	49,900	58.9	48,951	55.4	1964	114,090	70,645	61.9	65,895	57.8
1942	86,465	(x)	(x)	28,074	32.5	1966	116,638	(x)	(x)	52,908	45.4
1944	85,654	47,977	56.0	45,103	52.7	1968	120,285	73,212	60.9	66,288	55.1
1946	92,659	(x)	(x)	34,398	37.1	1970	124,498	(x)	(x)	54,173	43.5
1948	95,573	48,794	51.1	45,933	48.1	1972	140,777	77,719	55.2	71,430	50.7
1950	98,134	(x)	(x)	40,342	41.1	1974	146,338	(x)	(x)	52,495	35.9
1952	99,929	61,551	61.6	57,571	57.6	1976	152,308	81,556	53.5	74,422	48.9
1954	102,075	(x)	(x)	42,580	41.7	1978	158,369	(x)	(x)	55,332	34.9
						1980	164,381	86,515	52.6	77,995	47.4

X Not applicable. ¹Population 18 and over in Georgia, 1944-1970, and in Kentucky, 1956-1970; 19 and over in Alaska and 20 and over in Hawaii, 1960-1970. ²Source: 1932-1958, U.S. Congress, Clerk of the House, *Statistics of the Presidential and Congressional Election*.

Source: Except as noted, U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 916; and, beginning 1960, Elections Research Center, Washington, D.C., *America Votes*, biennial (copyright).

**No. 802. RESIDENT POPULATION OF VOTING AGE, 1972 TO 1982, AND BY SELECTED
CHARACTERISTICS, 1980 AND 1982—STATES**

(In thousands, except percent. Estimated population, 16 years old and over, as of November, except as noted. Includes Armed Forces stationed in each State, alien, and institutional population. Except as noted, data are consistent with 1980 census. Advance Reports series PC80-V; see text, pp. 1 and 2)

DIVISION AND STATE	1972	1976	1978	1980	1982					1982, 1 PERCENT OF VOTING-AGE POPULATION		
					Total	16-24 years	25-44 years	45-64 years	65 yr and over	Female	White	Spanish origin ¹
United States	146,777	152,366	156,366	164,361	166,342	28,817	67,967	44,475	26,963	52.4	78.5	5.5
New England	8,282	8,711	9,099	9,146	9,495	1,549	3,855	2,999	1,998	53.2	84.4	1.9
Maine	682	759	791	810	831	143	311	219	147	52.5	83.3	.4
New Hampshire	525	593	611	671	681	123	289	181	110	52.3	84.4	.5
Vermont	308	337	353	389	379	71	157	111	61	52.4	84.2	.6
Massachusetts	3,953	4,132	4,213	4,281	4,361	786	1,704	1,153	751	53.6	83.4	1.1
Rhode Island	882	909	907	910	926	129	289	198	132	53.5	83.5	1.8
Connecticut	2,091	2,201	2,254	2,307	2,376	396	927	606	367	52.8	83.0	3.1
Middle Atlantic	25,934	26,843	26,812	27,148	27,580	4,511	10,511	7,818	4,725	53.5	78.7	5.4
New York	12,717	12,892	12,912	12,845	13,159	2,175	5,094	3,674	2,209	53.8	78.4	8.3
New Jersey	5,010	5,220	5,326	5,417	5,544	891	2,147	1,601	908	53.2	78.0	5.7
Pennsylvania	8,207	8,531	8,673	8,785	8,983	1,460	3,270	2,543	1,610	53.3	81.1	1.0
East North Central	27,864	28,499	29,251	29,747	30,861	5,406	11,996	7,842	4,714	52.5	83.8	2.1
Ohio	7,148	7,461	7,638	7,731	7,793	1,367	3,077	2,122	1,228	52.8	82.2	.9
Indiana	3,498	3,692	3,812	3,883	3,904	713	1,553	1,025	613	52.5	83.1	1.3
Illinois	7,576	7,939	8,132	8,224	8,345	1,476	3,347	2,208	1,313	52.6	78.8	4.6
Michigan	6,876	6,214	6,406	6,526	6,554	1,208	2,688	1,712	967	52.2	78.7	1.4
Wisconsin	2,985	3,163	3,263	3,363	3,401	641	1,354	876	593	51.9	83.2	1.1
West North Central	11,766	11,799	12,122	12,396	12,696	2,251	4,892	3,197	2,271	52.3	81.1	1.8
Minnesota	2,537	2,726	2,829	2,961	2,968	559	1,210	725	500	51.9	81.1	.8
Iowa	1,817	2,028	2,075	2,091	2,094	363	792	536	400	52.4	81.2	.7
Missouri	3,240	3,409	3,499	3,577	3,601	636	1,380	955	609	53.1	81.3	.9
North Dakota	411	442	455	485	473	90	184	116	63	60.1	81.4	.5
South Dakota	443	489	489	485	482	88	177	124	94	51.3	81.3	.5
Nebraska	1,021	1,081	1,108	1,126	1,144	203	443	287	211	52.1	81.2	1.4
Kansas	1,539	1,828	1,828	1,726	1,756	317	675	451	315	51.9	81.8	2.2
South Atlantic	21,899	24,899	25,832	27,243	28,523	4,998	11,293	7,884	4,708	52.8	78.5	3.2
Delaware	379	412	428	432	443	86	174	119	64	52.8	78.2	1.1
Maryland	2,721	2,820	3,014	3,082	3,190	571	1,342	853	423	52.6	78.8	1.4
District of Columbia	537	525	515	493	487	90	204	119	74	54.9	78.8	2.8
Virginia	3,257	3,613	3,794	3,920	4,078	768	1,719	1,050	541	51.8	78.5	1.4
West Virginia	1,219	1,314	1,369	1,395	1,408	227	546	366	211	52.6	81.2	.6
North Carolina	3,546	3,907	4,088	4,117	4,117	820	1,774	1,188	655	52.4	78.9	.9
South Carolina	1,762	1,993	2,104	2,204	2,291	452	945	561	313	52.4	78.9	1.0
Georgia	3,153	3,484	3,667	3,868	4,040	753	1,717	1,016	554	52.8	78.3	1.1
Florida	5,313	6,406	6,862	7,585	8,169	1,221	2,841	2,271	1,836	53.0	78.9	8.5
East South Central	8,779	9,824	10,648	10,367	10,562	1,166	4,166	2,799	1,741	52.8	78.4	.8
Kentucky	2,223	2,434	2,528	2,590	2,620	476	1,045	673	427	52.2	81.7	.7
Tennessee	2,783	3,179	3,179	3,313	3,375	583	1,352	891	548	52.9	78.2	.7
Alabama	2,325	2,554	2,699	2,748	2,812	504	1,099	745	465	53.2	78.9	.8
Mississippi	1,462	1,603	1,672	1,718	1,745	333	670	442	301	53.2	81.0	.9
West South Central	13,281	14,984	15,798	16,898	17,798	2,394	7,394	4,492	2,899	52.0	78.4	11.2
Arkansas	1,354	1,502	1,575	1,629	1,650	273	618	432	328	52.9	78.1	.7
Louisiana	2,369	2,623	2,780	2,915	3,055	602	1,266	764	423	52.8	78.8	2.3
Oklahoma	1,818	1,990	2,081	2,199	2,299	409	903	600	367	52.2	81.0	1.5
Texas	7,719	8,789	9,350	10,117	10,793	2,039	4,607	2,697	1,450	51.6	78.1	17.7
Mountain	5,829	6,534	7,413	8,538	9,454	1,867	3,657	2,088	1,184	58.9	78.2	10.8
Montana	470	519	548	559	561	96	237	144	90	50.7	81.2	1.0
Idaho	490	567	612	643	661	117	281	161	102	50.7	81.3	3.2
Wyoming	226	267	296	332	364	65	180	82	39	48.9	81.7	4.4
Colorado	1,804	1,836	1,974	2,114	2,225	421	1,024	517	283	50.8	81.2	9.8
New Mexico	669	783	841	936	936	180	393	236	127	51.5	81.7	35.1
Arizona	1,315	1,611	1,786	1,936	2,061	366	828	522	345	51.5	81.5	13.3
Utah	669	791	859	936	996	208	438	261	118	51.3	81.7	3.8
Nevada	367	457	520	601	661	112	291	180	76	49.6	81.3	5.6
Pacific	18,837	20,788	22,079	23,436	24,369	4,311	10,473	6,143	3,463	51.3	78.6	12.7
Washington	2,330	2,601	2,781	3,030	3,154	547	1,368	775	465	50.9	81.4	2.3
Oregon	1,485	1,679	1,808	1,921	1,954	307	844	477	326	51.5	81.2	2.0
California	14,062	15,598	16,546	17,513	18,277	3,256	7,782	4,853	2,573	51.4	78.1	16.1
Alaska	203	257	289	274	287	80	156	58	13	46.3	81.4	2.1
Hawaii	547	624	667	698	716	111	312	181	85	48.6	81.8	6.0

¹Based on enumerated population as of April 1. Data are consistent with final census reports, series PC80-1-B; see text, pp. 1 and 2.

²Persons of Spanish origin may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 816.

Voter Registration and Persons Voting

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NO. 803. VOTER REGISTRATION AND PERSONS VOTING, BY STATES: 1972 TO 1980

[For 1972 and 1978, total persons voting restricted to number of ballots recorded by Secretaries of State as having been cast for any electoral office or referendum; or in those States which do not count total number of ballots (which are noted), the largest number of votes cast for a particular office. For 1980, total persons voting are total votes cast for President. For total resident voting-age population, see table 802.]

DIVISION AND STATE	PERSONS REGISTERED						PERSONS VOTING								
	Total (1,000)			Percent of voting-age population			Total (1,000)			Percent of registered			Percent of voting-age population		
	1972	1978	1980	1972	1978	1980	1972	1978	1980	1972	1978	1980	1972	1978	1980
U.S.	92,702	105,837	112,945	(x)	70.4	70.4	78,802	82,845	88,515	(x)	77.1	74.3	86.0	84.3	82.6
N.E.	8,615	8,584	7,030	80.1	75.8	76.7	5,293	5,452	5,467	80.0	82.8	77.8	84.1	82.8	88.8
Maine	616	696	780	89.0	91.7	93.6	421	486	523	88.3	88.6	88.8	80.8	84.0	84.8
N.H.	450	478	551	85.7	80.6	82.2	345	359	384	76.7	75.1	69.6	85.7	80.5	57.2
Vt.	273	284	312	88.6	84.3	84.5	194	194	213	71.1	68.3	68.4	83.0	57.6	57.8
Mass.	3,098	2,912	3,143	78.1	70.5	73.4	2,508	2,584	2,524	81.0	89.1	80.3	63.3	62.6	59.0
R.I.	532	545	547	78.0	79.1	77.1	416	411	416	78.2	75.4	78.0	81.0	59.7	58.6
Conn.	1,648	1,669	1,708	78.8	75.8	74.0	1,409	1,408	1,408	85.5	84.4	82.4	87.4	84.0	61.0
N.E.	18,782	17,718	17,385	72.3	66.5	64.0	14,846	14,326	13,738	79.7	80.8	78.0	57.8	53.8	50.8
N.Y.	9,207	8,199	7,870	72.4	63.6	60.8	7,323	5,666	6,202	79.5	81.3	78.8	57.6	51.7	47.9
N.J.	3,673	3,770	3,761	73.3	72.2	69.4	3,030	3,037	2,976	82.5	80.6	79.1	60.5	58.2	54.9
Pa.	5,872	5,750	5,754	71.5	67.4	65.5	4,592	4,621	4,562	78.2	80.4	79.3	56.0	54.2	51.9
E.N.C.	18,825	21,723	20,768	(x)	78.3	78.8	16,572	17,129	17,488	(x)	78.8	73.1	81.2	80.2	58.7
Ohio	4,628	4,693	5,887	84.7	82.8	76.2	4,220	4,195	4,284	91.2	89.4	72.8	59.0	58.2	55.4
Ind.	3,019	3,010	2,944	86.3	81.5	75.8	2,128	2,279	2,242	70.4	75.7	76.1	60.8	61.7	57.7
Ill.	6,215	6,252	6,212	82.0	78.8	75.5	4,883	4,839	4,750	78.6	77.4	76.5	64.5	61.0	57.8
Mich.	4,763	5,202	5,728	81.1	83.7	87.7	3,480	3,722	3,910	73.3	71.5	68.3	59.4	59.9	59.9
Wis.	(*)	2,566	(*)	(x)	81.1	(x)	1,853	2,104	2,273	(x)	82.0	(x)	62.5	66.5	67.2
W.N.C.	1,104	8,906	9,970	(x)	78.8	83.5	6,977	7,404	7,718	(x)	79.7	74.4	62.8	62.9	62.3
Minn.	(*)	2,566	2,787	(x)	84.1	95.2	1,774	1,979	2,062	(x)	77.5	73.8	89.9	72.6	70.1
Iowa	(*)	1,407	1,747	(x)	89.4	83.5	1,226	1,279	1,318	(x)	90.9	75.4	64.0	63.1	63.0
Mo.	(*)	2,553	2,841	(x)	74.9	79.4	1,888	1,954	2,100	(x)	78.5	73.9	57.6	57.3	58.7
N. Dak.	(*)	(*)	(*)	(x)	(x)	(x)	289	309	302	(x)	(x)	(x)	70.3	69.9	64.8
S. Dak.	392	426	448	88.5	90.8	92.3	308	301	328	78.8	70.7	73.2	89.5	64.2	67.6
Nebr.	712	841	858	69.7	77.8	75.9	582	824	841	83.1	74.2	74.9	58.0	57.7	58.8
Kans.	(*)	1,113	1,291	(x)	68.4	74.8	922	958	980	(x)	86.1	75.9	59.9	58.8	58.8
S.A.	14,508	15,790	17,265	88.3	84.2	83.4	9,842	11,414	12,588	88.5	72.3	72.8	45.4	46.4	48.2
Del.	283	301	301	77.3	73.1	69.6	236	236	236	80.5	78.4	78.5	62.3	57.3	54.6
Md.	1,816	1,950	2,065	86.7	86.8	87.0	1,354	1,440	1,540	74.6	73.8	74.8	49.8	49.3	50.0
D.C.	305	288	288	58.8	51.0	58.9	166	171	175	54.4	63.6	60.7	30.9	32.6	35.5
Va.	2,107	2,124	2,309	84.7	88.8	88.9	1,457	1,716	1,866	69.2	80.8	80.8	44.7	47.5	47.6
W. Va.	1,063	1,084	1,035	87.2	82.5	74.2	774	751	738	72.8	69.3	71.3	63.5	57.2	52.9
N.C.	2,358	2,554	2,775	86.5	85.4	85.1	1,519	1,679	1,856	64.4	65.7	66.9	42.8	43.0	43.5
S.C.	1,034	1,113	1,236	58.7	55.8	56.1	674	803	864	65.2	72.1	72.4	38.3	40.3	40.6
Ga.	2,043	2,302	2,467	84.8	85.9	83.8	1,179	1,487	1,597	57.7	63.7	64.7	37.4	42.0	41.3
Fla.	3,487	4,094	4,810	65.6	63.9	63.4	2,583	3,151	3,687	74.1	77.0	78.7	48.6	49.2	48.6
E.S.C.	5,209	5,480	7,798	(x)	88.4	76.1	3,965	4,586	5,147	(x)	88.7	86.1	46.2	47.7	48.6
Ky.	1,455	1,713	1,803	65.5	70.4	69.8	1,067	1,167	1,295	73.3	68.1	71.8	48.0	47.9	50.0
Tenn.	1,990	1,912	2,359	72.0	63.0	71.2	1,201	1,476	1,618	60.4	77.2	68.6	43.5	48.7	48.9
Ala.	1,764	1,865	2,142	75.9	73.0	78.0	1,051	1,183	1,342	59.6	63.4	62.6	45.2	46.3	48.8
Miss.	(NA)	(*)	1,488	(x)	(x)	86.6	848	769	893	(x)	(x)	60.1	44.2	48.0	52.0
W.S.C.	8,542	10,807	11,314	71.8	71.2	67.1	6,301	7,226	8,078	88.8	88.1	71.4	47.4	48.5	47.8
Ark.	1,010	1,021	1,189	74.6	68.0	73.0	851	768	836	84.5	75.2	70.5	48.1	51.1	51.4
La.	1,785	1,868	2,015	74.7	71.1	68.1	1,122	1,278	1,549	62.9	68.5	78.8	47.0	48.7	53.1
Okla.	1,247	1,401	1,489	68.6	70.4	68.6	1,067	1,108	1,150	84.8	79.1	78.2	56.1	55.7	52.3
Tex.	5,500	6,319	6,840	71.3	71.9	65.6	3,471	4,072	4,542	63.1	64.4	66.4	45.0	46.3	44.9
Mt.	4,223	4,982	5,585	(x)	72.9	68.5	3,482	3,881	4,346	(x)	77.9	77.8	58.2	56.8	64.1
Mont.	387	455	486	82.3	87.7	88.8	327	339	364	84.5	74.5	73.3	69.6	65.3	65.1
Idaho	387	520	581	81.0	91.7	90.4	310	355	437	78.1	68.3	75.3	63.3	62.6	68.0
Wyo.	(NA)	185	219	(x)	73.0	64.1	152	160	177	(x)	62.1	80.5	67.3	59.9	63.2
Colo.	1,220	1,348	1,434	76.1	73.4	67.8	954	1,082	1,184	75.2	80.2	82.6	59.5	58.9	58.0
N. Mex.	506	527	653	75.5	67.3	72.8	396	426	457	78.4	80.8	70.0	58.2	54.4	51.0
Ariz.	862	980	1,121	65.6	60.8	57.3	648	766	874	75.2	78.1	78.0	49.3	47.5	44.7
Utah	821	705	782	90.1	89.1	83.5	480	548	604	77.3	77.7	77.3	69.7	68.3	64.8
Nev.	231	251	298	62.9	64.9	49.6	185	208	248	80.1	82.1	83.1	50.4	45.1	41.2
Pac.	14,128	14,037	15,828	75.6	67.8	67.8	11,456	11,208	11,873	81.1	78.8	75.8	61.5	64.0	61.1
Wash.	1,975	2,065	2,237	84.8	79.4	73.8	1,520	1,585	1,742	77.0	76.8	77.9	65.2	60.9	57.5
Oreg.	1,196	1,420	1,569	80.1	84.8	81.7	853	1,049	1,182	79.5	73.9	75.3	63.7	62.5	61.5
Calif.	10,468	9,982	11,361	74.4	64.0	64.9	8,586	8,137	8,587	82.1	81.5	75.6	61.1	52.2	49.0
Alaska	149	207	258	73.4	80.5	84.4	99	128	158	86.4	61.8	61.2	48.8	48.8	57.8
Hawaii	338	363	403	61.8	58.2	57.9	287	309	303	84.9	85.1	75.3	52.5	49.5	43.8

NA Not available X Not applicable *Excludes States for which data were not available. *Total vote for largest race, Senator. *Total vote for largest race, President. *No required statewide registration; excluded from totals for persons registered. *Total vote for largest race, Governor. *Estimated.

Source: National Republican Congressional Committee, Washington, D.C., unpublished data.

No. 804. PERCENT OF VOTING-AGE POPULATION CASTING VOTES—STATES: 1972 TO 1980

(As of November. For total resident voting-age population, see table 802)

STATE AND DIVISION	PERCENT CASTING VOTES FOR PRESIDENTIAL ELECTORS			PERCENT CASTING VOTES FOR U.S. REPRESENTATIVES			STATE AND DIVISION	PERCENT CASTING VOTES FOR PRESIDENTIAL ELECTORS			PERCENT CASTING VOTES FOR U.S. REPRESENTATIVES		
	1972	1976	1980	1972	1976	1980		1972	1976	1980	1972	1976	1980
U.S.	65.2	63.6	62.8	48.9	34.9	47.4	S.A.—Con.						
New England	82.9	81.4	80.8	58.1	43.4	55.2	West Virginia	62.5	57.2	52.9	50.5	32.5	49.2
Maine	80.3	83.7	84.6	82.3	48.8	83.3	North Carolina	42.8	43.0	43.5	40.2	25.0	40.7
New Hampshire	83.6	57.3	57.2	54.8	40.4	54.2	South Carolina	38.2	40.3	40.6	38.3	27.4	37.7
Vermont	60.7	55.7	57.8	54.9	34.3	52.8	Georgia	37.3	42.0	41.3	35.9	16.1	35.0
Massachusetts	62.0	61.7	59.0	58.8	42.9	52.7	Florida ¹	48.6	49.2	48.8	32.5	23.8	40.8
Rhode Island	61.0	59.7	58.6	58.5	43.6	54.5	E. So. Central						
Connecticut	66.2	62.8	61.0	61.2	45.3	58.0	Kentucky	44.7	47.8	48.6	40.1	26.8	40.1
Middle Atlantic	56.9	53.2	50.6	49.7	36.6	46.7	Tennessee	48.0	48.0	50.0	40.6	18.9	40.8
New York	56.3	50.7	47.9	46.5	33.9	43.4	Alabama	43.5	48.7	48.8	41.2	33.4	39.4
New Jersey	58.8	57.7	54.9	53.9	36.3	50.6	Mississippi	43.3	46.3	48.6	38.5	24.1	36.8
Pennsylvania	56.0	54.2	51.9	52.0	40.8	49.2	W. So. Central	44.2	48.0	52.0	39.7	31.0	46.0
E. No. Central	60.2	59.0	58.7	55.2	39.1	54.9	Arkansas ²	46.7	48.4	47.9	40.8	24.3	34.6
Ohio	57.3	55.1	55.4	51.5	36.4	51.1	Louisiana	48.1	51.1	51.4	22.4	18.6	12.4
Indiana	60.8	60.1	57.7	57.0	38.0	56.4	Oklahoma ²	44.0	48.7	53.1	38.7	27.9	25.0
Illinois	62.3	59.4	57.8	55.0	37.4	54.4	Texas	56.7	54.9	52.3	53.7	28.3	38.0
Michigan	59.4	58.8	59.9	56.2	42.3	55.0	Mountain	45.0	46.3	44.9	41.7	23.9	40.2
Wisconsin	62.5	66.5	67.2	62.0	44.4	63.1	Montana	58.3	55.8	54.1	54.3	38.6	51.9
W. No. Central	62.2	62.4	62.3	60.7	46.6	60.6	Idaho	67.6	63.3	65.1	61.8	51.6	60.6
Minnesota	68.6	71.5	70.1	65.8	54.1	65.1	Wyoming	63.3	60.7	68.0	60.3	46.8	64.5
Iowa	64.0	63.1	63.0	61.3	39.1	60.1	Colorado	64.4	58.6	53.2	58.6	43.6	51.2
Missouri	57.3	57.3	58.7	55.9	44.2	57.3	New Mexico	59.5	58.8	58.0	55.5	39.8	54.4
North Dakota	68.3	67.2	64.8	65.6	48.4	63.0	Arizona	57.7	53.4	51.0	51.2	33.9	45.6
South Dakota	69.4	64.1	67.6	62.9	53.3	66.0	Utah	47.4	46.1	44.7	45.3	29.4	43.7
Nebraska	66.4	66.2	66.8	55.7	44.7	55.4	Nevada	69.4	68.4	64.6	66.8	44.2	63.2
Kansas	59.5	58.8	58.8	55.8	40.2	54.1	Pacific	49.5	44.2	41.2	43.8	36.7	40.8
South Atlantic	45.3	46.3	48.2	38.7	25.1	40.5	Washington	58.7	52.4	61.1	48.2	38.7	48.4
Delaware	62.1	57.2	54.8	52.2	37.1	50.2	Oregon	63.1	59.8	57.5	54.8	35.1	53.7
Maryland	48.8	49.3	50.0	45.1	30.7	45.5	California	62.1	61.3	61.5	55.2	48.3	57.6
District of Col.	30.4	32.2	35.5	30.5	18.6	30.8	Alaska	59.5	50.4	49.0	47.8	39.4	48.7
Virginia	44.7	47.0	47.6	40.5	27.9	39.6	Hawaii	48.9	48.1	57.8	45.6	48.1	58.8
								49.4	46.7	43.8	47.1	38.5	40.4

¹ See footnote 3, table 786.² State law does not require tabulation of votes for unopposed candidates.Source: Compiled by U.S. Bureau of the Census. Population data from U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 816; votes cast from Elections Research Center, Washington, D.C., *America Votes*, biennial (copyright).

No. 805. VOTING-AGE POPULATION, AND PERCENT REPORTING REGISTERED AND VOTED: 1972 TO 1980

(See headnote, table 806)

CHARACTERISTIC	VOTING-AGE POPULATION (mil.)					PERCENT REPORTING THEY REGISTERED					PERCENT REPORTING THEY VOTED				
	1972	1974	1976	1978	1980	1972	1974	1976	1978	1980	1972	1974	1976	1978	1980
Total	126.2	141.3	148.6	151.6	157.1	72.3	82.2	86.7	82.8	88.9	63.0	44.7	59.2	45.8	60.2
White	121.2	125.1	129.3	133.4	137.7	73.4	83.5	88.3	83.8	88.4	64.5	48.3	60.9	47.3	60.9
Black	13.6	14.2	14.9	15.6	16.4	66.5	64.9	58.5	57.1	60.0	52.1	33.8	48.7	37.2	50.5
Spanish origin ¹	5.6	8.1	8.6	6.8	8.2	44.4	34.9	37.8	32.9	38.3	37.4	22.9	31.8	23.5	29.9
Male	63.8	66.4	69.0	71.5	74.1	73.1	82.8	87.1	82.6	88.6	64.1	46.2	59.6	46.6	59.1
Female	72.4	74.9	77.6	80.2	83.0	71.6	61.7	68.4	62.5	67.1	62.0	43.4	58.6	45.3	59.4
North and West ²	83.7	86.5	89.4	102.9	106.5	73.9	83.3	87.7	83.8	87.9	66.4	48.6	61.2	48.9	61.0
South ¹	42.6	44.8	47.1	48.8	50.6	68.7	59.6	64.6	60.1	64.6	55.4	38.0	54.9	39.6	55.8
Metropolitan ³	99.2	101.3	99.8	103.1	108.7	72.5	81.2	85.7	81.3	85.6	64.3	44.7	59.2	46.0	58.8
In central cities	42.4	43.9	43.1	43.7	44.0	70.9	59.5	63.3	59.2	63.5	62.2	42.6	56.6	44.2	56.3
Outside central cities	56.9	57.4	56.5	59.4	62.8	73.6	62.6	67.6	62.8	67.3	65.9	46.3	61.2	47.4	60.6
Nonmetropolitan	37.0	40.0	47.0	48.8	50.5	71.7	64.7	68.8	65.3	69.2	59.4	44.7	59.1	45.6	60.2
18-20 yr	11.0	11.6	12.1	12.2	12.3	58.1	38.4	47.1	34.7	44.7	48.3	20.8	38.0	20.1	36.7
21-24 yr	13.6	14.1	14.8	15.5	15.9	59.5	45.3	54.8	46.1	52.7	50.7	26.4	45.6	26.2	43.1
25-44 yr	46.1	51.7	54.3	57.5	61.3	71.3	59.9	65.5	60.2	65.6	62.7	42.2	56.7	43.1	58.7
45-64 yr	42.9	43.0	43.3	43.4	43.8	79.7	73.8	75.5	74.3	75.8	70.6	56.9	66.7	58.5	69.3
65 yr and over	20.1	21.0	22.0	23.0	24.1	75.6	70.2	71.4	72.8	74.6	63.5	51.4	62.2	55.9	65.1
Employed	80.2	83.1	86.0	93.2	95.0	74.3	83.8	88.8	83.0	88.7	66.0	46.8	62.0	46.7	61.8
Unemployed	3.7	5.0	6.4	4.9	6.9	58.7	44.4	52.1	44.1	50.3	49.9	26.8	43.7	27.4	41.2
Not in labor force	52.9	53.2	54.1	53.5	55.2	70.3	61.3	65.2	63.4	65.8	59.3	43.0	56.5	46.2	57.0

¹ Persons of Spanish origin may be of any race.² See fig. 1, inside front cover.³ Standard metropolitan statistical areas⁴ defined in 1970 census publications.Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 370 and earlier reports.

**NO. 806. PARTICIPATION IN NATIONAL ELECTIONS, 1964 TO 1980, AND BY POPULATION
CHARACTERISTICS, 1980**

[As of November. Covers civilian noninstitutional population 18 years old and over, except 1964-1970, 21 years old and over (see also footnote 1, table 801). Includes aliens. Figures are based on Current Population Survey (see text, p. 2, and Appendix III) and differ from those in tables 801 and 804 based on population estimates and official vote counts. Differences in percentages may also be due to overreporting of voting (reluctance of some persons in the sample who actually did not vote to so report)]

YEAR AND CHARACTERISTIC	Persons of voting age (mil.)	PERSONS REPORTING THEY REGISTERED		PERSONS REPORTING THEY VOTED		PERSONS REPORTING THEY DID NOT VOTE				REASONS FOR NOT REGISTERING	
		Total (mil.)	Per-cent	Total (mil.)	Per-cent	Total ¹ (mil.)	Registered (mil.)	Not registered ¹		Per-cent unable to register	Per-cent not a citizen
								Number (mil.)	Per-cent		
1964.....	110.6	(NA)	(NA)	76.7	69.3	33.9	(NA)	(NA)	(NA)	(NA)	(NA)
1966.....	112.8	79.3	70.3	62.5	55.4	50.3	18.8	33.1	29.3	(NA)	2.0
1968.....	116.5	86.6	74.3	79.0	67.8	37.6	7.6	30.0	25.7	(NA)	2.3
1970.....	120.7	82.2	68.1	65.9	54.6	54.8	16.3	38.5	31.9	(NA)	2.5
1972.....	136.2	98.5	72.3	85.8	63.0	50.4	12.7	37.7	27.7	(NA)	2.6
1974.....	141.3	87.9	62.2	63.2	44.7	78.1	24.7	53.4	37.8	11.4	2.8
1976.....	146.5	97.8	66.7	86.7	59.2	59.9	11.1	46.8	33.3	5.7	3.0
1978.....	151.6	94.9	62.6	89.6	45.9	82.1	25.3	56.8	37.4	8.0	3.5
1980, total ²	157.1	106.0	69.9	93.1	59.2	64.0	12.0	52.1	33.1	8.2	4.0
Male.....	74.1	49.3	66.6	43.8	59.1	30.3	5.6	24.7	33.4	6.0	4.0
Female.....	83.0	55.7	67.1	49.3	59.4	33.7	6.4	27.3	32.9	6.4	4.1
White.....	137.7	94.1	68.4	83.9	60.9	53.8	10.3	43.6	31.6	6.0	3.5
Black.....	16.4	9.8	60.0	8.3	50.5	8.1	1.6	6.6	40.0	7.8	2.9
Spanish origin ³	8.2	3.0	36.3	2.5	29.9	5.8	.5	5.3	63.7	6.5	32.2
18-20 yr. old.....	12.3	5.5	44.7	4.4	35.7	7.9	1.1	6.8	55.3	9.6	5.1
21-24 yr. old.....	15.9	8.4	52.7	6.8	43.1	9.0	1.5	7.5	47.3		4.8
25-34 yr. old.....	35.7	22.2	62.0	19.5	54.6	16.2	2.7	13.6	38.0		5.1
35-44 yr. old.....	25.6	18.0	70.6	16.5	64.4	9.1	1.6	7.5	29.4		4.8
45-64 yr. old.....	43.6	33.0	75.8	30.2	69.3	13.4	2.8	10.5	24.2		3.1
65 yr. and over.....	24.1	18.0	74.6	15.7	65.1	8.4	2.3	6.1	25.4	6.7	2.4
Median age ⁴ (yr.).....	40.7	44.2	(x)	44.6	(x)	34.3	39.5	33.6	(x)	(x)	(x)
North and West ⁵	106.5	72.3	67.9	65.0	61.0	41.6	7.3	34.2	32.1	(NA)	4.5
South ⁵	50.6	32.7	84.8	28.1	55.6	22.5	4.6	17.8	35.2	(NA)	3.0
Metropolitan ⁶	106.7	70.1	65.8	62.7	58.8	43.9	7.4	36.5	34.2	(NA)	5.3
In central cities.....	44.0	27.9	63.5	24.8	56.3	19.2	3.2	16.1	36.5	(NA)	7.0
Outside central cities.....	62.6	42.2	67.3	37.9	60.6	24.7	4.2	20.4	32.7	(NA)	4.1
Nonmetropolitan.....	50.5	34.9	69.2	30.4	60.2	20.1	4.6	15.5	30.8	(NA)	1.4
School years completed:											
8 yr. or less.....	22.7	12.0	53.0	9.6	42.6	13.0	2.4	10.7	47.0	(NA)	10.3
High school:											
1-3 yrs.....	22.5	12.3	54.6	10.2	45.6	12.2	2.0	10.2	45.4	(NA)	3.4
4 yrs.....	61.2	40.6	66.4	36.0	58.9	25.2	4.6	20.6	33.6	(NA)	2.6
College:											
1-3 yrs.....	26.7	19.9	74.4	18.0	67.2	8.8	1.9	6.8	25.6	(NA)	3.0
4 yrs. or more.....	24.0	20.3	84.3	19.2	79.9	4.8	1.0	3.8	15.7	(NA)	3.4
Civilian labor force ⁷	101.9	68.7	67.4	61.6	60.4	40.3	7.1	33.2	32.6	5.7	4.0
Employed.....	95.0	65.3	88.7	58.8	61.8	36.3	6.5	29.8	31.3	5.4	3.9
Agriculture.....	3.0	2.1	68.1	1.8	60.0	1.2	.2	1.0	31.8	4.1	6.3
Nonagriculture industries.....	92.0	63.2	68.7	57.0	61.9	35.1	6.2	28.8	31.3	5.5	3.9
Private wage and salary workers.....	69.2	45.0	65.1	40.1	57.9	29.1	5.0	24.1	34.9	6.0	4.5
Government workers.....	15.8	13.0	82.0	12.2	77.0	3.6	.8	2.8	18.0	3.7	1.4
Self-employed ⁷	7.1	5.2	73.7	4.7	67.0	2.3	.5	1.9	26.3	4.3	3.4
Unemployed.....	6.9	3.5	50.3	2.8	41.2	4.1	.6	3.4	49.7	9.0	4.7
White-collar workers ⁸	52.8	40.4	76.5	37.4	70.9	15.4	3.0	12.4	23.5	4.8	2.5
Professional, technical.....	16.5	13.6	82.4	12.8	77.7	3.7	.8	2.9	17.6	3.9	2.7
Managers and administrators ⁹	11.4	8.9	77.9	8.2	71.8	3.2	.7	2.5	22.1	4.4	2.6
Clerical and kindred workers.....	18.7	13.4	71.3	12.2	65.0	6.6	1.2	5.4	28.7	5.8	2.4
Blue-collar workers ²	33.4	18.9	56.6	16.0	48.0	17.4	2.9	14.5	43.4	6.6	5.2
Craft and kindred workers.....	13.3	8.2	61.8	7.2	53.8	6.1	1.1	5.1	38.2	6.2	3.6
Operatives, except transport.....	11.7	6.1	52.5	5.2	44.3	6.5	1.0	5.6	47.5	6.5	7.8
Service workers.....	12.7	7.5	59.4	6.5	51.3	6.2	1.0	5.2	40.6	6.9	5.9
Farm workers.....	2.6	1.8	68.0	1.5	59.9	1.0	.2	.8	32.0	3.8	7.0
Not in labor force.....	55.2	36.3	66.8	31.4	57.0	23.7	4.9	18.8	34.2	7.2	4.1
Owner occupied ⁹	44.2	34.4	77.8	31.4	71.1	12.8	3.0	9.8	22.2	(NA)	1.9
Renter occupied ⁹	14.9	7.5	50.8	6.3	42.1	8.6	1.3	7.3	49.2	(NA)	2.1

NA Not available. X Not applicable. ¹ Includes do not know and not reported. ² Includes characteristics not shown separately. ³ Persons of Spanish origin may be of any race. ⁴ For definition of median, see Guide to Tabular Presentation. ⁵ See fig. 1, inside front cover. ⁶ Standard metropolitan statistical areas as defined in 1970 census publications. ⁷ Includes unpaid family workers. ⁸ Excludes persons on farms. ⁹ Covers family households only; see text, p. 4.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 370, and earlier reports.

No. 807. PRESIDENTIAL CAMPAIGN FINANCES—PRIMARY AND GENERAL ELECTION RECEIPTS AND EXPENDITURES, BY POLITICAL PARTY: 1975-1976

[In millions of dollars. Covers Jan. 1, 1975-Dec. 31, 1976. Based on disclosure documents submitted by candidates, their principal campaign committees, and other authorized committees. Figures adjusted to eliminate refunds and rebates, refunded contributions, loan repayments, and transfers to or from affiliated committees]

RECEIPTS AND EXPENDITURES	PRESIDENTIAL CAMPAIGN				PRIMARY CAMPAIGN			GENERAL ELECTION CAMPAIGN			
	Total	Democ- ratic	Republi- can	Other ¹	Total	Democ- ratic	Republi- can	Total	Democ- ratic	Republi- can	Other ¹
Receipts, total.....	114.0	61.7	50.2	2.0	67.9	36.6	28.3	46.1	22.1	22.0	2.0
Private funds ²	46.1	25.4	18.7	2.0	43.8	25.1	18.5	2.5	.3	.2	2.0
U.S. Treasury funds ³	67.9	36.3	31.6	-	24.3	14.5	9.7	43.6	21.8	21.8	-
Expenditures, total.....	112.8	62.5	48.0	2.0	66.9	40.7	26.2	45.9	22.2	21.8	2.0

- Represents zero. ¹Covers candidates who were on the ballot in 10 or more States. Included under general election since a majority of their financial activity was directed toward that area. ²Covers contributions, outstanding loans, interest, and miscellaneous income. ³Represents matching funds given to qualified candidates in the primary campaign and grant funds to the Democratic and Republican party candidates in the general election.

Source: U.S. Federal Election Commission, FEC Disclosure, No. 7: 1976 Presidential Campaign Receipts and Expenditures, 1977.

No. 808. PRESIDENTIAL CAMPAIGN FINANCES—PRIMARY CAMPAIGN RECEIPTS AND DISBURSEMENTS AND FEDERAL FUNDS FOR GENERAL ELECTION: 1979-1980

[In millions of dollars. Covers Jan. 1, 1975-Dec. 31, 1980. See headnote, table 807]

RECEIPTS AND DISBURSEMENTS	PRIMARY CAMPAIGN ¹				CANDIDATE	General election— net Federal funds distributed
	Total		Demo- cratic	Repub- lican		
	Amount	Per- cent				
Receipts, total ²	94.2	100.0	35.6	58.5	Total.....	62.8
Individual contributions	61.0	64.8	23.9	37.1	Anderson ³	4.2
Federal matching funds.....	30.9	32.8	10.3	20.5	Carter	29.4
Disbursements	92.3	100.0	35.6	56.7	Reagan.....	29.2

¹Covers 10 candidates who received Federal matching funds (Democrats: Edmund Brown, James Carter, Edward Kennedy and Lyndon LaRouche; Republicans: John Anderson, Howard Baker, George Bush, Phillip Crane, Robert Dole, and Ronald Reagan).

²Includes other types of receipts, not shown separately. ³John Anderson, as the candidate of a new party, was permitted to raise funds privately. Total receipts for the Anderson campaign, including Federal funds, were 17.1 million dollars and total expenditures were 15.0 million dollars.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity 1979-1980, Final Report, Presidential Pre-Nomination Campaigns*, October 1981, and March 1982 press release on public financing 1980 Presidential election.

No. 800. INDEPENDENT EXPENDITURES FOR PRESIDENTIAL AND CONGRESSIONAL CAMPAIGNS: 1979-1980

[In thousands of dollars. Covers Jan. 1, 1975-Dec. 31, 1980. An "independent expenditure" is money spent to support or defeat a clearly identified candidate. According to Federal election law, such an expenditure must be made without cooperation or consultation with the candidate or his/her campaign. Independent expenditures are not limited as are contributions]

TYPE OF OFFICE	ALL PARTIES			DEMOCRATS		REPUBLICANS		OTHERS	
	Total	For	Against	For	Against	For	Against	For	Against
Total	19,624	13,866	2,158	434	2,030	13,158	117	273	11
President.....	13,745	12,933	813	123	737	12,538	65	272	11
Congress.....	2,279	934	1,345	311	1,293	622	52	1	-
Senate	1,642	353	1,288	125	1,279	228	9	-	-
House of Representatives	637	580	57	166	14	394	43	1	-

- Represents zero.

Source: U.S. Federal Election Commission, *1979-80 FEC Index of Independent Expenditures*, 1981 and *FEC Reports On Financial Activity, 1979-1980 Final Report on U.S. Senate and House Campaigns*, 1982.

No. 810. CONGRESSIONAL CAMPAIGN FINANCES—ADJUSTED RECEIPTS AND DISBURSEMENTS:
1977 TO 1980

[Covers all campaign finance activity during 2 year calendar period indicated for primary, general, run-off, and special elections. For 1977-1978, relates to 1,855 House of Representatives candidates and to 254 Senate candidates; and for 1979-1980 to 1,944 House of Representatives candidates and to 344 Senate candidates. Receipts and disbursements have been adjusted to eliminate transfers between all committees within a campaign]

ITEM	HOUSE				SENATE			
	1977-1978		1979-1980		1977-1978		1979-1980	
	Amount (mil. dol.)	Percent distribu- tion	Amount (mil. dol.)	Percent distribu- tion	Amount (mil. dol.)	Percent distribu- tion	Amount (mil. dol.)	Percent distribu- tion
Total receipts ¹	113.9	100.0	144.0	100.0	85.5	100.0	104.8	100.0
Contributions:								
\$101-\$499	11.1	9.7	(NA)	(NA)	8.5	9.9	(NA)	(NA)
\$500 and over	14.6	12.8	21.9	15.2	18.3	21.4	25.6	24.4
Party committee	5.0	4.4	4.8	3.3	1.2	1.4	1.2	1.1
Non-party committee	24.4	21.4	37.9	26.3	9.7	13.2	17.3	16.5
Democrats.....	63.7	55.9	71.9	49.9	42.6	49.8	54.6	52.1
Republicans.....	49.4	43.4	71.0	49.3	42.4	49.6	49.7	47.4
Others.....	.8	.7	1.2	.8	.5	.6	.4	.4
Incumbents.....	46.6	40.9	72.5	50.3	30.0	35.1	38.5	36.7
Challengers.....	32.1	28.2	44.4	30.8	30.1	35.2	47.8	45.6
Open seats ²	35.2	30.9	27.1	18.8	25.4	29.7	18.5	17.7
Total disbursements.....	109.6	100.0	136.0	100.0	85.2	100.0	102.9	100.0
Democrats.....	61.3	55.9	67.8	49.9	42.1	49.4	53.6	52.1
Republicans.....	47.5	43.3	67.1	49.3	42.6	50.0	48.9	47.5
Others.....	.8	.7	1.1	.8	.5	.6	.4	.4
Incumbents.....	43.1	39.3	65.7	48.3	30.2	35.4	37.8	36.7
Challengers.....	31.8	29.0	43.8	32.2	30.1	35.3	47.2	45.9
Open seats ²	34.7	31.7	26.5	19.5	24.9	29.2	17.9	17.4

NA Not available. ¹ Includes other types of receipts, not shown separately. ² Elections in which an incumbent did not seek re-election.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1977-1978, Interim Report No. 5, U.S. Senate and House Campaigns*, June 1979 and *FEC Reports on Financial Activity, 1979-1980, Final Report, U.S. Senate and House Campaigns*, March 1982.

No. 811. CONTRIBUTIONS TO CONGRESSIONAL CAMPAIGNS BY POLITICAL ACTION COMMITTEES (PAC)
BY TYPE OF COMMITTEE: 1977 TO 1980

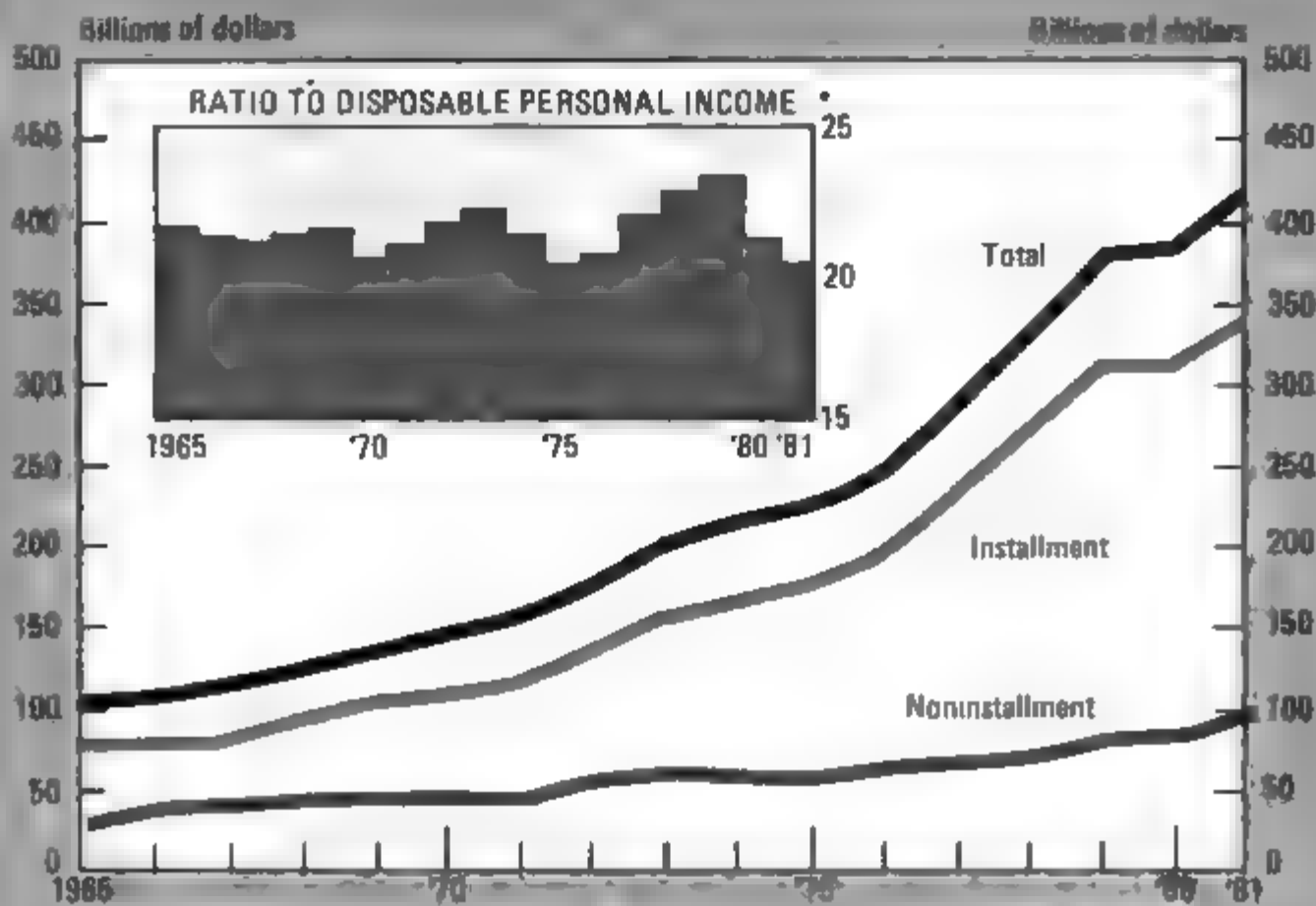
[In millions of dollars. Covers amounts given to candidates in primary, general, run-off, and special elections during the two year calendar period indicated]

ITEM	1977-1978					1979-1980				
	Total ¹	Cor- porate	Trade assoc. ²	Labor	Non- con- nected ³	Total ¹	Cor- porate	Trade assoc. ²	Labor	Non- con- nected ³
HOUSE OF REPRESENTATIVES										
Total contributions.....	24.4	6.0	9.6	7.2	1.8	37.9	12.2	11.7	9.4	3.1
Democrats.....	14.4	2.6	3.9	7.0	.4	20.5	4.7	5.1	8.9	.9
Republicans.....	10.0	3.4	4.7	.2	1.4	17.2	7.5	6.6	.4	2.1
Incumbents.....	14.7	3.8	5.2	4.6	.5	24.9	8.1	8.0	6.6	1.0
Challengers.....	4.6	1.1	1.5	1.2	.8	7.9	2.6	2.2	1.6	1.4
Open seats ⁴	5.1	1.1	1.9	1.4	.5	5.1	1.5	1.5	1.2	.7
SENATE										
Total contributions.....	9.7	3.5	2.6	2.7	.7	17.3	6.9	4.1	3.8	1.9
Democrats.....	4.5	.9	.9	2.4	.2	8.3	2.1	1.9	3.4	.5
Republicans.....	5.2	2.6	1.7	.3	.5	9.0	4.8	2.2	.4	1.4
Incumbents.....	4.5	1.8	1.3	1.2	.2	8.6	2.7	2.2	2.7	.5
Challengers.....	3.0	.9	.7	.9	.3	6.6	3.3	1.4	.7	1.1
Open seats ⁴	2.2	.8	.6	.6	.2	2.1	.9	.5	.4	.3

¹ Includes other types of political action committees not shown separately.
² Includes membership organizations and health organizations.
³ Represents "ideological" groups as well as other issue groups not necessarily ideological in nature.
⁴ Elections in which an incumbent did not seek re-election.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1977-1978, Interim Report No. 5, U.S. Senate and House Campaigns*, June 1979 and *FEC Reports on Financial Activity, 1979-1980, Final Report, U.S. Senate and House Campaigns*, March 1982.

Figure 17.1
Consumer Credit: 1965 to 1981



*Percent.
Source: Chart prepared by U.S. Bureau of the Census. For data, see table B44.

Figure 17.2
Money Market Rates: 1965 to 1981

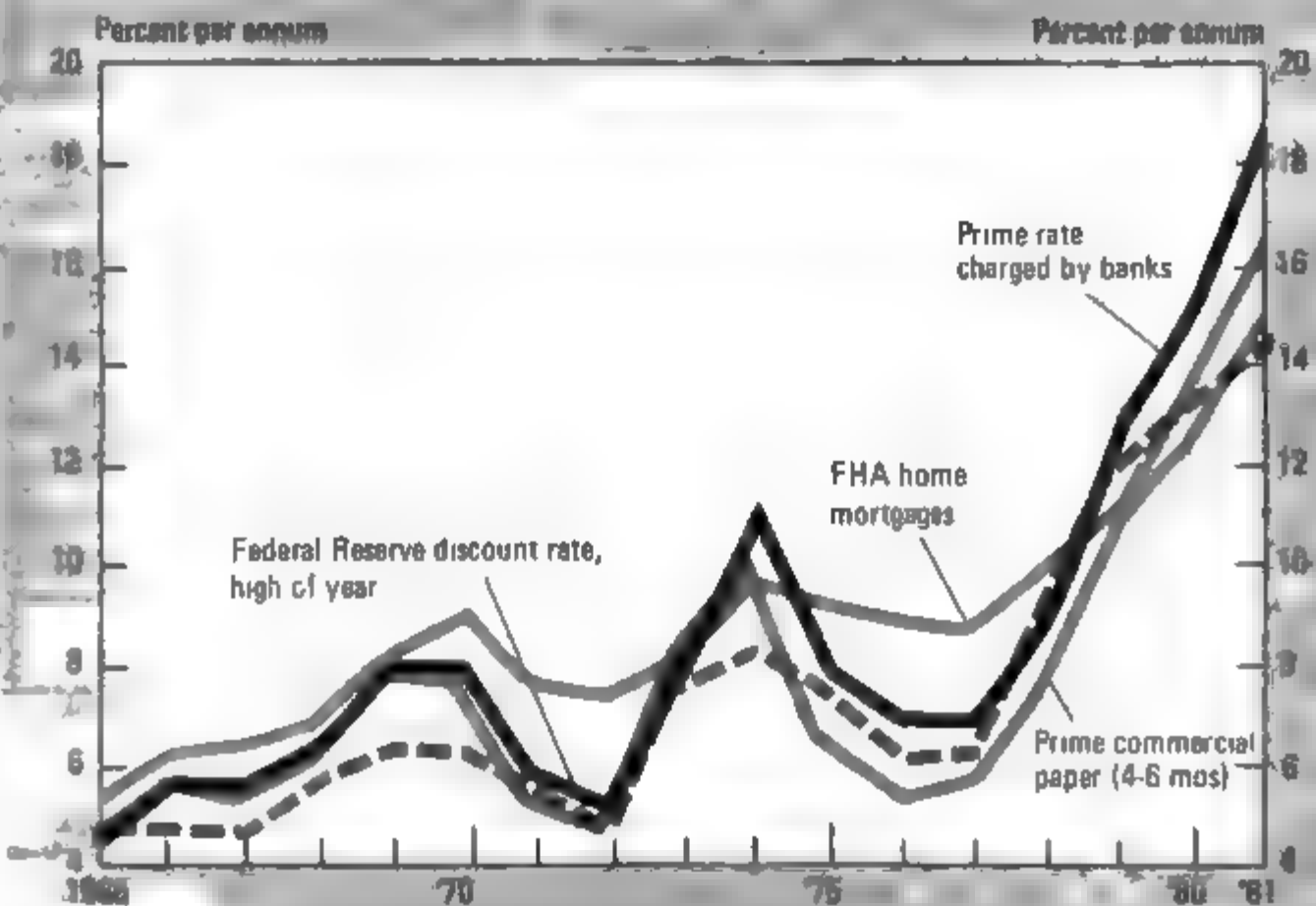
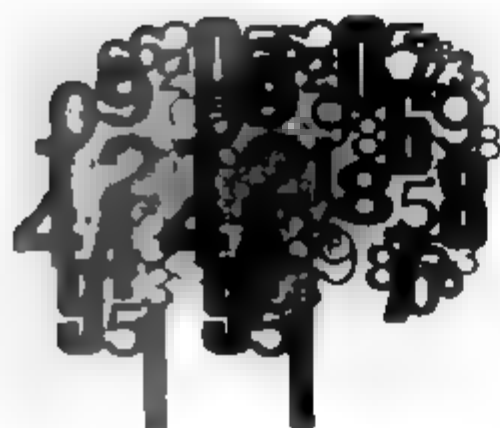


Chart prepared by U.S. Bureau of the Census. For data, see tables B52 and B55



Section 17

Banking, Finance, and Insurance

This section presents data on the Nation's finances, various types of financial institutions, money and credit, securities, and insurance. The primary sources of these data are publications of several departments of the Federal Government, especially the Treasury Department, and independent agencies such as the Federal Deposit Insurance Corporation, the Federal Reserve System, and the Securities and Exchange Commission. National data on insurance are available primarily from private organizations, such as the American Council of Life Insurance.

Flow of funds.—The flow of funds accounts of the Federal Reserve System (see tables 812 to 817) bring together statistics on all of the major forms of financial transactions and financial claims to present an economy-wide view of asset and liability relationships. In flow form, the accounts relate borrowing and lending to one another and to the nonfinancial activities that generate income and production. Each claim outstanding is included simultaneously as an asset of the lender and as a liability of the debtor. The accounts also indicate the balance between asset totals and liability totals over the economy as a whole. Several publications of the Board of Governors of the Federal Reserve System contain information on the flow of funds accounts: Summary data on flows, in the *Federal Reserve Bulletin*, *Flow of Funds Accounts* (quarterly), *Flow of Funds Accounts, Assets and Liabilities Outstanding, 1957-1980*, and *Annual Statistical Digest*; and concepts and organization of the accounts, in *Introduction to Flow of Funds* (June 1980).

Banking system.—Banks in this country are organized under the laws of both the States and the Federal Government and are regulated by several bank supervisory agencies. State-chartered banks are supervised by officials of the respective States. National banks are supervised by the Comptroller of the Currency. *Reports of Condition* have been collected from national banks since 1863. Summaries of these reports are published in the Comptroller's *Annual Report*, which also presents data on the structure of the national banking system.

The Federal Reserve System was established in 1913 to exercise central banking functions, some of which are shared with the U.S. Treasury. It includes national banks and such State banks as voluntarily join the System. Statements of State bank members are consolidated by the Board of Governors of the Federal Reserve System with data for national banks collected by the Comptroller of the Currency into totals for all member banks of the System. Balance sheet data for member banks and other commercial banks are published in condensed form in the *Federal Reserve Bulletin*.

The Federal Deposit Insurance Corporation (FDIC), established in 1933, insures each depositor up to \$100,000 currently in banks that are members of the Federal Reserve System and in such nonmember banks as join the insurance fund. A balance sheet for all banks in the country is published in the FDIC's *Annual Report*. Major item balance sheets for all commercial banks are published monthly in the *Federal Reserve Bulletin*.

Savings and loan and other credit agencies.—Savings and loan associations, insurance companies, finance companies dealing primarily in installment sales financing, credit unions, and personal loan companies represent important sources of funds for the credit market. Savings and loan associations are primarily involved in credit extension in the form of mortgage loans. Statistics on savings and loan associations are collected by the Federal Home Loan Bank Board. Statistics on loans, investments, cash, etc., of life insurance companies are published principally by the American Council of Life Insurance in its *Life Insurance Fact Book*. Consumer credit data are published currently in the *Federal Reserve Bulletin*.

Federally chartered credit unions are under the supervision of the National Credit Union Administration, established in 1970. State-chartered credit unions are supervised by the respective State supervisory authorities. The Administration publishes comprehensive program and statistical information on all Federal and federally insured State credit unions in the *Annual Report of the National Credit Union Administration* and also publishes an *Annual Report* on the operations of all State-chartered credit unions. Deposit insurance (up to \$100,000 per account) is provided to members of all Federal and those States credit unions that are federally-insured by the National Credit Union Share Insurance Fund which was established in 1970. Deposit insurance for State chartered credit unions is also available in some States under private or State-administered insurance programs.

Government corporations and credit agencies make available credit of specified types or to specified groups of private borrowers, either by lending directly or by insuring or guaranteeing loans made by private lending institutions. Data on operations of Government credit agencies, along with other Government corporations, are available in reports of individual agencies; data on their assets and liabilities are published in the *Treasury Bulletin*.

Currency.—Currency, including coin and paper money, represents more than one-fourth of all media of exchange in the United States, with most payments made by check. All currency is now issued by the Federal Reserve Banks.

"Currency and coin in circulation" (official *Statement of United States Currency and Coin*) refers to all coin and paper money issued by the Federal Reserve Banks, except gold and silver coin known to have been exported and, beginning with 1934, all gold coin. It includes all coin and paper money held by the public in the United States. It also includes cash in vaults of commercial and savings banks, currency irretrievably lost or destroyed by natural causes, and currency carried abroad by travelers.

Securities.—The Securities and Exchange Commission (SEC) was established in 1934 to protect the interests of the public and investors against malpractices in the securities and financial markets and to provide the fullest possible disclosure of information regarding securities to the investing public. Since its inception, the SEC has compiled a comprehensive monthly data series on new corporate securities offerings that covers substantially all new issues offered for cash sale in the United States in amounts over \$100,000 and with terms to maturity of more than one year. This series is published monthly in the *SEC Monthly Statistical Review*.

Insurance.—Insuring companies, which are regulated by the various States or the District of Columbia, are classified as either life or property. Companies that underwrite accident and health insurance only and those that underwrite accident and health insurance in addition to one or more property lines are included with property insurance. Insuring companies, other than those classified as life, are permitted to underwrite one or more property lines provided they are so licensed and have the necessary capital or surplus.

There are a number of published sources for statistics on the various classes of insurance—life, health, fire, marine, and casualty. Individual States collect data on all insurers operating within their respective jurisdictions, and many of the States publish an annual insurance report giving individual company data and aggregates of certain items for the companies operating within the State. Organizations representing certain classes of insurers publish reports for these classes. Among them are the annual commercial publishers, such as The National Underwriter Company whose *Argus Chart* (annual) contains financial and operating data for individual health and accident insurance companies, including Blue Cross and Blue Shield Plans. The American Council of Life Insurance publishes statistics on life insurance purchases, ownership, benefit payments, and assets in its annual *Life Insurance Fact Book*.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 812. FLOW OF FUNDS ACCOUNTS—FINANCIAL ASSETS AND LIABILITIES OF FINANCIAL AND NONFINANCIAL INSTITUTIONS, BY SECTOR AND TYPE OF INSTRUMENT: 1981

(In billions of dollars. As of Dec. 31. Preliminary. A=Assets; L=Liabilities; SDR=Special drawing rights; IMF=International Monetary Fund. RPs=Repurchase Agreements. "N.e.c."=Not elsewhere classified)

TYPE OF INSTRUMENT	TOTAL		PRIVATE DOMESTIC NONFINANCIAL INSTITUTIONS									
	A	L	Total		Households		Business		State and local govt.			
			A	L	A	L	A	L	A	L		
Financial assets	11,454.4	(x)	5,541.8	(x)	4,988.7	(x)	1,114.8	(x)	238.8	(x)		
Liabilities	(x)	5,975.9	(x)	4,004.7	(x)	1,995.9	(x)	2,843.0	(x)	382.8		
Gold stock and SDR's	78.0	-	-	-	-	-	-	-	-	-		
IMF position	5.1	5.1	-	-	-	-	-	-	-	-		
Official foreign exchange	9.8	9.8	-	-	-	-	-	-	-	-		
Treasury currency	17.8	14.8	-	-	-	-	-	-	-	-		
Checkable deposits and currency	480.7	485.4	388.6	-	290.3	-	92.0	-	6.2	-		
Time and savings accounts	1,570.4	1,570.4	1,472.9	-	1,365.3	-	42.8	-	64.9	-		
Fed. funds and security RP's	83.2	134.5	39.9	-	-	-	22.9	-	16.9	-		
Money market fund shares	181.9	181.9	181.9	-	181.9	-	-	-	-	-		
Foreign deposits	32.1	32.1	13.3	-	-	-	13.3	-	-	-		
Life insurance reserves	232.6	232.6	232.6	-	232.6	-	-	-	-	-		
Pension fund reserves	788.7	788.7	788.7	-	-	-	-	-	-	-		
Interbank claims	27.3	11.2	-	-	-	-	-	-	-	-		
Corporate equities ¹	1,495.4	64.0	1,084.2	-	1,084.2	-	-	-	-	-		
Credit market instruments ²	5,117.7	5,117.7	558.0	3,438.5	546.5	1,545.7	101.8	1,549.6	139.9	343.2		
U.S. Treasury securities ³	825.6	825.6	297.1	-	230.2	-	6.2	-	60.7	-		
Federal agency securities ⁴	322.4	322.4	118.4	-	-	-	1.8	-	31.5	-		
State and local securities	381.9	381.9	99.7	361.9	89.1	-	3.5	27.5	7.1	334.4		
Corporate and foreign bonds	528.7	528.7	76.5	390.1	76.5	-	-	390.1	-	-		
Mortgages	1,544.8	1,544.8	170.8	1,536.0	130.2	1,039.0	-	497.1	40.6	-		
Consumer credit	413.5	413.5	53.6	413.5	-	413.5	83.8	-	-	-		
Bank loans, n.e.c.	507.7	507.7	-	416.2	-	27.8	-	388.8	-	-		
Open-market paper	230.3	230.3	73.8	60.9	37.2	-	35.6	60.9	-	-		
Security credit	59.6	59.6	18.2	21.6	16.2	21.6	-	-	-	-		
Trade credit ⁵	547.3	466.1	494.2	436.5	-	18.4	484.2	396.5	-	19.6		
Taxes payable	11.1	19.1	11.9	9.7	-	-	-	9.7	11.9	-		
Miscellaneous claims	736.7	770.8	428.6	98.4	81.0	14.2	347.6	84.1	-	-		
	U.S.		FINANCIAL INSTITUTIONS								REST OF THE WORLD	
	GOVERNMENT		Total ⁶		Monetary authority		Commercial banks		Nonbank finance			
	A	L	A	L	A	L	A	L	A	L	A	L
Financial assets	347.2	(x)	4,702.8	(x)	182.6	(x)	1,517.8	(x)	2,847.0	(x)	463.4	(x)
Liabilities	(x)	867.9	(x)	4,486.7	(x)	182.0	(x)	1,430.9	(x)	2,521.6	(x)	528.8
Gold stock and SDR's	4.1	-	11.2	-	11.2	-	-	-	-	-	80.7	-
IMF position	5.1	-	(2)	-	(2)	-	-	-	-	-	-	5.1
Official foreign exchange	4.6	-	5.1	-	5.1	-	-	-	-	-	-	9.8
Treasury currency	-	14.8	17.8	-	17.8	-	-	-	-	-	-	-
Checkable deposits and currency	17.4	-	35.1	485.4	-	132.4	3.9	348.0	30.6	16.1	19.7	-
Time and savings accounts	7	-	70.1	1,570.4	-	-	-	832.1	70.1	738.3	26.8	-
Fed. funds and security RP's	-	-	43.4	134.5	-	-	-	123.2	34.0	11.3	-	-
Money market fund shares	-	-	-	181.9	-	-	-	-	-	181.9	-	-
Foreign deposits	-	-	16.8	-	-	-	-	-	16.8	-	-	32.1
Life insurance reserves	-	9.4	-	223.2	-	-	-	-	-	223.2	-	-
Pension fund reserves	-	66.2	-	702.5	-	-	-	-	-	702.5	-	-
Interbank claims	-	-	47.2	11.2	3.4	43.9	43.9	32.6	-	-	20.0	-
Corporate equities ¹	-	-	348.0	64.0	-	-	1	-	64.0	64.0	-	-
Credit market instruments ²	-	830.1	3,843.2	814.9	140.5	-	1,343.4	57.4	2,018.4	239.3	199.0	234.2
U.S. Treasury securities ³	-	825.6	387.1	-	131.0	-	113.1	-	141.1	-	141.4	-
Federal agency securities ⁴	-	4.1	205.9	315.3	9.4	-	70.7	-	124.9	-	-	-
State and local securities	-	-	262.2	-	-	-	154.2	-	108.1	-	-	-
Corporate and foreign bonds	-	-	430.2	85.3	-	-	7.6	8.2	422.5	60.9	22.0	53.4
Mortgages	47.0	4	1,326.9	8.3	-	-	288.8	-	798.9	8.3	-	-
Consumer credit	-	-	360.0	-	-	-	165.6	-	174.3	-	-	-
Bank loans, n.e.c.	-	-	507.7	30.3	-	-	507.7	-	-	30.3	-	81.2
Open-market paper	-	-	121.0	107.6	2	-	17.7	33.0	102.4	74.6	35.5	81.9
Security credit	-	-	43.4	38.0	-	-	28.2	-	17.2	38.0	-	-
Trade credit ⁵	17.7	17.3	17.4	-	-	-	-	-	17.4	-	16.0	14.3
Taxes payable	-	-	-	9.4	-	-	-	1.8	-	7.5	-	-
Miscellaneous claims	10.8	(2)	202.2	439.3	4.1	5.8	100.4	101.2	92.8	299.3	95.1	233.1

- Represents zero. X Not applicable. Z Less than \$50 million. ¹Assets shown at market value; nonbank finance liability is redemption value of shares of open-end investment companies. No specific liability attributed to issuers of stocks other than open-end investment companies for amounts outstanding. ²Includes "Other loans," not shown separately. ³Includes savings bonds and other nonmarketable debt held by public. ⁴Issues by agencies in the budget and by sponsored credit agencies in financial sectors, issues backed by mortgage pools, and loan participation certificates. ⁵Asset is corporate only; noncorporate credit deducted in liability total to conform to quarterly flow tables. ⁶Includes federally sponsored credit agencies and mortgage pools, not shown separately.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

No. 813. FLOW OF FUNDS ACCOUNTS—FINANCIAL ASSETS OF FINANCIAL AND NONFINANCIAL INSTITUTIONS, BY HOLDER SECTOR: 1960 TO 1981

[In billions of dollars. As of Dec. 31. See also *Historical Statistics, Colonial Times to 1970*, series X 192, X 229, X 821, and X 835]

SECTOR	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
All sectors.....	1,997.8	2,978.9	5,149.2	5,388.9	5,010.2	5,751.3	7,350.3	8,265.1	9,385.2	10,662.3	11,454.4
Households.....	973.2	1,466.4	2,388.4	2,203.8	2,559.2	2,901.0	3,070.1	3,369.6	3,834.1	4,493.6	4,686.7
Nonfinancial business	210.9	292.2	499.2	566.0	610.0	688.8	725.7	824.5	951.2	1,040.2	1,114.5
Farm.....	7.8	8.5	12.4	13.9	14.8	16.3	18.1	20.2	22.2	24.5	26.8
Nonfarm noncorporate	21.6	25.0	31.3	35.4	37.5	40.9	44.4	48.8	53.6	57.3	63.2
Nonfinancial corporations	181.7	258.8	455.5	516.7	557.8	611.5	663.2	755.5	875.3	958.3	1,024.5
U.S. Government	54.4	70.9	93.8	104.0	120.2	141.6	150.5	175.6	198.3	225.3	247.2
U.S. Government-sponsored credit agencies and mortgage pools	11.7	19.6	65.5	109.3	121.5	138.4	181.9	203.9	259.5	306.5	356.0
State and local government	33.1	50.1	95.3	120.2	122.6	133.6	156.5	176.7	196.0	216.0	239.8
Monetary authorities	52.6	63.5	97.6	113.4	124.6	134.5	143.0	156.2	166.7	173.8	182.0
Commercial banking	228.3	340.7	640.7	799.9	834.3	905.5	1,002.9	1,146.8	1,274.5	1,386.3	1,517.8
Nonbank finance.....	370.0	588.4	1,077.2	1,128.3	1,283.1	1,465.3	1,640.0	1,853.8	2,068.0	2,381.4	2,647.0
Savings and loan association.....	71.5	129.6	243.1	295.5	338.2	391.9	459.2	523.6	579.3	629.8	663.6
Life insurance	115.8	154.2	232.4	255.0	279.7	311.1	339.8	378.3	420.4	460.8	506.6
Other insurance.....	26.2	36.5	67.5	67.8	77.3	93.9	113.2	133.9	154.9	160.1	194.5
Private pension funds	36.1	73.6	156.1	115.5	148.6	171.9	178.3	198.3	222.0	266.8	293.2
Government retirement funds ¹	19.7	34.1	60.6	88.0	104.8	120.4	132.5	153.9	169.7	198.1	221.3
Finance companies.....	27.6	44.7	79.2	96.0	99.1	111.2	133.8	157.5	184.5	198.6	225.4
Mutual savings banks.....	41.0	59.1	101.5	109.1	121.1	134.8	147.3	158.2	163.3	171.5	175.2
Credit unions.....	6.3	11.0	24.6	31.1	36.9	43.3	51.6	58.4	61.9	69.2	73.3
Investment companies	17.0	35.2	58.9	35.2	43.0	46.5	45.5	48.1	51.8	63.7	64.0
Money market funds.....	-	-	-	2.4	3.7	3.7	3.9	10.8	45.2	74.4	181.9
Security brokers and dealers	6.7	10.3	21.9	15.2	18.5	26.8	27.7	28.0	28.2	33.5	41.8
Real estate investment trusts	-	-	11.4	17.5	14.0	9.8	7.2	6.8	6.7	5.8	5.9
Rest of the world.....	63.3	87.1	191.4	222.0	234.7	262.8	299.7	358.0	396.9	439.2	463.4

- Represents zero. ¹ State and local government.

No. 814. FLOW OF FUNDS ACCOUNTS—ASSETS AND LIABILITIES OF HOUSEHOLDS, BY TYPE OF INSTRUMENT: 1960 TO 1981

[As of December 31. See also *Historical Statistics, Colonial Times to 1970*, series X 114-147]

TYPE OF INSTRUMENT	TOTAL (bil. dol.)							PERCENT DISTRIBUTION		
	1960	1965	1970	1975	1979	1980	1981	1960	1970	1981
Total financial assets.....	973.2	1,466.4	2,388.4	2,559.2	3,834.1	4,493.6	4,686.7	100.0	100.0	100.0
Deposit and market instrument ¹	367.3	550.6	972.9	1,321.4	2,037.9	2,241.3	2,483.9	39.8	40.7	53.0
Checkable deposits and currency.....	73.3	88.7	142.6	170.7	252.6	268.0	290.3	7.5	8.0	6.2
Small time and savings accounts	163.3	284.3	541.9	710.6	1,049.2	1,130.5	1,172.0	16.8	22.7	25.0
Money market fund shares	-	-	-	3.7	45.2	74.4	181.9	-	-	3.9
Large time deposits.....	.7	4.1	26.3	60.4	113.9	163.9	193.2	.1	1.1	4.1
Credit market instruments.....	150.0	173.5	262.0	376.1	576.9	604.5	646.5	15.4	11.0	13.8
U.S. Government securities	73.8	79.7	93.9	152.1	262.3	282.8	313.4	7.6	3.9	6.7
Treasury issues.....	71.5	76.0	79.6	132.4	204.5	215.3	230.2	7.3	3.3	4.9
Savings bonds.....	45.6	49.7	57.7	67.4	79.9	72.5	68.2	4.7	2.4	1.5
Other Treasury	25.9	26.3	21.9	65.0	124.6	142.8	162.0	2.7	.9	3.5
Agency issues	2.3	3.7	14.3	19.7	57.8	67.5	83.2	.2	.6	1.8
State and local obligations.....	30.8	36.4	48.4	68.1	71.5	74.2	89.1	3.2	2.0	1.9
Corporate and foreign bonds.....	10.0	9.5	53.1	69.0	83.3	86.9	76.5	1.0	2.2	1.6
Mortgages.....	33.4	42.2	60.5	71.9	114.4	122.5	130.2	3.4	2.5	2.8
Open-market paper	2.0	5.6	6.2	15.1	45.4	38.2	37.2	.2	.3	.8
Corporate equities.....	395.5	635.6	913.2	660.5	911.3	1,215.6	1,084.2	40.6	38.2	23.1
Mutual fund shares	17.0	35.2	58.9	43.0	51.8	63.7	64.0	1.7	2.5	1.4
Other corporate equities.....	378.4	600.4	854.2	617.5	859.6	1,151.8	1,020.2	38.9	35.8	21.8
Life insurance reserves	85.2	105.9	143.7	166.6	211.1	222.5	232.6	8.8	6.0	5.0
Pension fund reserves.....	90.8	154.8	322.3	365.7	596.6	727.1	788.7	9.3	13.5	16.8
Security credit.....	1.1	2.5	5.0	4.5	8.5	12.6	18.2	.1	.2	.3
Miscellaneous assets.....	13.3	17.0	31.3	40.6	68.7	74.4	81.0	1.4	1.3	1.7
Total liabilities	228.2	368.9	621.1	801.0	1,390.5	1,493.5	1,598.9	100.0	100.0	100.0
Credit market instruments.....	218.3	343.4	591.0	771.7	1,335.4	1,438.9	1,545.7	95.7	95.2	96.6
Mortgages.....	145.8	227.8	379.5	503.4	886.0	971.3	1,038.9	63.9	61.1	64.9
Installment consumer credit.....	45.1	73.9	133.2	172.3	311.4	312.8	333.4	19.8	21.4	20.8
Other consumer credit.....	20.1	29.3	44.5	50.9	71.3	72.2	60.2	8.8	7.2	5.0
Bank loans, n.e.c. ²	1.2	2.5	10.1	13.7	20.8	28.8	27.6	.5	1.8	1.7
Other loans.....	6.3	10.0	23.6	31.5	45.9	54.8	65.6	2.8	3.8	4.1
Security credit.....	5.4	9.1	17.5	12.1	18.6	23.7	21.6	2.4	2.8	1.4
Trade credit.....	2.1	3.0	8.8	9.4	14.8	16.9	18.4	.9	1.1	1.2
Unpaid life insurance premiums ³	2.4	3.3	6.0	7.7	11.7	12.9	14.2	1.1	1.0	.9

- Represents zero. ¹ Excludes corporate equities. ² "N.e.c." means not elsewhere classified. ³ Includes deferred premiums.

Source of tables 813 and 814: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts, Assets and Liabilities Outstanding, 1957-1980*; and *Annual Statistical Digest*.

NO. 815. FLOW OF FUNDS ACCOUNTS—ASSETS AND LIABILITIES OF PRIVATE NONBANK FINANCIAL INSTITUTIONS, BY TYPE OF TRANSACTION: 1981

[In billions of dollars. As of Dec. 31. Preliminary. A=Assets; L=Liabilities; "N.e.c."=Not elsewhere classified]

TYPE OF INSTRUMENT	TOTAL ¹		MUTUAL SAVINGS BANKS		SAVINGS AND LOAN ASSOCIATIONS		INSURANCE COMPANIES		PENSION FUNDS ²		FINANCE COMPANIES		MONEY MARKET FUNDS	
	A	L	A	L	A	L	A	L	A	L	A	L	A	L
Financial assets	2,847.0	(x)	175.2	(x)	843.8	(x)	701.1	(x)	514.5	(x)	225.4	(x)	181.9	(x)
Liabilities	(x)	2,521.5	(x)	165.6	(x)	835.5	(x)	815.4	(x)	514.5	(x)	220.8	(x)	181.9
Checkable deposits	30.5	18.1	5.1	3.9	3.6	8.8	5.4	-	7.4	-	4.6	-	-	-
Time and savings accounts	70.1	738.9	.9	152.4	8.8	522.3	-	-	12.0	-	-	-	43.9	-
Fed. funds, security RP's	34.0	11.3	5.2	-	14.2	11.3	-	-	-	-	-	-	14.5	-
Money market fund shares	-	181.9	-	-	-	-	-	-	-	-	-	-	-	181.9
Foreign deposits	15.5	-	-	-	-	-	-	-	-	-	-	-	15.5	-
Reserves	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Life insurance	-	223.2	-	-	-	-	-	223.2	-	-	-	-	-	-
Pension fund	-	702.5	-	-	-	-	-	188.0	-	514.5	-	-	-	-
Corporate equities	345.0	84.0	3.2	-	-	-	80.8	-	214.9	-	-	-	-	-
Credit market instruments	2,015.4	239.3	155.7	-	595.8	79.8	554.4	-	273.6	-	220.5	153.1	102.3	-
Securities:														
U.S. Treasury	141.1	-	5.4	-	8.0	-	26.8	-	57.9	-	-	-	31.9	-
Federal agency	124.8	-	18.4	-	45.9	-	23.1	-	30.7	-	-	-	-	-
State and local	106.1	-	2.3	-	1.3	-	90.0	-	4.0	-	-	-	-	-
Corporate and foreign bonds	422.5	80.9	20.2	-	-	3.2	215.7	-	184.5	-	-	57.0	-	-
Mortgages	798.9	8.3	100.0	-	518.4	8.4	140.5	-	15.8	-	15.8	-	-	-
Consumer credit	174.3	-	4.0	-	17.2	-	-	-	-	-	107.2	-	-	-
Bank loans, n.e.c.	-	30.3	-	-	-	5.0	-	-	-	-	-	22.1	-	-
Open market paper	102.4	74.6	5.5	-	6.1	-	16.7	-	-	-	-	74.1	70.4	-
Other loans	145.3	65.2	-	-	-	65.2	48.7	-	-	-	97.5	-	-	-
Security credit	17.2	36.0	-	-	-	-	-	-	-	-	-	-	-	-
Trade credit	17.4	-	-	-	-	-	17.4	-	-	-	-	-	-	-
Taxes payable	-	7.5	-	-	-	9	-	5.0	-	-	-	1.2	-	-
Miscellaneous	92.5	299.3	5.6	9.3	42.4	12.3	32.2	199.2	8.6	-	-	76.5	2.9	-

- Represents zero or rounds to zero. X Not applicable.
 trusts, and security brokers and dealers not shown separately.

¹Includes credit unions, mutual funds, real estate investment trusts, and security brokers and dealers not shown separately.
²Retirement funds of State and local governments and private pension plans.

NO. 816. FLOW OF FUNDS ACCOUNTS—CREDIT MARKET DEBT OUTSTANDING: 1960 TO 1981

[In billions of dollars. As of Dec. 31. "N.e.c."=Not elsewhere classified]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Credit market debt	775.9	1,108.5	1,946.0	2,407.9	2,620.4	2,907.2	3,298.5	3,758.4	4,234.5	4,851.7	5,117.7
Government	305.3	365.5	522.2	570.1	659.2	753.9	828.0	902.8	958.3	1,022.8	1,173.9
Federal	236.3	252.4	340.8	380.8	445.3	515.8	572.5	626.2	683.6	742.8	830.1
State and local	72.0	103.1	181.4	209.2	222.9	238.2	255.5	276.4	294.6	320.7	343.2
Non-government	471.5	743.1	1,423.8	1,837.8	1,951.2	2,153.3	2,469.5	2,855.9	3,276.5	3,556.8	3,944.4
Financial ¹	30.2	59.1	154.4	235.9	245.0	295.8	316.4	381.5	474.1	534.7	614.9
Sponsored credit agencies ¹	7.9	14.2	49.5	77.1	80.9	83.3	88.2	111.3	135.5	159.9	180.0
Mortgage pools	.2	.9	14.4	21.5	28.5	40.7	58.9	70.4	95.4	114.0	128.3
Commercial banks ²	-	1.8	10.9	16.7	19.5	25.6	32.1	38.4	42.1	48.2	57.4
Savings and loan associations	3.4	6.7	15.7	26.5	24.2	24.3	34.2	46.5	59.9	85.7	79.8
Finance companies	18.7	33.8	61.1	75.2	76.7	81.2	97.9	116.2	132.8	136.7	153.1
Foreign	22.9	37.0	60.6	79.8	81.2	110.6	124.2	162.2	162.3	209.5	234.2
Private domestic nonfinancial	418.5	647.0	1,268.7	1,522.1	1,614.9	1,774.0	2,020.1	2,302.3	2,620.0	2,844.6	3,085.3
Corporations ³	154.3	224.3	457.6	601.3	634.4	686.9	788.7	869.8	971.9	1,062.1	1,177.3
Bonds	75.3	97.8	198.9	231.2	281.0	288.3	312.1	335.9	380.6	393.5	417.6
Mortgages	33.4	54.3	109.2	140.9	162.2	164.3	184.0	206.0	228.8	248.9	268.4
Bank loans, n.e.c.	37.9	61.8	120.8	181.3	172.0	175.6	196.4	206.5	286.7	296.5	342.7
Finance company loans	5.8	7.8	18.2	26.1	31.9	40.3	53.8	65.3	75.4	85.5	87.2
Individuals	264.2	422.8	751.1	920.8	980.8	1,087.0	1,261.4	1,442.4	1,648.1	1,782.5	1,918.0
By sector											
Households	218.3	343.4	691.0	722.4	771.7	862.3	1,001.7	1,164.5	1,335.4	1,438.9	1,545.7
Farm	20.0	32.3	57.2	74.7	83.2	93.4	105.7	120.5	141.5	158.0	172.4
Nonfarm	-	-	-	-	-	-	-	-	-	-	-
noncorporate	25.9	47.0	102.9	123.7	125.7	131.4	144.0	157.3	171.2	186.5	200.0
By type of instrument											
Mortgages	173.1	277.0	484.5	595.5	641.1	714.2	823.9	948.3	1,085.2	1,188.6	1,287.7
Consumer credit	65.1	105.2	177.6	213.9	223.2	248.6	286.8	336.4	382.7	395.0	419.5
Policy loans	5.7	8.3	19.0	23.9	25.5	26.9	28.8	31.2	35.9	42.6	50.0
Bank loans, n.e.c.	10.1	16.7	37.7	46.8	45.3	45.7	51.9	57.1	61.4	71.6	73.5
Other loans	10.3	17.5	32.3	40.9	45.4	51.8	56.2	68.4	82.9	86.4	113.3

- Represents zero.

¹Includes other types, not shown separately.

²U.S. Government.

³Includes bank affiliates.

Source of tables 815 and 816: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts, Assets and Liabilities Outstanding, 1957-1980*; and *Annual Statistical Digest*.

NO. 817. FLOW OF FUNDS ACCOUNTS—CREDIT MARKET SUPPLY OF FUNDS, 1960 TO 1981

(In billions of dollars. As of December 31. Excludes corporate equities. See also *Historical Statistics, Colonial Times to 1970*, series X 64-105)

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Credit market debt claims against nonfinancial sectors	746.7	1,066.6	1,791.8	2,172.0	2,375.4	2,836.5	2,872.3	2,367.0	2,790.7	4,117.8	4,982.0
Public agency and foreign holdings	78.0	114.1	258.7	339.1	378.8	428.6	507.9	600.6	684.8	778.8	886.0
U.S. Government securities	39.4	86.0	127.2	148.0	164.0	167.1	221.9	259.0	251.8	267.4	294.8
Residential mortgages ¹	10.2	13.6	50.3	85.6	97.3	107.7	132.0	170.2	217.0	255.3	294.2
Other loans and securities	28.4	44.5	81.2	107.5	117.4	133.9	154.0	181.8	215.9	254.1	298.1
Agency debt excluded from total ²	6.1	15.1	57.9	66.6	106.9	124.0	145.0	181.7	230.9	273.9	316.3
Private domestic holdings ³	679.8	860.4	1,590.8	1,831.5	2,105.4	2,333.8	2,609.4	2,938.8	3,306.8	3,614.1	4,053.1
U.S. Government securities	203.7	219.3	270.2	311.6	368.5	450.5	494.7	549.1	642.0	748.7	863.3
State and local obligations	70.8	100.3	176.5	207.7	223.8	239.5	281.4	287.5	309.3	336.1	361.9
Corporate and foreign bonds	80.4	108.1	211.3	242.3	275.1	306.6	327.8	360.2	374.2	400.4	421.4
Residential mortgages	183.4	248.9	406.2	481.8	506.0	561.5	645.2	737.3	822.2	881.1	925.4
Other mortgages and loans	173.5	261.8	535.6	710.0	729.8	782.6	900.4	1,047.5	1,201.0	1,286.6	1,445.3
Private financial intermediation:											
Claims held by institutions ⁴	466.2	752.2	1,327.9	1,618.0	1,743.0	1,834.4	2,197.0	2,499.3	2,799.5	3,059.2	3,361.8
Commercial banking	166.9	300.6	566.3	719.7	749.1	806.7	866.3	1,025.0	1,143.9	1,243.6	1,343.4
Savings institutions	109.8	184.0	339.8	400.3	453.2	523.7	605.9	679.2	735.1	793.0	817.4
Insurance and pension funds	190.6	218.7	322.2	375.7	416.3	466.0	535.0	610.0	676.4	756.2	838.0
Sources of funds:											
Domestic deposits ⁵	279.6	437.4	808.1	973.9	1,068.1	1,192.6	1,330.7	1,471.8	1,612.4	1,786.1	1,963.6
Credit market debt	22.1	44.0	96.5	137.3	136.2	144.8	171.4	209.8	243.2	280.6	298.6
Insurance and pension reserves	133.4	161.6	260.8	312.8	341.5	374.1	425.6	484.2	531.8	591.2	661.1
Private domestic nonfinancial investors:											
Credit market claims ⁶	205.7	242.2	356.4	450.7	496.6	544.2	583.8	649.3	780.5	815.6	886.0
U.S. Government securities	105.4	114.6	133.5	171.4	186.6	212.7	236.4	272.0	336.2	366.8	413.6
State and local obligations	35.8	43.2	54.4	69.1	77.5	80.6	80.0	79.9	81.4	84.1	98.7
Corporate and foreign bonds	10.0	9.5	53.1	60.1	69.0	60.7	75.7	72.8	83.3	86.9	78.6
Open-market paper	2.8	7.0	20.4	36.0	34.7	36.6	48.2	62.7	74.1	70.7	73.6
Deposits and currency⁷	306.3	475.4	869.2	1,047.0	1,149.2	1,261.6	1,429.4	1,561.6	1,732.1	1,916.9	2,134.0
Small time and savings deposits	163.3	264.3	541.9	614.2	711.5	635.2	828.6	992.1	1,053.0	1,132.9	1,175.5
Money market fund shares	-	-	-	2.4	3.7	3.7	3.9	10.6	45.2	74.4	181.9
Large time deposits	8.2	25.2	75.4	143.9	129.9	117.9	143.6	190.4	210.3	260.6	297.4
Checkable deposits	106.1	127.2	169.1	201.9	211.3	221.6	236.2	254.5	273.8	282.3	280.2
Currency	29.5	37.2	57.6	66.1	74.3	81.6	89.9	99.2	107.1	117.4	126.9

- Represents zero. ¹ Includes Federal Home Loan Bank advances to savings and loan associations. ² Debt of sponsored agencies and mortgage pool securities are excluded from debt of nonfinancial sectors but included in holdings of debt claims below. ³ Claims held by private financial institutions, less sources of funds of credit market debt, plus private domestic nonfinancial investors credit market claims, less FHLB advances. ⁴ Includes other types, not shown separately. ⁵ Includes repurchase agreements.

Source: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts, Assets and Liabilities Outstanding, 1957-1980*; and *Annual Statistical Digest*.

NO. 818. USES AND SOURCES OF FUNDS—SUMMARY: 1960 TO 1981

(In billions of dollars, except percent. See tables 812-817 for related data on financial flows)

USE AND SOURCE	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Uses, funds raised	36.9	66.8	96.1	187.2	200.8	263.2	336.1	390.5	379.4	363.7	362.6
Investment funds	26.2	45.6	69.6	114.1	119.1	143.8	189.1	214.2	217.9	207.3	177.0
Short-term funds	13.8	23.1	18.6	62.9	3.6	60.0	95.5	129.5	131.5	70.7	125.2
U.S. securities, privately held	-2.2	-1.9	6.9	10.2	78.1	59.4	51.5	46.6	29.9	75.7	90.4
Less: Financial intermediaries, funds raised	3.9	7.9	12.4	24.0	5.6	15.5	26.4	47.9	50.5	37.7	65.2
Sources, gross funds supplied	43.2	74.7	107.6	211.2	206.6	278.7	364.8	437.8	428.9	381.3	447.9
Commercial banks	9.5	28.5	37.1	64.6	31.5	66.3	89.9	125.9	120.3	100.5	96.6
Percent of funds supplied	22.0	38.2	34.5	30.6	15.2	23.8	24.7	28.6	28.0	25.7	22.3
Insurance companies	6.5	9.7	13.0	19.6	25.0	36.2	48.6	53.0	50.6	46.0	49.9
Private noninsured pension funds	3.7	5.6	7.7	7.9	14.1	12.5	16.5	16.0	15.9	20.8	23.6
State and local government retirement funds	2.1	3.3	6.1	6.0	11.5	12.4	13.9	14.9	20.0	24.7	27.0
Savings and loan associations	7.3	9.6	12.7	19.7	36.2	51.8	65.1	66.2	51.3	43.9	24.4
Mutual savings banks	1.5	4.0	4.1	3.4	10.9	12.5	11.7	7.8	5.5	5.2	.4
Credit unions	.6	1.1	1.6	3.0	5.0	6.6	8.2	6.3	1.9	-3.4	.8
Investment companies	1.1	1.9	1.9	2.0	3.1	1.4	2.9	5.0	21.8	22.1	76.2
Other financial intermediaries	3.2	5.0	3.7	4.3	-1	10.1	19.7	20.8	22.1	13.6	20.7
Business	-2.9	1.6	4.1	13.1	12.9	15.6	13.6	19.1	19.6	9.1	26.6
Government	2.3	3.9	10.7	16.4	21.4	14.9	13.8	28.5	33.5	39.3	36.6
Foreign investors	1.8	-2	10.5	12.2	10.4	17.9	42.2	40.4	4.6	25.4	21.3
Individuals and others	6.5	.8	-5.6	36.9	24.7	17.4	18.5	41.8	71.6	42.0	40.1
Total net sources	36.9	66.8	96.1	187.2	200.8	263.2	336.1	390.5	379.4	363.7	362.6

Source: Donald Woolley and Beverly Lowen, *Credit and Capital Markets, 1981*, Bankers Trust Company, New York, N.Y.

NO. 819. FEDERAL RESERVE BANKS—ASSETS, LIABILITIES, AND CAPITAL ACCOUNTS: 1960 TO 1981

(In billions of dollars. As of December 31. See also *Historical Statistics, Colonial Times to 1970*, series X 700-805)

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Assets	53.0	62.7	86.9	103.1	110.6	120.4	129.3	137.8	151.1	166.8	168.5	174.8
U.S. Government securities ¹	27.4	40.8	62.1	80.5	² 85.7	² 94.1	² 104.1	² 111.3	118.6	126.2	130.6	140.4
Gold certificate reserves	17.5	13.4	10.5	11.5	11.7	11.6	11.6	11.7	11.7	11.1	11.2	11.2
Special drawing rights	(x)	(x)	.4	.4	.4	.5	1.2	1.3	1.3	1.8	2.5	3.3
Coin and collection items	7.7	7.0	11.4	8.2	8.6	9.2	8.2	9.9	13.2	14.0	12.9	8.9
Loans and acceptances	1	.3	.4	1.9	1.3	1.4	1.0	1.2	1.8	2.1	2.6	1.8
Other assets	.3	1.1	1.1	1.2	3.2	3.3	3.2	2.4	4.5	5.6	8.7	9.2
Liabilities and capital accounts	53.0	62.7	86.9	103.1	110.6	120.4	129.3	137.8	151.1	166.8	168.5	174.8
Federal Reserve notes	26.4	37.1	50.3	64.9	70.9	77.2	83.7	93.2	103.3	113.3	124.2	131.9
Deposits	16.3	19.6	26.7	31.3	30.6	34.8	37.9	35.6	37.0	35.7	31.5	30.8
Deferred availability cash items	4.9	4.7	6.9	4.9	6.9	5.5	5.2	5.8	6.5	6.8	8.1	6.6
Other, and accrued dividends	(2)	.2	.6	1.0	1.1	1.1	1.1	1.2	2.1	2.7	2.3	2.7
Capital accounts	1.2	1.1	1.4	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.6

X Not applicable. Z Less than \$50 million. ¹Beginning 1970, includes securities loaned, fully secured by U.S. Government securities pledged with Federal Reserve banks. ²Excludes securities sold and scheduled to be bought back under matched sale-purchase transactions.

NO. 820. FEDERAL RESERVE MEMBER BANKS—REVENUE AND EXPENSES: 1960 TO 1981

(Includes one member bank in the Virgin Islands. Beginning 1970, data not comparable with prior years)

ITEM	Unit	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Member banks	Number	6,256	6,220	5,769	5,737	5,762	5,790	5,790	5,699	5,564	5,425	5,422	5,475
Current revenue	Bil. dol.	8.9	13.8	27.9	41.7	53.6	51.4	53.6	70.5	89.1	118.9	150.6	196.6
Expenses	Bil. dol.	6.0	10.9	22.2	36.0	46.8	44.4	55.9	61.7	77.8	105.8	136.5	181.9
Net current earnings	Bil. dol.	2.9	3.8	5.7	6.7	7.0	7.0	7.7	8.8	11.3	13.1	14.2	14.7
Net income	Bil. dol.	1.7	2.1	3.6	5.0	5.4	5.5	5.9	6.6	7.8	9.2	9.9	10.6
Cash dividends declared	Bil. dol.	7	1.1	1.5	2.0	2.3	2.5	2.5	2.6	2.9	3.5	3.9	4.4
Capital accounts ¹	Bil. dol.	18.7	23.9	33.0	42.9	46.2	50.0	50.6	56.6	61.6	67.1	73.7	80.9
Ratios to avg. capital accounts													
Net current earnings	Percent	17.4	12.2	17.4	15.5	15.2	13.9	15.2	15.6	18.4	19.5	19.2	15.2
Net income	Percent	10.1	8.8	11.5	11.7	11.6	11.1	11.5	11.7	12.8	13.7	13.4	13.1
Cash dividends declared	Percent	4.2	4.5	5.3	4.7	4.9	5.0	4.8	4.8	4.8	5.2	5.3	5.5

¹Averages of amounts reported for varying call dates; for details, see source.Source of tables 819 and 820: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 821. FEDERAL RESERVE SYSTEM—RESERVES OF DEPOSITORY INSTITUTIONS: 1965 TO 1981

(In billions of dollars. As of December; averages of daily figures)

ITEM	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Factors supplying reserve funds:											
Federal Reserve bank credit outstanding ¹	43.9	66.7	85.6	94.0	99.7	107.6	116.4	129.3	140.0	143.9	151.9
U.S. Government securities ²	40.9	61.7	79.7	86.7	92.1	100.3	107.9	117.3	126.3	127.9	137.8
Floot	2.3	3.6	3.4	2.7	3.0	3.6	5.3	7.4	6.5	5.6	3.4
Other Federal Reserve assets	.5	1.4	2.4	4.6	4.5	3.2	3.1	4.6	7.2	9.6	10.7
Gold stock	19.8	11.1	11.6	11.6	11.6	11.6	11.7	11.8	11.1	11.2	11.2
Special drawing rights accounts	(x)	.4	.4	.4	.5	1.2	1.2	1.3	1.8	3.3	3.3
Treasury currency outstanding	5.6	7.1	8.7	9.2	10.1	10.9	11.4	11.8	12.9	13.4	13.7
Factors absorbing reserve funds:											
Currency in circulation	42.2	57.0	71.6	79.0	85.8	93.7	102.9	113.4	123.8	135.7	143.7
Treasury cash holdings	.8	.4	.3	.2	.5	.6	.4	.3	.4	.4	.4
Deposits with Federal Reserve banks ³	1.1	1.7	3.0	3.0	5.1	7.4	6.6	5.0	3.6	3.5	3.9
Other Federal Reserve accounts	.4	2.3	2.9	3.3	3.2	3.2	3.7	4.3	5.3	4.9	5.9
Reserve balances	22.7	29.9	⁴ 35.1	36.9	⁴ 35.9	⁴ 35.1	⁴ 36.5	41.6	44.1	40.1	41.9
With Federal Reserve banks ⁵	16.7	23.9	28.4	29.8	27.2	26.4	27.1	31.2	32.6	26.7	26.2
Currency and coin	4.0	5.3	6.6	7.2	7.8	8.5	9.4	10.3	11.3	13.3	15.8
Required reserves	22.3	29.0	34.8	36.5	34.7	35.0	35.3	41.4	43.6	40.1	41.6
Excess reserves	.5	.9	⁶ 1.3	.3	.3	.2	.2	.1	.5	(2)	.3
Free reserves ⁷	(-2)	(-2)	-1.0	-4	1	1	-4	-7	-1.0	-1.6	-3

X Not applicable. Z Less than \$50 million. ¹Includes industrial loans and acceptances, when held. ²Includes Federal agency obligations. ³Other than member bank reserves. ⁴Includes \$51 million for 1973 of reserve deficiencies for which Federal Reserve banks are allowed to waive penalties for a transition period. Transition period ended after second quarter 1974. Beginning with week ending Nov. 19, 1975, adjusted to include waivers of penalties for reserve deficiencies. ⁵Beginning 1978, includes reserves of all depository institutions. ⁶Excess less borrowings.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, and *Annual Statistical Digest*.

NO. 822. BANKING OFFICES, BY DEPOSIT INSURANCE STATUS: 1960 TO 1981

[As of December 31. Includes Puerto Rico and outlying areas. See also *Historical Statistics, Colonial Times to 1970*, series X 716-724]

ITEM	1960	1960	1970	1974	1973	1978	1977	1979	1978	1980	1981
All banking offices.....	25,105	30,958	37,186	45,308	47,239	48,653	50,895	52,808	54,928	57,232	58,360
Commercial bank, total.....	24,103	29,736	35,585	43,166	44,917	46,100	47,914	49,602	51,580	53,649	55,751
Member, Fed. Reserve System.....	14,303	18,539	21,989	25,779	26,526	27,154	27,904	28,456	29,163	29,985	31,414
National banks.....	10,038	13,801	17,191	20,498	21,073	21,459	22,294	22,731	23,307	24,217	25,221
State banks.....	4,265	4,738	4,798	5,261	5,453	5,895	5,610	5,725	5,856	5,788	6,193
Nonmember banks.....	9,800	11,197	13,596	17,407	18,391	18,946	20,010	21,146	22,427	23,684	24,337
Insured.....	9,382	10,854	13,332	17,080	18,043	18,576	19,619	20,730	21,993	23,166	23,788
Noninsured.....	418	343	264	327	348	368	391	418	434	478	549
Mutual savings bank, total.....	1,002	1,222	1,581	2,122	2,322	2,553	2,781	3,006	3,338	3,583	3,599
Insured.....	706	913	1,223	1,707	1,897	2,125	2,302	2,517	2,840	3,066	3,217
Noninsured.....	296	309	358	415	425	428	479	489	498	517	382

NO. 823. CHANGES IN NUMBER OF OPERATING BANKING OFFICES: 1960 TO 1981

[As of December 31. Includes Puerto Rico and outlying areas]

TYPE OF CHANGE	1960	1960	1970	1974	1978	1970	1977	1970	1970	1980	1981
Banking offices.....	25,105	30,958	37,186	45,308	47,239	48,653	50,895	52,808	54,928	57,232	58,360
Number of banks.....	13,989	14,324	14,199	14,961	15,130	15,170	15,207	15,206	15,201	15,330	15,355
Number of branches.....	11,108	16,634	22,987	30,347	32,109	33,483	35,498	37,402	39,727	41,902	43,005
Net change during year.....	863	1,231	1,584	2,422	1,831	1,414	2,641	1,809	2,320	2,320	2,118
Offices opened.....	1,080	1,454	1,864	2,730	2,224	1,819	2,524	2,428	2,695	2,800	2,903
Banks.....	132	202	188	406	277	193	206	184	239	271	265
Branches.....	928	1,252	1,676	2,322	1,947	1,626	2,318	2,242	2,656	2,529	2,638
Offices closed.....	197	223	280	308	293	405	483	517	575	494	785
Banks.....	137	159	165	123	106	153	169	185	244	142	240
Branches.....	60	84	115	185	165	252	314	332	331	352	545

Source of tables 822 and 823: U.S. Federal Deposit Insurance Corporation, *Annual Report*.

NO. 824. CHANGES IN COMMERCIAL BANKING STRUCTURE: 1953 TO 1981

[Number of banks, beginning of period, may not correspond to number of banks, end of previous period due to change between types of banking permitted in a State; see footnotes. Minus sign (-) denotes decrease]

CHANGE	1953-1981	1967 and 1960	1960 and 1970	1971 and 1972	1973 and 1974	1975 and 1970	1977 and 1970	1979 and 1960	1981
All commercial banks:									
Number of banks, beginning of period.....	14,074	13,766	13,678	13,886	13,927	14,458	14,671	14,711	14,836
New banks organized.....	5,401	191	319	472	752	484	380	500	264
Mergers and absorptions.....	-4,342	-266	-297	-218	-214	-234	-331	-308	-217
Voluntary liquidations, suspensions.....	-253	-19	-14	-13	-7	-17	-9	-69	-3
Number of banks, end of period.....	14,880	13,678	13,686	13,927	14,458	14,671	14,711	14,836	14,880
Net change in banks.....	806	-68	8	241	531	213	40	125	44
Number of branches, and of period.....	40,547	19,467	21,646	24,943	26,435	34,582	34,578	38,492	40,547
Net change in branches.....	35,021	2,106	2,631	2,968	3,821	3,460	3,456	3,919	2,055

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly; *Annual Statistical Digest*; and unpublished data.

NO. 825. BANKS CLOSED DUE TO FINANCIAL DIFFICULTIES: 1941 TO 1981

[Prior to 1959, excludes Alaska and Hawaii. Banks are closed either permanently or temporarily by order of supervisory authorities or by directors of banks: See *Historical Statistics, Colonial Times to 1970*, series X 741, 748, 756, and 761]

ITEM	Unit	1941-1960	1961-1960	1961-1970	1971-1978	1976	1977	1970	1970	1980	1981
Total banks.....	Number	73	43	63	33	17	8	7	10	10	10
Insured.....	Number	61	28	50	30	16	6	7	10	10	10
Noninsured..	Number	12	15	13	3	1	-	-	-	-	-
Deposits.....	\$1,000	102,818	114,972	342,360	3,119,638	865,659	205,208	854,154	110,696	216,300	3,826,059
Insured.....	\$1,000	99,276	104,810	334,570	3,039,334	854,799	205,208	854,154	110,696	216,300	3,826,059
Noninsured..	\$1,000	3,342	10,362	7,790	80,304	960	-	-	-	-	-

- Represents zero.

Source: U.S. Federal Deposit Insurance Corporation, *Annual Report*.

No. 826. COMMERCIAL BANKS—ASSETS AND LIABILITIES: 1965 TO 1981

[In billions of dollars, except number of banks. As of Dec. 31. Includes noninsured nondeposit trust companies. Includes outlying areas. Includes American branches of foreign banks (tabulated as banks) licensed to do a deposit business. See *Historical Statistics, Colonial Times to 1970*, series X 588-609, for related data]

ITEM	1965	1970	1974	1975	1979	1977	1970	1979	1980	1981
Number of banks.....	13,818	13,705	14,468	14,657	14,696	14,736	14,741	14,738	14,870	14,913
Assets.....	362.9	561.5	927.5	974.7	1,040.1	1,176.6	1,329.0	1,437.7	1,543.5	1,662.3
Securities, total ¹	104.6	146.5	195.9	230.8	253.2	261.0	272.0	287.8	326.0	342.4
U.S. Treasury.....	59.7	59.3	52.3	81.8	96.0	97.0	90.8	88.8	104.5	103.5
Obligations of States and subdivisions.....	38.7	67.9	97.6	101.6	103.3	113.7	124.6	133.3	148.5	151.4
Federal funds sold and sec. purchased ²	2.1	16.3	40.1	39.3	48.5	54.2	55.0	63.5	71.4	91.2
Loans, gross.....	204.7	300.4	514.2	512.5	552.1	632.3	737.6	813.8	841.8	932.5
Commercial and industrial loans.....	71.9	113.4	186.6	181.0	185.1	207.3	236.9	265.8	283.3	329.7
Real estate loans.....	49.7	73.3	132.1	136.5	151.2	179.0	214.0	245.2	263.6	284.0
Construction and land development.....	(⁴)	(⁴)	(⁴)	(⁴)	17.3	21.4	27.3	32.9	36.8	45.1
Secured by farmland.....	2.9	4.4	6.0	6.4	8.7	7.8	8.5	8.6	8.7	8.4
Secured by residential properties.....	32.4	45.6	82.4	83.1	85.9	101.9	124.4	143.9	154.1	163.1
Secured by other properties.....	14.4	23.3	43.7	46.9	41.3	47.9	53.8	59.7	63.9	67.4
Loans to financial institutions ³	15.5	16.6	47.7	42.5	42.7	43.9	55.5	48.9	46.7	57.1
Securities loans (dealers and other).....	8.5	9.8	9.2	11.1	15.4	17.4	14.9	13.6	12.5	15.3
Loans to farmers (excl. real estate).....	8.2	11.2	18.2	20.2	23.2	25.7	26.3	31.1	31.6	33.0
Other loans to individuals.....	45.7	66.3	104.0	107.6	119.3	141.5	167.9	187.9	181.7	186.8
All other loans (incl. overdrafts).....	5.3	7.7	14.3	13.8	15.1	17.5	20.1	21.3	22.1	26.8
Net loans.....	(X)	(X)	(X)	(X)	533.2	610.5	711.9	784.6	812.2	902.0
Cash, balances with banks, etc.	61.0	94.0	126.8	134.5	136.8	170.1	188.5	196.9	202.3	197.3
Other.....	10.4	22.4	48.4	57.7	68.4	80.9	101.4	102.8	131.7	159.4
Liabilities and equity capital.....	362.9	561.5	927.5	974.7	1,040.1	1,176.6	1,329.0	1,437.7	1,543.5	1,662.3
Deposits.....	333.8	465.5	753.6	792.9	845.1	947.1	1,043.3	1,108.7	1,194.0	1,277.8
Demand.....	165.5	249.0	317.5	325.5	336.7	384.9	406.5	435.0	433.1	385.5
Time and savings.....	148.5	236.5	436.1	467.4	508.4	562.2	634.7	673.7	760.9	892.3
Business and personal.....	276.8	397.3	808.9	852.9	704.8	788.3	875.0	940.8	1,029.2	1,126.1
Government.....	32.4	49.7	74.6	71.1	72.3	65.1	88.8	87.2	84.8	86.1
Domestic interbank.....	17.5	29.2	46.0	45.3	45.6	60.4	67.1	69.3	79.6	65.6
Foreign government and bank.....	7.0	9.3	24.2	23.5	22.4	19.3	12.3	11.1		
Miscellaneous liabilities.....	14.7	46.5	101.2	103.3	116.7	143.4	191.2	225.2	235.8	269.8
Subordinated notes and debentures.....	1.7	2.2	4.4	4.6	5.3	5.8	5.9	6.0	6.3	6.3
Equity capital.....	26.7	41.0	59.6	64.9	73.1	60.3	88.8	97.8	108.1	118.6
Stock.....	8.7	11.4	14.9	15.7	18.4	17.4	18.5	20.6	22.0	23.8
Surplus.....	13.6	16.2	25.5	26.9	29.3	31.7	33.7	35.5	37.9	40.4
Undivided profits and reserve.....	6.5	11.4	19.1	22.3	27.4	31.2	36.4	41.8	48.2	54.4

X Not applicable. ¹Includes other categories not shown separately. ²For 1965, securities reported on net (after deduction of reserves) basis. ³Under agreements to resell. ⁴Prior to 1976, included in other categories of real estate loans. ⁵Includes loans to foreign banks.

Source: U.S. Federal Deposit Insurance Corporation, *Assets and Liabilities: Commercial and Mutual Savings Banks*, semiannual; beginning 1978, *Annual Report* and unpublished data.

No. 827. COMMERCIAL BANKS—SUMMARY, BY CLASS OF BANK: 1970 TO 1981

[As of Dec. 31. Member, nonmember refers to Federal Reserve System. See *Historical Statistics, Colonial Times to 1970*, series X 717-721, for related data on banking offices]

ITEM	Total	Na- tional	State mem- ber	NONMEMBER		ITEM	Total	Na- tional	State mem- ber	NONMEMBER	
				In- sured	Nonin- sured					In- sured	Nonin- sured
Number of banks:						Assets (bil. dol.):					
1970.....	13,687	4,621	1,147	7,735	184	1970.....	577.0	340.8	125.5	106.5	4.4
1975.....	14,632	4,744	1,046	8,585	257	1975.....	965.2	553.3	160.5	210.9	20.5
1979.....	14,706	4,448	977	8,928	357	1979.....	1,426.8	792.3	256.5	346.6	31.4
1980.....	14,836	4,425	997	9,000	414	1980 ¹	1,530.0	869.6	267.2	369.9	3.4
1981.....	14,862	4,454	1,020	8,928	460	1981 ¹	1,676.9	958.2	266.5	427.7	2.6
Banking offices:						Demand deposits					
1970.....	35,330	17,157	4,802	13,139	232	(bil. dol.):					
1975.....	44,599	21,022	5,451	17,819	307	1970.....	247.9	145.1	58.5	42.5	1.7
1979.....	51,111	23,122	5,846	21,735	408	1975.....	323.6	183.9	67.7	68.1	3.9
1980.....	53,189	24,045	5,756	22,923	465	1979.....	433.3	234.9	94.8	99.7	3.8
1981.....	55,287	25,052	6,183	23,512	540	1980 ¹	430.7	237.6	90.0	102.6	.4
Gross loans						1981 ¹	363.8	217.8	73.8	91.8	.5
(bil. dol.):						Time and savings					
1970.....	303.0	176.0	64.7	52.6	7.6	deposits (bil.					
1975.....	546.5	315.7	100.8	118.6	11.3	dol.):					
1979.....	808.0	454.2	132.2	204.3	17.2	1970.....	233.9	136.5	42.9	51.5	.8
1980 ¹	835.2	480.9	135.3	218.0	1.0	1975.....	462.9	263.7	75.7	115.9	7.7
1981 ¹	925.7	532.3	157.3	235.2	.9	1979.....	666.3	360.1	92.2	204.2	10.0
						1980 ¹	752.7	414.2	101.1	236.5	.8
						1981 ¹	881.6	486.1	120.0	274.7	.8

¹Excludes branches of foreign banks.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 826. COMMERCIAL BANKS—ASSETS AND LIABILITIES, STATES AND OTHER AREAS: 1961

[In millions of dollars, except number of banks. As of December 31]

STATE OR OTHER AREA	Number of banks	Total assets	SELECTED ASSETS					SELECTED LIABILITIES			
			Total securities	Gross loans and Federal funds sold	Gross loans			Equity capital	Deposits		
					Total	Commercial and industrial	Real estate		Total	Demand	Time and savings
Total	14,815	1,802,329	342,367	1,023,688	932,529	329,701	283,908	118,516	1,277,792	385,478	892,314
U.S.	14,800	1,875,808	340,848	1,019,086	925,487	327,318	282,258	118,229	1,265,016	383,842	891,174
Ala.	308	18,801	5,590	10,152	9,068	2,584	2,776	1,530	15,521	4,322	11,199
Alaska	12	2,460	726	1,258	1,107	391	486	228	1,924	630	1,084
Ariz.	37	14,573	2,582	8,230	9,189	2,409	3,302	842	12,124	3,702	8,422
Ark.	284	12,314	3,592	7,240	6,421	2,158	2,051	992	10,319	2,865	7,654
Calif.	331	190,391	19,524	138,418	126,925	39,503	52,291	11,329	152,308	42,678	109,630
Colo.	483	18,489	3,083	11,843	10,709	3,832	3,085	1,378	14,719	5,678	9,041
Conn.	57	14,419	2,879	9,089	8,614	2,863	3,267	901	11,628	4,893	6,935
Del.	21	4,403	1,192	2,509	2,040	327	813	456	3,031	790	2,241
D.C.	19	7,979	1,589	4,818	4,349	1,334	1,751	566	6,049	2,447	3,602
Fla.	505	51,392	13,820	28,858	25,431	5,732	10,384	3,898	42,713	14,813	28,100
Ga.	427	25,088	5,763	15,148	13,245	3,687	3,715	1,920	19,899	7,632	12,267
Hawaii	12	5,830	1,161	3,729	3,534	956	1,535	364	5,080	1,329	3,751
Idaho	27	5,477	1,198	3,300	3,057	890	940	348	4,394	1,035	3,359
Ill.	1,295	124,209	25,982	78,313	72,837	32,174	18,089	8,533	88,816	23,948	64,870
Ind.	407	34,231	9,513	19,625	17,813	3,959	7,388	2,500	29,016	6,498	21,518
Iowa	655	23,785	7,214	13,756	11,547	2,463	3,267	1,873	19,756	4,028	15,728
Kans.	619	18,231	5,483	10,686	8,833	2,547	1,896	1,480	15,183	3,982	11,201
Ky.	344	21,834	5,771	13,238	10,795	2,814	3,843	1,714	17,672	5,074	12,598
La.	273	28,310	7,822	16,651	14,771	5,182	4,875	2,128	23,739	7,775	15,964
Maine	37	3,678	965	2,150	1,899	584	838	253	3,000	785	2,215
MD	94	17,122	3,521	10,723	9,771	2,326	4,329	1,255	13,520	4,428	9,092
Mass.	145	32,057	8,485	18,005	16,039	6,945	4,329	2,031	22,967	8,945	13,922
Mich.	377	54,116	11,587	31,885	29,401	8,399	12,683	3,554	43,885	9,674	34,191
Minn.	763	32,270	7,891	19,012	17,589	5,816	5,180	2,288	26,281	6,742	19,539
Miss.	171	12,745	3,936	7,239	6,447	1,599	2,197	944	10,779	2,832	7,947
Mo.	734	38,058	9,592	22,208	19,058	5,452	6,001	2,702	29,219	9,058	20,161
Mont.	187	5,734	1,493	3,481	3,157	921	849	441	4,923	1,174	3,749
Nebr.	405	12,910	3,082	8,071	6,539	1,509	878	1,023	10,491	2,871	7,620
Nev.	14	4,055	803	2,505	2,414	585	1,120	316	3,440	1,225	2,215
N.H.	72	3,816	744	2,424	2,285	540	1,094	266	3,113	710	2,403
N.J.	161	37,802	9,431	21,944	20,083	5,614	8,803	2,432	31,363	10,106	21,257
N. Mex.	99	6,801	1,845	4,205	3,585	1,345	919	489	5,764	1,554	4,210
N.Y. ¹	334	274,454	38,359	180,801	149,290	72,049	23,789	21,881	183,288	65,758	97,530
N.C.	73	26,234	6,379	15,121	13,486	4,702	3,421	1,704	19,328	5,918	13,408
N. Dak.	179	6,081	1,780	3,589	3,047	812	920	486	5,167	1,071	4,096
Ohio	380	58,157	14,893	32,380	29,289	8,141	10,825	4,614	44,303	11,471	32,832
Ore.	508	27,831	6,734	16,889	14,705	5,758	3,508	1,933	23,530	7,851	15,679
Oreg.	95	13,890	2,398	8,861	8,186	2,911	2,726	871	10,948	2,854	8,092
Pa.	383	89,581	22,817	50,873	47,965	18,138	15,821	5,953	67,759	17,080	50,679
R.I.	17	7,706	1,147	4,880	4,242	1,348	1,680	391	5,536	1,139	4,397
S.C.	83	8,685	2,522	4,832	4,187	1,108	1,120	667	7,001	2,737	4,264
S. Dak.	154	7,994	1,867	5,623	5,393	714	681	670	6,539	879	5,660
Tenn.	254	26,033	6,291	15,112	13,511	4,120	4,384	1,833	21,156	5,667	15,489
Tex.	1,529	129,886	28,074	81,149	73,338	35,783	15,727	9,092	105,372	35,922	69,450
Utah	68	7,422	1,251	4,800	4,193	1,218	1,747	482	6,109	1,875	4,234
Vi.	28	2,523	485	1,759	1,673	364	923	187	2,235	464	1,771
Va.	224	26,581	5,829	17,117	15,965	3,821	8,213	1,883	21,704	5,823	16,081
Wash.	110	24,172	3,101	15,030	14,248	5,577	3,912	1,472	19,058	5,249	13,807
W. Va.	243	11,253	3,748	6,534	5,806	983	2,504	955	9,284	2,032	7,252
Wis.	643	27,974	7,163	17,287	15,589	3,998	7,149	2,091	22,832	5,553	17,279
Wyo.	109	3,789	999	2,302	2,024	721	585	321	3,278	828	2,350
P.R. ²	24	12,801	1,509	6,393	5,835	1,895	1,446	378	10,610	1,820	8,991
Guam ³ and Santo	4	2,287	20	962	979	627	105	10	1,508	137	1,372
V.I. ⁴	5	755	11	248	248	51	152	-	658	60	578

¹ Represents zero. ² Includes data for 17 insured branches operated by 3 State nonmember banks in Puerto Rico.³ Includes data for 27 insured branches operated by 2 national banks in New York, a national bank in California, and a national bank in Illinois.⁴ Consists of data for 16 insured branches located in Guam operated by 2 State nonmember banks in Hawaii, 1 State nonmember bank in Guam, 3 State nonmember banks and a national bank in California, and 2 national banks in New York.⁵ Includes data for 24 insured branches operated by 2 national banks in New York, a national bank in California, and a national bank in Pennsylvania, and a nonmember bank in Puerto Rico.

Source: U.S. Federal Deposit Insurance Corporation, unpublished data.

No. 829. LARGEST COMMERCIAL BANKS—FINANCIAL DATA, BY RANK OF ASSETS: 1960 TO 1981

(In billions of dollars, except percent. As of December 31. See also table 820)

ASSET GROUP	ASSETS						DEPOSITS					
	1960	1965	1970	1975	1980	1981	1960	1965	1970	1975	1980	1981
Total of 30 largest	88.6	146.7	220.0	348.0	570.2	622.0	85.5	124.4	173.9	265.9	371.3	386.5
Percent of all commercial banks	39.1	39.4	34.3	35.7	27.0	35.5	38.5	38.4	32.2	33.5	31.2	30.5
Lowest ten	6.6	9.2	18.4	23.0	40.6	43.7	5.9	8.1	13.5	17.8	24.1	23.8
Second ten	8.1	12.1	19.5	26.7	47.0	51.3	7.2	10.6	18.4	22.1	26.5	33.1
Third ten	10.4	14.8	24.2	34.1	58.0	67.6	9.3	12.9	20.0	25.8	36.3	40.4
Fourth ten	19.3	28.9	42.4	67.2	110.4	128.8	16.8	24.8	33.8	51.7	76.6	81.5
Highest ten	54.3	81.7	117.4	185.0	313.3	332.6	46.4	68.1	90.5	148.5	205.6	209.7
Percent of total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Lowest ten	6.6	6.3	7.4	6.6	7.1	7.0	6.8	6.5	7.7	6.7	6.5	6.1
Second ten	8.2	8.2	8.9	8.2	8.2	8.3	8.4	8.5	9.4	8.3	7.7	8.5
Third ten	10.6	10.1	11.0	9.8	10.3	10.9	10.9	10.4	11.5	9.7	9.8	10.4
Fourth ten	19.5	19.7	19.3	19.3	19.4	20.4	19.6	19.9	19.3	19.4	20.6	21.0
Highest ten	55.0	55.7	53.4	56.1	55.0	53.4	54.3	54.7	52.0	55.9	55.4	54.0

Source: U.S. Federal Deposit Insurance Corporation, unpublished data.

No. 830. INSURED COMMERCIAL BANKS—SELECTED MEASURES OF FINANCIAL CONDITION:
1975 TO 1981

(As of December 31)

ITEM	Unit	1975	1976	1977	1978	1979	1980	1981
Number of banks	Number	14,467	14,494	14,439	14,372	14,364	14,435	14,415
Equity and debt capital	ML. dol.	70,336	77,370	85,088	93,192	103,306	114,147	124,767
Equity capital to total assets	Percent	6.1	6.1	5.9	5.6	5.7	5.8	5.8
Equity capital to total deposits	Percent	6.5	7.3	7.1	7.1	7.1	7.3	7.4
Debt capital to total capital	Percent	6.3	6.7	6.9	6.6	6.1	5.7	5.2
Total capital to total assets	Percent	6.5	6.6	6.4	6.2	6.1	6.2	6.2
Total capital to total liabilities	Percent	6.8	7.0	6.6	6.6	6.5	6.6	6.6
Total capital to risk assets	Percent	9.0	9.1	8.6	8.5	8.3	8.4	8.2
Total loans, excluding Federal funds	ML. dol.	579,367	626,692	722,367	826,469	931,198	1,002,483	912,344
Total loans to deposits	Percent	63.4	63.2	64.7	67.4	68.4	67.7	70.2
Net loan losses to average total loans	Percent	.61	.64	.47	.37	.34	.36	.36
Aggregate net operating income ¹	ML. dol.	7,146	7,615	8,726	10,898	13,126	14,484	15,600
Aggregate net income to average equity capital	Percent	11.3	11.0	11.5	13.1	14.3	14.1	13.8
Aggregate net income to total assets	Percent	.72	.73	.75	.62	.60	.70	.77

¹ After taxes and before security transactions.Source: U.S. Federal Deposit Insurance Corporation, *The Condition of the Financial System*, May 1980, and unpublished data.No. 831. U.S. BANKING OFFICES OF FOREIGN BANKS—SELECTED ASSETS AND LIABILITIES:
1973 TO 1982

(As of December, except as indicated. Offices include agencies, branches, subsidiary commercial banks and New York investment companies, and exclude Puerto Rican banks)

ITEM	Unit	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982 Mar
Assets, total	BL. dol.	32.3	46.1	52.4	61.3	76.6	109.1	149.6	200.6	250.9	257.5
Standard banking assets	BL. dol.	24.6	36.9	42.1	48.5	59.0	87.6	122.5	163.8	216.0	223.3
Loans, total	BL. dol.	17.8	27.0	29.9	35.4	41.5	65.3	91.9	121.4	156.1	162.3
Business loans	BL. dol.	12.8	18.8	19.9	19.7	22.0	32.7	48.2	59.6	73.4	77.1
Deposits, total	BL. dol.	11.4	17.0	22.6	26.1	33.6	48.3	62.8	80.4	101.5	115.3
SHARE ¹											
Assets, total	Percent	3.8	4.9	5.3	5.8	6.4	8.0	9.9	11.9	13.5	13.8
Standard banking assets	Percent	3.2	4.3	4.7	5.1	5.6	7.3	9.1	11.0	12.7	13.0
Loans, total	Percent	3.7	5.1	5.7	6.4	6.6	8.8	10.9	13.4	15.0	15.4
Business loans	Percent	7.6	9.5	10.4	10.2	10.3	13.1	16.3	18.2	19.2	19.3
Deposits, total	Percent	1.7	2.3	2.9	3.1	3.6	4.5	5.8	6.6	7.7	8.7

¹ Percent of "domestically owned" commercial banks plus U.S. offices of foreign banks.

Source: Board of Governors of the Federal Reserve System, unpublished data.

NO. 832. BANK HOLDING COMPANIES—OFFICES, ASSETS, DEPOSITS: 1960 TO 1981

[As of Dec. 31. A "bank holding company" means any company which has control over any bank or over any company that is, or becomes, a bank holding company by virtue of the Bank Holding Company Act and its amendments. Represents domestic data only]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Number of companies.....	47	53	121	1,752	1,821	1,912	2,027	2,222	2,475	2,605	3,500
Banking offices.....	1,483	1,954	4,155	20,583	22,058	22,990	24,243	25,814	27,099	29,924	33,733
Banks.....	429	486	895	3,482	3,674	3,791	3,903	4,101	4,280	4,954	5,889
Branches.....	1,037	1,465	3,260	17,131	18,382	19,199	20,340	21,513	22,819	24,970	28,044
Assets (bil. dol.).....	20.5	31.2	92.9	640.1	661.3	700.0	795.1	905.0	1,004.7	1,134.4	1,295.7
Percent of all commercial banks.....	11.1	11.5	15.1	89.8	88.5	87.9	88.2	88.7	70.6	74.1	77.3
Deposits (bil. dol.).....	18.3	27.8	78.1	509.7	527.5	553.6	624.3	691.1	744.7	840.6	938.7

Source: Board of Governors of the Federal Reserve System, *Banking and Monetary Statistics, 1941-1970; Annual Statistical Digest*; and unpublished data.

NO. 833. MUTUAL SAVINGS BANKS—ASSETS AND LIABILITIES: 1960 TO 1981

[In billions of dollars, except number of banks. As of Dec. 31. Includes Virgin Islands through 1985 and Puerto Rico through 1975. See *Historical Statistics, Colonial Times to 1970*, series X 887-888 and X 821-833, for related data]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Number of banks.....	515	506	494	480	476	473	467	465	463	460	442
Assets ¹	49.8	58.2	75.2	109.5	121.1	134.9	147.3	158.2	167.9	188.8	184.7
Loans and discounts, gross ²	27.1	45.3	60.4	78.7	81.3	86.8	94.4	102.4	102.5	108.6	104.4
Real estate loans.....	26.5	44.8	57.9	74.6	77.2	81.8	88.2	95.2	95.2	99.1	94.9
Securities.....	12.0	11.0	18.2	26.0	34.2	42.0	45.6	47.8	46.1	48.0	48.0
U.S. Government.....	10.6	8.3	5.0	6.8	10.6	14.9	17.4	18.0	18.6	21.1	21.2
Other securities.....	1.5	4.7	11.2	19.1	23.4	27.2	28.1	29.8	27.5	26.9	24.9
Liabilities and surplus.....	49.8	58.2	75.2	109.5	121.1	134.9	147.3	158.2	167.9	188.8	184.7
Deposits.....	36.4	52.8	72.1	99.4	110.6	123.7	134.9	143.7	142.0	149.9	145.6
Miscellaneous liabilities.....	7	8	1.2	2.2	2.1	2.1	2.4	3.6	5.2	8.1	9.1
Surplus accounts.....	3.8	4.7	5.9	8.0	8.4	9.1	10.0	10.9	10.7	10.6	9.0

¹ Includes assets not shown separately. ² Prior to 1970, data net of valuation reserves.

Source: U.S. Federal Deposit Insurance Corporation, *Annual Report*.

NO. 834. SAVINGS AND LOAN ASSOCIATIONS (FSLIC-INSURED)—SELECTED FINANCIAL ITEMS AND RATIOS OF CONDITION: 1970 TO 1981

[As of Dec. 31 for assets, liabilities and net worth; calendar year for other items. FSLIC—Federal Savings and Loan Insurance Corporation. FSLIC-insured savings and loan association represent approximately 98 percent of the resources of all operating savings and loan associations. Minus sign (—) denotes either loss or outflow]

ITEM	Unit	1970	1975	1976	1977	1978	1979	1980	1981
Assets.....	Bil. dol.	170.5	329.0	361.7	447.9	510.8	586.7	615.3	651.0
Mortgage loans outstanding.....	Bil. dol.	148.1	271.3	315.3	372.4	423.5	486.5	492.7	508.4
Liabilities.....	Bil. dol.	158.7	308.9	360.4	423.4	482.8	535.1	582.9	623.2
Net worth.....	Bil. dol.	11.9	18.1	21.3	24.4	28.1	31.6	32.4	27.8
Gross operating income.....	Bil. dol.	10.7	23.7	28.2	33.9	40.6	48.6	56.1	65.2
Operating expense.....	Bil. dol.	1.9	3.9	4.6	5.3	6.2	7.1	7.9	9.0
Cost of funds.....	Bil. dol.	6.1	17.8	20.5	24.1	28.7	36.4	47.4	63.3
Net income before taxes.....	Bil. dol.	1.2	2.1	3.2	4.6	5.7	6.2	1.2	-6.2
Net income after taxes.....	Bil. dol.	.9	1.4	2.2	3.2	3.9	3.6	.8	-4.6
Gross savings receipts.....	Bil. dol.	82.0	151.1	160.6	214.5	266.4	354.5	454.5	520.8
New savings received.....	Bil. dol.	66.5	136.4	166.4	198.3	245.7	330.6	424.2	482.0
Interest/dividends credited.....	Bil. dol.	5.5	12.6	15.4	16.2	20.7	23.9	30.3	38.8
Savings withdrawals.....	Bil. dol.	51.2	100.1	131.1	164.3	222.2	315.8	413.5	507.4
Net savings inflow.....	Bil. dol.	10.6	42.1	49.7	50.2	44.2	36.9	41.0	13.4
Net new savings received.....	Bil. dol.	5.3	29.3	34.4	32.0	23.5	15.0	10.7	-25.4
Mortgage loans closed.....	Bil. dol.	20.8	53.6	77.1	105.3	108.3	96.7	71.3	52.9
Average cost of funds.....	Percent	6.30	6.32	6.36	6.44	6.57	7.47	8.94	10.92
Average effective dividend rate paid.....	Percent	5.14	6.21	6.31	6.39	6.56	7.29	8.76	10.71
Average interest return on mortgages.....	Percent	6.56	7.66	7.95	8.21	8.47	8.83	9.31	9.87
Net income to average assets.....	Percent	.57	.47	.63	.77	.82	.67	.13	-.73

Source: U.S. Federal Home Loan Bank Board, *Combined Financial Statements*, annual; *Savings and Home Financing Source Book*, annual; and *Federal Home Loan Bank Board Journal*, monthly.

NO. 835. SAVINGS AND LOAN ASSOCIATIONS—FINANCIAL ITEMS: 1960 TO 1981

[In billions of dollars, except number of associations. As of December 31, except as indicated. Includes Puerto Rico and Guam. See headnote, table 836. Beginning 1965, excludes associations which have either liquidated or converted to banks; for details, see source. Minus sign (-) denotes outflow. See also *Historical Statistics, Colonial Times to 1970*, series X 834-844]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Number of associations	5,820	6,185	5,689	5,170	5,086	4,931	4,821	4,761	4,725	4,684	4,592	4,347
Number insured	4,085	4,506	4,365	4,183	4,141	4,078	4,044	4,065	4,053	4,039	4,002	3,779
Total assets	71.5	125.6	176.2	271.9	295.5	338.2	381.1	456.2	523.8	579.9	630.7	663.8
Cash and investment securities	7.9	12.1	16.5	21.1	23.3	30.9	35.7	39.2	44.9	46.3	57.9	62.8
Mortgage loans outstanding ¹	80.1	110.3	150.3	231.7	249.3	278.6	323.0	381.2	432.9	475.7	503.2	516.4
Other assets	3.5	7.2	9.3	19.1	22.9	28.7	33.2	36.9	45.9	56.9	69.6	82.7
Total liabilities	66.5	120.9	165.8	264.8	277.1	316.5	369.9	434.0	484.8	545.3	597.4	635.5
Savings capital	62.1	110.4	146.4	227.0	243.0	265.7	335.9	390.8	431.0	470.0	511.6	524.4
Other ²	4.4	10.5	17.4	27.9	34.1	32.7	34.0	47.2	63.8	75.3	85.7	111.1
Net worth	(NA)	(NA)	12.4	17.1	18.4	19.8	22.0	25.2	29.0	32.6	33.3	28.4
Mortgage loans made during year ^{1,3}	14.3	24.2	21.4	48.4	38.0	65.0	78.8	107.4	110.3	100.5	72.5	53.9
Home construction ⁴	4.7	8.0	4.2	8.4	6.5	8.7	13.0	18.2	20.1	18.8	13.5	10.3
Home purchases ⁴	6.1	10.8	10.2	26.2	22.6	30.7	45.7	62.5	65.6	60.7	41.9	27.6
Net new savings ⁵	(NA)	(NA)	5.3	10.5	4.7	29.3	34.4	32.0	23.5	15.0	10.7	25.4

NA Not available. ¹Beginning 1970, real estate sold on contract included in mortgage lending data; prior years, in "Other assets." ²Prior to 1970, permanent stock included in "Other liabilities"; thereafter, in "Net worth." ³Includes loans not shown separately. ⁴Covers only 1-4 unit residential structures. ⁵Insured associations only.

Source: U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual.

NO. 836. SAVINGS AND LOAN ASSOCIATIONS—SELECTED FINANCIAL ITEMS, STATES AND OTHER AREAS: 1980

[In millions of dollars, except number of associations. As of December 31. Major balance sheet items for all operating and insured associations not identical with those shown in table 835, primarily because some State-chartered associations submit their reports on dates other than Dec. 31]

STATE	Number of associations	Total assets	Mortgage loans outstanding	Savings capital	STATE OR OTHER AREA	Number of associations	Total assets	Mortgage loans outstanding	Savings capital
Total	4,591	627,540	501,702	509,109	Montana	13	1,124	942	909
Alabama	59	4,958	3,937	4,358	Nebraska	39	5,447	4,509	4,224
Alaska	5	411	225	320	Nevada	8	2,444	1,872	1,676
Arizona	18	6,589	4,932	5,166	New Hampshire	17	1,145	935	999
Arkansas	75	4,455	3,340	3,970	New Jersey	207	25,142	17,343	20,742
California	185	120,536	98,204	89,893	New Mexico	34	2,596	2,006	2,177
Colorado	46	10,008	7,891	7,508	New York	115	27,715	17,479	22,282
Connecticut	39	4,404	3,442	3,878	North Carolina	198	12,412	10,590	10,780
Delaware	19	275	236	227	North Dakota	11	2,424	1,986	1,890
Dist. of Columbia	14	5,079	4,440	3,781	Ohio	384	40,587	32,959	33,604
Florida	128	51,802	41,791	43,213	Oklahoma	58	5,981	4,914	4,752
Georgia	97	11,065	9,242	9,414	Oregon	32	7,106	5,702	5,736
Hawaii	6	2,918	2,519	2,045	Pennsylvania	359	24,969	20,233	20,827
Idaho	12	1,023	878	840	Rhode Island	6	799	661	640
Illinois	371	45,862	36,842	36,358	South Carolina	74	6,394	5,477	5,491
Indiana	161	10,413	8,543	9,073	South Dakota	19	1,110	852	973
Iowa	74	7,169	5,927	6,078	Tennessee	99	7,402	6,066	6,237
Kansas	79	7,269	6,199	6,820	Texas	320	35,088	27,831	28,540
Kentucky	102	5,877	5,005	6,194	Utah	16	4,262	3,886	2,962
Louisiana	131	8,462	6,792	7,316	Vermont	7	248	201	213
Maine	20	693	559	600	Virginia	85	9,821	8,170	8,076
Maryland	186	10,665	9,073	8,743	Washington	48	9,707	8,130	7,411
Massachusetts	153	8,384	6,186	7,223	West Virginia	32	1,818	1,229	1,400
Michigan	83	18,430	15,436	15,937	Wisconsin	106	12,591	10,589	10,822
Minnesota	66	10,845	8,471	8,489	Wyoming	12	1,029	772	868
Mississippi	59	2,973	2,192	2,547	Puerto Rico	12	2,294	1,836	1,772
Missouri	111	15,980	12,607	13,158	Guam	2	70	57	63

Source: U.S. Federal Home Loan Bank Board, *Asset and Liability Trends*, annual.

NO. 837. FEDERAL AND STATE-CHARTERED CREDIT UNIONS—SUMMARY: 1960 TO 1981

[As of December 31. Federal data include District of Columbia, Puerto Rico, Canal Zone, Guam, and Virgin Islands. State data include Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series X 864-876]

YEAR	CREDIT UNIONS REPORTING ¹		MEMBERS (1,000)		ASSETS (mil. dol.)		LOANS OUTSTANDING (mil. dol.)		SAVINGS (mil. dol.)	
	Federal	State ²	Federal	State ²	Federal	State ²	Federal	State ²	Federal	State ^{2,3}
1960.....	9,905	10,151	6,087	5,971	2,670	2,969	2,021	2,361	2,344	2,637
1965.....	11,543	10,521	8,641	8,115	5,186	5,385	3,865	4,233	4,538	4,882
1970.....	12,977	10,679	11,906	10,853	8,661	9,069	6,969	7,137	7,629	7,857
1975.....	12,737	9,671	17,088	14,198	20,209	17,804	14,899	13,300	17,530	15,522
1978.....	12,789	8,443	23,259	17,461	34,790	27,586	27,667	22,582	29,803	23,715
1979.....	12,738	8,274	24,790	18,409	36,406	29,524	26,547	23,677	31,631	25,628
1980.....	12,440	8,025	24,519	19,235	40,092	33,143	28,350	22,633	36,263	29,480
1981, prel.....	11,966	8,776	25,459	19,819	41,905	36,300	27,204	22,990	37,789	31,297

¹Represents operating credit unions. ²No State or local credit union law in Alaska, Del., S. Dak., Wyo., and for 1960-1975, Hawaii and Nev. ³Includes members' deposits.

Source: 1960 and 1965, U.S. Social Security Administration, *Federal Credit Union Program*, annual. Beginning 1970, National Credit Union Administration, *Annual Report of the National Credit Union Administration and State-Chartered Credit Unions*.

NO. 838. FINANCE COMPANIES—ASSETS AND LIABILITIES: 1970 TO 1980

[In millions of dollars, except number of companies. As of June 30. Finance companies include Money Plan Companies and companies whose largest portion of assets is in one or more of the following kinds of receivables—sales finance receivables, personal cash loans to individuals and families, short- and intermediate-term business receivables, and junior liens on real estate. For 1980 based on a stratified random sample of 469 companies. NA Not available]

ITEM	1970	1975	1980	ITEM	1970	1975	1980
Number of companies.....	2,961	3,376	2,775	Assets—Con.			
Total assets, net.....	99,577	86,718	175,625	Less reserves for unearned income.....	5,131	7,684	21,251
Total receivables, gross.....	57,113	85,894	163,341	Less reserves for losses.....	1,123	1,623	2,891
Consumer receivables.....	31,773	40,814	77,260	Total receivables, net.....	50,859	76,687	159,199
Retail passenger car paper.....	9,250	9,938	27,118	Other assets.....	9,718	12,029	15,917
Mobile homes.....	2,327	3,461	4,832	Total liabilities, capital, and surplus.....	86,577	86,718	175,625
Retail consumer goods.....	7,816	12,647	22,702	Loans and notes payable to banks.....	7,551	8,617	15,456
Personal cash loans.....	12,380	14,789	22,809	Short-term.....	6,581	7,900	7,895
Business receivables.....	22,999	39,296	86,067	Long-term.....	969	718	7,573
Wholesale paper.....	7,521	10,945	21,741	Commercial paper.....	22,073	25,805	52,326
Retail paper.....	6,563	11,087	26,318	Other short-term debt.....	5,082	7,408	10,627
Lease paper.....	3,802	6,065	23,281	Other long-term debt.....	15,501	29,013	52,896
Other business credit.....	5,113	9,208	14,747	Other liabilities.....	424	3,823	18,363
Real estate loans.....	NA	1,946	11,831	Capital, surplus, undivided profits.....	9,947	13,951	25,350
Other receivables.....	2,342	3,946	8,183				

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, November 1972, March 1976 and May 1981 issues.

NO. 839. SELECTED FEDERAL CREDIT AGENCIES—BALANCE SHEET ITEMS: 1960 TO 1981

[In billions of dollars. As of Dec. 31. Excludes capital accounts except for stock of home loan banks. Bonds, debentures, and notes valued at par; include only publicly offered securities and are not guaranteed by U.S. Government. Loans are gross of valuation reserves and represent cost for FHMA and unpaid principal for other agencies. See *Historical Statistics, Colonial Times to 1970*, series N 300, for FHLB advances]

AGENCY AND ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Federal home loan banks (FHLB):											
Assets: Advances to members.....	2.0	6.0	10.6	21.6	17.8	15.9	20.2	32.7	41.6	49.0	65.2
Investments.....	1.2	1.6	3.9	3.1	4.4	6.1	3.7	3.4	3.7	4.3	8.2
Liabilities: Bonds and notes.....	1.3	5.2	10.2	21.9	16.9	16.8	18.3	27.6	33.3	41.0	57.6
Deposits and borrowings.....	.8	1.0	2.3	2.5	2.7	4.0	4.3	6.2	9.4	10.1	12.2
Capital stock.....	1.0	1.5	1.6	2.6	2.7	2.9	3.3	4.1	5.1	5.2	5.8
FHMA:											
Assets: Mortgage loans.....	2.6	2.5	15.5	29.6	31.8	32.9	34.4	43.2	50.6	57.3	61.4
Liabilities: Debentures ¹	2.5	1.9	15.2	29.2	30.0	30.6	31.9	41.1	48.5	55.2	58.7
Banks for cooperatives:											
Assets: Loans to cooperatives.....	.6	1.1	2.0	3.6	4.0	4.4	5.7	6.1	6.1	9.6	9.5
Liabilities: Debentures.....	.4	.8	1.8	3.6	3.7	4.3	4.4	4.8	.6	.6	.2
Federal intermediate credit banks:											
Assets: Loans and discounts.....	1.5	2.5	5.0	8.6	10.0	11.3	12.6	15.7	17.5	19.4	21.2
Liabilities: Debentures.....	1.5	2.3	4.8	8.8	9.3	10.5	11.2	11.5	2.7	1.8	1.4
Federal land banks:											
Assets: Loans.....	2.6	4.3	7.2	13.6	16.6	19.1	22.8	25.6	32.3	36.1	48.0
Liabilities: Bonds.....	2.2	3.7	6.4	12.7	15.0	17.1	19.1	20.4	18.0	12.4	9.7
Farm credit banks ² :											
Consolidated notes and bonds.....	(X)	(X)	(X)	(X)	(X)	(X)	2.5	5.1	33.2	46.2	60.0

X Not applicable. ¹Secondary market operations of Federal National Mortgage Association. ²Includes notes.

³Began issuance in Sept. 1977; in 1979, issuance on a regular basis replacing financing activities of Federal land banks, Federal intermediate credit banks, and banks for cooperatives.

Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 840. FOREIGN LENDING BY LARGE U.S. BANKS, BY COUNTRY, TYPE OF BORROWER, AND MATURITY: 1981

[In millions of dollars. As of December. Covers 156 banks with assets of \$1 billion or more which do nearly all of the foreign lending in the country. Data represent claims on foreign residents and institutions held at all domestic and foreign offices of covered banks]

Country	Total claims ¹	Bank borrowers	Public borrowers	Maturity, 1 year or less	Country	Total claims ¹	Bank borrowers	Public borrowers	Maturity, 1 year or less
Total¹	332,982	179,618	58,181	244,187	Ireland	1,331	480	455	752
Algeria	1,359	310	818	536	Israel	2,022	1,573	224	1,888
Argentina	8,403	2,473	2,589	5,182	Italy	8,380	4,785	1,931	5,813
Australia	3,006	426	278	1,885	Japan	20,880	12,834	383	17,537
Austria	1,988	1,595	248	1,574	Korea, Rep. of	8,891	4,801	1,454	8,542
Bahamas	10,950	10,031	20	10,010	Kuwait	1,336	832	28	1,238
Bahrain	2,286	2,218	31	2,258	Liberia	2,029	18	88	821
Belgium-Luxembourg	11,182	9,197	1,014	10,109	Mexico	21,488	3,808	7,293	12,649
Bolivia	437	50	242	207	Morocco	812	328	379	550
Brazil	16,819	7,029	5,116	7,884	Netherlands	3,449	2,458	73	2,809
British West Indies	9,936	9,491	104	9,678	Nicaragua	423	23	361	125
Bulgaria	245	138	98	146	Nigeria	1,148	284	754	509
Canada	11,216	7,683	748	8,386	Norway	2,997	587	196	1,126
Chile	5,816	2,857	878	2,783	Panama	5,508	3,917	278	4,481
China:					Peru	1,872	854	833	1,448
Mainland	279	192	48	229	Philippines	5,374	1,445	2,103	3,734
Taiwan	4,976	1,468	1,447	3,414	Poland	1,982	1,050	783	1,074
Colombia	2,776	1,054	748	1,802	Portugal	1,372	570	525	888
Denmark	2,842	801	687	1,297	Saudi Arabia	2,078	711	145	1,836
Ecuador	2,081	583	715	1,383	Singapore	7,331	8,377	228	6,880
Egypt	1,178	738	258	1,088	South Africa	2,722	1,988	517	2,281
Finland	1,812	841	378	1,125	Soviet Union	478	210	195	257
France	13,136	10,797	1,228	11,027	Spain	5,809	2,420	987	3,288
German Dem. Rep.	983	548	418	535	Sweden	3,973	1,988	989	2,473
Germany, Fed. Rep.	7,911	1,967	810	8,474	Switzerland	4,044	2,387	146	3,670
Greece	3,070	368	788	1,412	Thailand	1,885	744	352	1,218
Hong Kong	8,712	3,398	153	5,237	Turkey	1,423	167	1,207	202
Hungary	1,115	240	888	428	Un. Arab Emirates	1,229	878	338	824
Indonesia	2,391	324	741	1,414	United Kingdom	47,273	37,409	1,443	41,546
Iran	447	238	157	414	Venezuela	10,471	2,088	4,117	7,744
					Yugoslavia	2,882	1,513	491	1,008
					Zaire	183	34	143	48

NA Not available. ¹ Includes nonbank private borrowers and maturity over one year, not shown separately.

² Includes countries not shown separately.

Source: Board of Governors of the Federal Reserve System, Federal Financial Institutions Examination Council, statistical releases.

NO. 841. HOLDINGS OF CONSTRUCTION, LONG-TERM MORTGAGE, AND LAND LOANS, BY TYPE OF LOAN, 1970 TO 1981, AND BY LENDER, 1981

[In billions of dollars. As of end of year]

TYPE OF LOAN	1970	1975	1979	1979	1980	1981						
						Total ¹	Lender					
							Savings and loan assn.	Commercial banks	Mutual savings banks	Life insurance companies	Federal credit agencies	Mortgage pools
Mortgage credits, total	422.0	731.3	1,084.8	1,211.8	1,317.4	1,388.8	517.9	382.7	88.3	138.6	148.2	148.6
Construction loans	18.3	41.4	54.2	80.4	82.8	87.8	18.3	38.9	1.0	.8	2.6	-
1-4 unit family homes	5.4	12.9	26.2	28.8	28.4	25.5	11.5	12.8	.8	-	-	-
Multifamily residential	6.2	11.6	11.0	12.7	13.8	14.5	2.2	8.9	7	-	2.6	-
Nonresidential	6.5	16.9	16.9	20.1	22.4	27.8	4.6	20.4	.8	.8	-	-
Farm properties	.1	-	-	-	-	-	-	-	-	-	-	-
Long-term mortgage loans	388.5	678.8	988.8	1,140.7	1,241.8	1,319.0	483.4	237.7	97.1	134.5	137.7	148.6
1-4 unit family homes	288.9	434.5	677.8	788.1	857.2	908.9	424.6	155.0	67.9	18.9	70.7	188.1
FHA insured	81.9	87.8	80.8	95.3	104.9	112.8	10.7	4.1	9.7	4.1	23.4	51.7
VA guaranteed	37.2	58.9	75.3	85.5	91.1	84.5	14.2	2.4	10.3	2.5	12.8	48.9
Conventional	167.8	308.9	521.5	605.3	661.2	701.5	388.7	148.5	47.9	10.2	34.5	33.6
Multifamily	45.8	61.9	100.9	108.4	113.9	118.1	25.6	7.1	14.2	18.9	18.7	8.2
Nonresidential	88.4	128.4	171.3	186.5	204.9	217.7	32.6	67.3	15.0	86.7	6.4	.1
Farm properties	20.3	33.6	48.9	57.7	65.7	74.3	.4	8.3	-	12.1	43.8	7.2
Land loans	4.2	11.1	10.9	11.7	13.0	12.2	8.1	5.0	.2	.3	-	-

- Represents zero. ¹ Includes lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *The Supply of Mortgage Credit, 1970-1978*; and monthly and quarterly press releases based on *Survey of Mortgage Lending Activity*.

NO. 842. MORTGAGE DEBT OUTSTANDING, AND DELIQUENCY RATE: 1960 TO 1982

(In billions of dollars, except rate. As of Dec. 31 except as noted. Includes Puerto Rico and Guam. See also *Historical Statistics, Colonial Times to 1970*, series N 273 and N 276)

TYPE OF PROPERTY, HOLDER, AND LOAN TYPE	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, ¹ <i>prel.</i>	1982, ¹ <i>prel.</i>
Mortgage debt, total	207	333	474	743	802	889	1,021	1,199	1,327	1,444	1,545	1,599
Residential nonfarm	162	258	358	549	591	661	766	866	1,009	1,099	1,182	1,172
1- to 4-family homes	142	220	298	449	491	555	655	765	880	961	1,021	1,029
Savings and loan assns.	56	94	125	201	224	261	311	358	394	420	433	430
Commercial banks	19	30	42	75	77	86	105	128	149	160	173	175
Mutual savings banks	21	34	42	49	50	53	58	62	66	67	68	67
Life insurance companies	25	30	27	19	18	13	15	14	18	18	17	17
Federal agencies	7	8	22	33	38	36	36	44	53	61	67	68
Individuals and others	15	28	38	72	84	104	121	160	201	234	263	271
5 or more units	20	37	60	100	101	105	112	121	128	137	141	143
Commercial	32	54	86	147	159	171	190	212	236	258	281	284
Farm	13	21	30	46	51	57	64	71	83	92	102	104
Delinquency rate, 1- to 4-unit residential mortgage loans ²	2.46	2.10	2.12	4.22	4.37	4.88	4.54	4.57	4.62	4.86	5.24	5.26
Conventional loans	1.55	1.79	1.73	2.50	2.71	2.61	2.75	2.88	2.77	3.06	3.26	3.52
VA loans	2.95	3.40	3.01	3.95	4.16	4.42	4.37	4.52	4.61	5.33	5.67	5.77
FHA	2.27	3.36	3.85	5.39	5.44	5.75	5.84	6.01	6.20	6.55	6.80	6.92

¹End of 1st quarter. ²Number of loans delinquent 30 days or more as of percentage of mortgage loans in survey. Annual average quarterly figures.

Source: Mortgage debt, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly; and delinquency rate, Mortgage Bankers Association, Washington, D.C., *National Delinquency Survey*, quarterly.

NO. 843. MORTGAGE ACTIVITY OF BANKS, INSURANCE COMPANIES, AND SAVINGS AND LOAN ASSOCIATIONS. 1960 TO 1981

(In billions of dollars. Loans outstanding are as of end of year. Bank and savings and loan data include Puerto Rico. See *Historical Statistics, Colonial Times 1970*, series N 266-267, X 636-639, and X 911)

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Commercial banks:												
Loans outstanding ¹	28.6	49.7	73.3	119.1	132.1	136.2	151.3	177.8	212.7	249.8	282.3	282.7
Nonfarm residential	20.4	32.4	45.6	74.9	82.4	82.9	94.3	111.7	136.3	156.1	170.2	161.7
FHA-insured	5.9	7.7	7.9	8.2	7.2	6.3	5.6	5.3	5.2	4.8	4.4	4.5
VA-guaranteed	2.9	2.7	2.6	3.3	3.2	3.1	3.0	3.0	2.6	2.7	2.4	2.4
Conventional	11.7	22.0	35.1	63.4	72.0	73.6	85.7	103.4	128.3	150.6	163.3	174.7
Other nonfarm	6.8	14.4	23.3	38.7	43.7	46.9	50.3	56.3	68.0	77.1	83.5	82.7
Farm	1.8	2.9	4.4	5.4	6.0	6.4	6.7	7.8	8.5	8.6	8.5	8.3
Mutual savings banks:												
Loans acquired	4.4	8.7	8.1	13.0	8.6	8.9	12.1	15.3	15.6	14.0	6.2	5.8
Loans outstanding ²	26.9	44.6	57.9	73.2	74.9	77.2	81.6	88.1	94.4	99.7	100.1	99.3
Nonfarm residential	24.3	40.1	49.9	61.1	62.1	63.9	67.8	72.9	78.5	83.7	83.9	83.4
FHA-insured	7.1	13.8	16.1	15.5	14.8	14.4	14.6	14.0	13.6	13.6	13.2	12.5
VA-guaranteed	9.0	11.4	12.0	12.9	12.7	12.4	12.3	12.0	11.9	11.4	10.8	10.3
Conventional	8.2	14.9	21.8	32.7	34.6	37.0	40.4	46.9	52.9	58.6	59.9	60.6
Other nonfarm	2.6	4.5	7.9	12.0	12.7	13.3	14.3	15.2	15.9	16.0	16.1	15.8
Life insurance companies:												
Loans acquired	6.1	15.1	6.6	10.7	10.5	6.8	9.0	13.3	16.9	19.6	18.3	13.0
Nonfarm	5.6	10.6	6.3	9.7	9.5	7.7	7.5	10.9	14.2	16.8	16.5	11.8
Farm	5	11	3	1.0	1.0	1.1	1.5	2.4	2.7	2.8	1.8	1.2
Loans outstanding	41.8	60.0	74.4	81.4	86.2	89.2	91.6	96.8	102.9	115.1	127.9	135.6
Nonfarm	38.8	55.2	68.7	75.4	79.9	82.4	84.1	87.9	92.4	103.0	115.0	122.5
FHA-insured	9.0	12.1	11.4	9.2	8.5	7.9	7.3	6.6	6.1	5.8	5.5	5.1
VA-guaranteed	8.9	6.3	5.4	4.4	4.2	3.9	3.6	3.3	3.2	3.0	2.8	2.6
Other	22.9	36.8	51.9	61.8	67.2	70.6	73.2	78.0	83.1	94.2	106.7	114.8
Farm	3.0	4.8	5.6	6.0	6.3	6.6	7.5	8.8	10.5	12.2	12.8	13.1
Savings and loan associations:												
Loans made ³	14.3	29.8	25.8	60.0	47.8	62.6	90.7	123.8	128.2	116.9	86.7	83.1
Loans outstanding ⁴	60.1	110.3	150.3	231.7	249.3	278.6	323.0	361.2	432.9	475.8	502.8	517.8
FHA-insured	3.5	5.1	10.2	15.1	14.5	16.5	14.7	13.9	13.2	13.0	12.8	12.0
VA-guaranteed	7.2	6.4	6.5	14.7	15.3	14.0	16.6	16.2	15.8	15.6	15.0	14.2
Conventional	49.3	98.8	131.7	202.0	219.4	248.0	291.7	351.0	403.9	447.2	475.0	491.7

¹Includes loans held by nondeposit trust companies; excludes holdings of trust departments of commercial banks. ²Includes a small amount of farm loans not shown separately. ³Includes Guam. ⁴Includes shares pledged against mortgage loans, and beginning 1970, junior liens and real estate sold on contract.

Source: U.S. Department of Housing and Urban Development, *The Supply of Mortgage Credit, 1970-1978*; and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

No. 844. CONSUMER CREDIT: 1960 TO 1982

[In billions of dollars, except percent. Estimated amounts of credit outstanding as of end of year or month; extended and repaid, for entire year or month. See also *Historical Statistics, Colonial Times to 1970*, series X 551-580]

TYPE OF CREDIT	1960	1965	1970	1973	1975	1976	1977	1978	1979	1980	1981	1982, May
Credit outstanding	95.2	103.2	143.1	203.1	213.4	233.1	249.8	299.2	337.9	377.9	365.2	409.5
Ratio to disposable personal income ¹ (percent) ..	18.5	21.7	20.6	22.2	21.4	20.4	20.8	22.0	22.9	22.8	21.1	20.2
Installment	45.1	73.9	105.5	155.1	184.6	172.0	193.5	230.6	273.6	312.0	313.5	333.4
Automobile paper	18.1	29.4	36.3	53.6	54.3	57.2	67.7	82.9	101.6	116.4	116.6	126.4
Revolving	(NA)	(NA)	5.1	11.7	13.7	15.0	17.2	39.3	48.3	57.0	58.4	63.1
Mobile home paper	(NA)	(NA)	2.5	13.6	14.6	14.4	14.6	15.0	15.2	16.6	17.3	18.5
All other loans	27.0	44.5	61.6	76.0	82.0	85.3	94.1	93.4	108.5	121.9	121.0	125.4
Noninstallment	20.1	29.3	37.6	48.0	48.8	51.1	55.4	58.6	64.3	65.0	71.7	76.1
Single-payment loans	9.1	15.5	19.3	27.3	26.8	27.4	26.8	32.8	35.8	35.8	40.0	42.4
Charge accounts	7.2	8.3	9.2	10.7	11.2	11.7	13.2	11.0	12.0	12.6	13.1	14.4
Service credit	3.7	5.5	9.1	10.0	10.9	12.0	13.4	14.8	16.4	16.4	18.6	23.3
Installment credit:												
Extended	60.8	78.9	115.1	173.0	172.8	180.1	210.7	257.6	297.7	324.8	306.1	338.3
Liquidated	47.0	71.6	110.4	152.6	163.3	172.7	189.2	222.1	254.5	286.4	304.6	318.5
Net change	3.8	8.3	4.7	20.2	9.5	7.4	21.8	35.5	43.1	38.4	1.4	19.9
Ratio: Liquidations to disposable income ^{1,2} (percent)	13.3	16.0	15.9	16.7	16.4	15.8	15.8	17.0	17.4	17.4	16.7	15.7
Life insurance policy loans ³ ..	5.2	7.7	16.1	20.2	22.9	24.5	25.8	27.8	30.1	34.8	38.9	48.7
Delinquency rate, bank installment loans ⁴ ..	1.93	1.81	2.14	2.53	3.13	2.77	2.57	2.62	2.71	2.93	2.82	2.81

NA: Not available. ¹ See table 703. ² Seasonally adjusted. ³ Source: American Council of Life Insurance, Washington, D.C. Figures are annual statement asset values. These loans are not included in "Credit outstanding." ⁴ Number of closed end (excluding revolving credit and bank cards) loans delinquent 30 days or more as a percentage of total installment loans outstanding. Source: American Bankers Association, Washington, D.C., *Delinquency Rates on Bank Installment Loans*. ⁵ March.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 845. CONSUMER INSTALLMENT CREDIT OUTSTANDING, BY HOLDER: 1960 TO 1982

[In billions of dollars. As of end of year or month. Estimated]

HOLDER	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, May
Total	45.0	73.9	105.5	155.1	164.6	172.0	193.5	230.6	273.6	312.0	313.5	333.4	328.3
Commercial banks	16.7	31.6	46.7	75.9	80.1	82.9	93.7	112.4	136.1	154.2	147.0	149.3	146.1
Finance companies	15.4	23.9	27.6	35.4	36.1	36.0	38.9	44.9	54.3	68.3	78.8	89.8	92.0
Credit unions	3.9	7.9	13.0	19.6	21.9	25.7	31.2	37.6	44.3	48.5	44.0	46.0	45.5
Retailers ¹	6.3	9.8	13.9	16.6	18.1	16.2	19.3	23.5	26.0	26.1	26.5	29.6	26.5
Other ²	7	11	2.3	7.6	8.4	9.2	10.5	12.2	13.0	14.9	17.2	18.6	19.2

¹ Excludes 30-day charge credit held by retailers, oil and gas companies, and travel and entertainment companies.

² Includes mutual savings banks, savings and loan associations, and gasoline companies.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 846. INSTALLMENT CREDIT—FINANCE RATES ON SELECTED TYPES OF CREDIT FOR COMMERCIAL BANKS AND FINANCE COMPANIES, 1972 TO 1982

[Percent per year. Annual averages, except as indicated. Commercial bank rates are "most common" rates for direct loans with specified maturities; finance company rates are weighted averages for purchased contracts, except personal loans]

TYPE	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, May
Commercial banks:											
New automobiles (36 months)	10.05	10.21	10.97	11.36	11.07	10.92	11.02	12.02	14.30	16.54	17.20
Mobile homes (84 months)	10.78	10.84	11.45	11.82	11.75	11.84	12.09	12.77	14.96	17.45	18.23
Other consumer goods (24 months)	12.46	12.60	12.99	13.08	13.02	12.97	13.19	13.85	15.47	18.09	18.90
Personal loans (12 months)	12.66	12.83	13.26	13.41	13.30	13.39	13.81	14.09	15.66	18.47	19.42
Credit-card plans	17.21	17.21	17.21	17.16	17.05	16.88	17.03	17.03	17.31	17.78	18.41
Finance companies:											
New automobiles	11.90	12.06	12.61	13.12	13.17	13.14	13.14	13.48	14.84	15.91	14.78
Used automobiles	16.53	16.70	17.19	17.84	17.63	17.62	17.83	17.95	19.10	19.86	20.84
Mobile homes	12.42	12.78	13.29	13.63	13.44	13.58	13.43	13.64	15.47	16.89	19.01
Other consumer goods	19.35	18.87	19.09	19.78	19.51	19.21	19.04	19.08	20.81	18.11	22.74
Personal loans	21.09	20.81	20.74	20.97	21.04	20.54	20.52	20.49	21.13	21.66	22.98

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, and *Annual Statistical Digest*.

NO. 847. MONEY STOCK AND MONEY IN CIRCULATION: 1960 TO 1981

[In billions of dollars, except as indicated. Prior to 1970, as of June 30; thereafter, as of Dec. 31. See *Historical Statistics, Colonial Times to 1970*, series X 423, for money in circulation]

KIND OF MONEY	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total money stock	111.1	150.2	188.1	255.9	313.0	321.1	400.1	411.9	424.7	438.5	454.0	468.8
Percent gold	45.6	27.7	15.5	13.5	12.5	12.6	11.8	10.5	9.4	8.1	7.3	6.8
Buff and coin, total	24.2	17.1	17.1	19.7	20.3	21.2	21.8	22.4	22.8	23.7	24.4	25.0
Gold ¹	19.3	13.9	10.6	11.6	11.7	11.6	11.6	11.7	11.7	11.2	11.2	11.2
Cupronickel-clad dollars	-	-	-	.9	.3	.5	.8	.6	.7	1.4	1.5	1.5
Subsidiary and minor coin	2.1	3.2	6.0	7.8	7.8	8.6	9.2	9.6	10.1	10.6	11.2	11.8
Other ²	2.7	1.8	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
Paper currency, net	39.8	48.0	61.5	77.7	84.3	82.5	88.9	101.1	113.4	125.9	140.8	151.6
Federal Reserve notes and bank notes	28.5	37.4	53.8	68.2	75.2	81.9	89.4	100.6	112.9	125.4	140.3	151.1
Gold certificates, net ³	6.5	7.4	7.1	8.9	8.6	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Other	2.8	1.2	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
Money in circulation	32.1	39.7	57.1	72.5	79.7	86.5	93.7	103.6	114.8	125.6	137.2	146.8
Per capita (dol.)	177	204	276	343	375	403	433	477	522	568	600	630

- Represents zero. Z Less than \$50 million. ¹Valued at \$35 per fine ounce until May 7, 1972; valued at \$38 per fine ounce until October 16, 1973; \$42 thereafter. Excludes gold deposited with U.S. by International Monetary Fund from September 1965 to February 1972. ²Includes standard silver dollars. ³Includes gold certificates outside Treasury, credits payable in gold certificates, and redemption fund for Federal Reserve notes. ⁴Beginning 1975, not comparable with earlier years because of decision by Federal Reserve Banks to pledge substantially all gold certificates against Federal Reserve notes outstanding.

Source: U.S. Dept. of the Treasury, 1960-1980, *Statistical Appendix to the Annual Report of the Secretary of the Treasury on the State of the Finances*; thereafter, *Monthly Statement of United States Currency and Coin*, Form 1028; and unpublished data.

NO. 848. MONEY IN CIRCULATION, BY DENOMINATION: 1960 TO 1981

[In millions of dollars. As of December 31]

DENOMINATION	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total ¹	32,809	42,068	57,088	72,467	79,743	86,547	93,717	103,811	114,846	125,808	137,244	146,868
Coin and small currency	23,821	29,842	39,639	48,288	51,806	54,865	57,845	62,543	66,893	70,893	75,088	78,517
Coin	2,427	4,027	6,281	7,759	8,332	8,959	9,483	10,071	10,739	11,658	12,419	13,084
\$1 ²	1,833	1,906	2,310	2,639	2,720	2,809	2,858	3,038	3,194	3,308	3,489	3,613
\$2	68	127	136	135	135	135	637	650	661	671	677	680
\$5	2,246	2,616	3,161	3,614	3,718	3,841	3,905	4,190	4,393	4,549	4,835	4,787
\$10	6,691	7,794	9,170	10,226	10,503	10,777	10,775	11,361	11,661	11,894	11,924	11,824
\$20	10,536	13,389	18,581	23,915	26,197	28,344	29,967	33,233	36,045	36,613	40,739	42,519
Large currency	9,348	12,211	17,454	24,210	28,157	31,681	36,072	41,299	47,942	54,907	62,362	68,048
\$50	2,815	3,540	4,896	6,514	7,444	8,157	9,026	10,079	11,278	12,585	13,731	14,889
\$100	5,954	8,136	12,084	17,288	20,298	23,139	26,888	30,818	36,306	41,980	49,284	53,907
\$500	249	245	215	185	179	175	172	169	167	184	183	181
\$1,000	316	298	252	218	209	204	200	197	194	192	189	187
\$5,000	3	3	3	2	2	2	2	2	2	2	2	2
\$10,000	4	4	4	4	4	4	4	4	4	4	3	3

¹Outside Treasury and Federal Reserve banks. ²Paper currency only; \$1 silver coins reported under coin.

Source: 1960-1973, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly; thereafter, U.S. Dept. of the Treasury, *Monthly Statement of United States Currency and Coin*, Form 1028.

NO. 849. BANK DEBITS AND DEPOSIT TURNOVER: 1970 TO 1982

[Annual averages of monthly data, except as indicated]

ITEM	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, May ¹
Debits to demand deposits (bil. dol.):											
All commercial banks	11.9	18.9	22.9	25.0	29.2	34.4	40.3	49.6	63.0	80.1	87.5
Major New York City banks	4.0	8.8	8.4	9.7	11.5	13.9	15.0	16.5	25.2	33.6	37.4
Other banks	7.9	12.1	14.5	15.4	17.7	20.5	25.3	31.3	37.8	46.4	50.1
Demand deposit turnover rate: ²											
All commercial banks	63.3	84.6	86.9	105.3	116.7	129.2	139.9	163.5	201.6	281.4	315.8
Major New York City banks	170.0	274.0	321.3	366.9	411.7	503.3	542.0	648.2	813.7	1,100.5	1,292.8
Other banks	47.0	61.2	70.5	72.9	79.7	85.9	96.7	113.3	134.3	182.8	202.0

¹Seasonally adjusted. ²Computed by dividing debits during a period (converted to an annual rate) by average deposits against which debits are made; indicates number of times a deposit dollar is used during the period.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 850. MONEY STOCK MEASURES AND COMPONENTS: 1960 TO 1982

[In billions of dollars, except percent. As of December, except as indicated. Seasonally adjusted averages of daily figures. See *Historical Statistics, Colonial Times to 1970*, series X 410-417 for similar data.]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, May
Measures: ¹												
M1	142	170	217	277	291	310	336	363	389	415	441	451
M2	312	480	829	911	1,027	1,171	1,298	1,404	1,519	1,658	1,822	1,895
M3	314	481	875	1,084	1,186	1,305	1,465	1,629	1,779	1,983	2,188	2,275
L	409	585	917	1,250	1,377	1,531	1,724	1,939	2,154	2,370	2,641	(NA)
Components:												
Currency	29	36	49	68	74	81	89	97	108	118	123	127
Demand deposits	113	133	186	207	214	224	240	264	282	287	296	233
Traveler's checks	(Z)	1	1	2	2	3	3	4	4	4	4	4
Other checkable deposits ²	(Z)	(Z)	(Z)	(Z)	1	3	4	6	17	27	77	87
Savings deposits	159	257	259	338	388	452	480	480	422	399	344	351
Small denomination time deposits ³	13	35	154	290	341	397	454	534	653	752	855	894
Large denomination time deposits ⁴	2	21	45	144	130	118	145	195	222	258	300	320
Short-term Treasury securities	37	41	49	54	77	81	90	99	129	157	176	(NA)
Savings bonds	48	50	52	63	67	72	76	80	80	72	68	(NA)
Money market mutual fund shares ⁵	(NA)	(NA)	(NA)	2	3	4	4	10	43	76	185	198
Commercial paper	6	10	35	50	48	52	83	79	97	98	104	(NA)
Bankers' acceptances	1	2	3	11	8	9	12	21	27	32	40	(NA)
Term repurchase agreements (RP's) ⁶	(NA)	(NA)	1	8	9	15	21	28	30	38	35	33
Overnight repurchase agreements (RP's) ⁷	(NA)	(NA)	1	7	6	14	18	22	23	31	31	35
Term Eurodollars ⁸	1	2	2	8	10	13	19	30	43	55	86	(NA)
Overnight Eurodollars ⁹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1	2	4	5	7	7
Annual percent change: ¹⁰												
M1	7	4.7	5.2	4.4	4.9	6.7	5.1	8.3	7.1	6.6	6.4	5.4
M2	4.9	8.1	8.3	5.6	12.7	14.1	10.6	8.2	8.2	9.0	10.0	9.8
M3	5.2	9.2	9.9	6.4	9.6	11.9	12.2	11.2	9.2	10.3	11.4	9.5
L	9.9	8.1	6.7	8.9	10.1	11.2	12.6	12.4	11.1	10.1	11.4	(NA)

NA Not available. Z Less than \$500 million. ¹ M1 is currency plus demand deposits plus traveler's checks of nonbank issuers plus other checkable deposits at banks and thrift institutions; M2 is M1 plus overnight RP's and Eurodollars, balances of money market mutual fund shares, and savings and small time deposits at commercial banks and thrift institutions; M3 is M2 plus large time deposits and term RP's at commercial banks and thrift institutions (general purpose and broker/dealer) and balance of institutions—only money market mutual funds; and L is M3 plus other liquid assets such as term Eurodollars, savings bonds, short-term Treasury securities, bankers' acceptances, and commercial paper. ² Not seasonally adjusted. ³ Issued in amounts of less than \$100,000. Includes retail repurchase agreements. ⁴ Issued in amounts of \$100,000 or more and are net of holdings of domestic banks, thrift institutions, the U.S. Government, money market mutual funds, and foreign banks and official institutions. ⁵ From previous year shown; for 1980, from 1980. For definition of average annual percent change, see Guide to Tabular Presentation.

NO. 851. TIME AND SAVINGS DEPOSITS HELD BY INSURED COMMERCIAL BANKS—DEPOSITS AND INTEREST RATES: 1976 TO 1982

TYPE OF DEPOSITS	OUTSTANDING BALANCES (bil. dol.)					AVERAGE OF MOST COMMON RATE PAID ¹				
	1976, July	1978, July	1980, July	1981, July	1982, Jan.	1976, July	1978, July	1980, July	1981, July	1982, Jan.
Total time and savings deposits ²	576.4	626.1	686.2	693.7	677.1	5.85	6.25	6.84	(NA)	(NA)
Savings	220.6	217.5	204.1	202.0	219.0	4.93	5.15	5.19	5.21	5.23
Club accounts	2.1	2.2	2.2	2.2	.9	(NA)	(NA)	(NA)	4.04	4.36
Fixed ceiling time deposits, less than \$100,000 ³	158.0	142.9	94.3	62.5	47.8	(NA)	(NA)	(NA)	(NA)	(NA)
Domestic governmental units	(NA)	(NA)	(NA)	1.9	2.0	(NA)	(NA)	(NA)	(NA)	(NA)
Other than domestic governmental units	(NA)	(NA)	(NA)	60.6	45.8	(NA)	(NA)	(NA)	(NA)	(NA)
IRA and Keogh plan time deposits	2.8	4.5	5.3	6.7	6.7	7.62	7.86	8.43	10.31	13.14
With maturities of 3 years or more or variable ceiling rates	2.6	4.5	5.3	6.7	7.2	7.62	7.86	8.43	10.31	13.14
Ceiling-free IRA's with maturities of 1½ years	(NA)	(NA)	(NA)	(NA)	1.5	(NA)	(NA)	(NA)	(NA)	14.17
All savers certificates, tax exempt, with maturities of exactly 1 year	(NA)	(NA)	(NA)	(NA)	19.7	(NA)	(NA)	(NA)	(NA)	(NA)
Money market certificates, \$10,000 or more with maturities of exactly 6 months ⁴	5.4	64.2	147.9	217.9	218.8	7.42	9.25	8.18	15.06	13.87
Small savers certificates, less than \$100,000 with maturities of 2½ years or more	(NA)	(NA)	21.7	35.9	59.6	(NA)	(NA)	9.17	11.74	13.76
Interest-bearing time deposits of \$100,000 or more	174.0	174.0	205.4	272.2	296.8	(NA)	(NA)	(NA)	(NA)	(NA)
Non-interest bearing time deposits	4.3	4.5	4.3	4.4	4.3	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹ The most common interest rate paid is based on the largest dollar volume of new deposits in the two-week period just preceding the survey date for all deposit categories, except money market certificates and small savers certificates, which are based on the single week ending on the survey date. ² Includes other types of deposits not shown separately. ³ Excludes IRA and Keogh plan accounts, all savers certificates, money market certificates, and small savers certificates. ⁴ Excludes accounts held in IRA and Keogh plans.

Source of tables 850 and 851: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 852. MONEY MARKET INTEREST RATES: 1960 TO 1982

[Percent per year. Annual averages of monthly data, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series X 444-483]

TYPE	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, Jan.- May ¹
Federal funds, effective rate	3.22	4.07	7.18	10.50	5.82	5.04	5.54	7.93	11.19	13.36	16.36	14.41
Commercial paper, 3-month ²	(NA)	(NA)	(NA)	10.01	6.25	5.24	5.55	7.94	10.97	12.88	15.32	13.78
Prime rate charged by banks	4.82	4.54	7.91	10.81	7.86	6.84	6.83	9.06	12.67	15.27	18.87	16.96
Eurodollar deposits, 3-month	(NA)	(NA)	6.52	11.04	7.03	5.58	6.03	8.78	11.98	14.00	16.79	14.83
Finance paper, 3-month ³	3.54	4.21	7.18	8.65	6.15	5.20	5.49	7.60	10.47	11.49	14.06	13.00
Bankers acceptances, 90-day ⁴	3.51	4.22	7.31	9.89	6.28	5.16	5.60	8.11	11.04	12.78	15.32	13.70
Large negotiable certificates of deposit, 3-month, sec- ondary market	(NA)	4.35	7.56	10.24	6.44	5.27	5.64	8.22	11.22	13.07	15.91	14.19
Federal Reserve discount rate ⁵	3-4	4-4½	5½-6	7½-8	6-7½	5½-6	5½-6	6-6½	9½-12	10-13	12-14	12
U.S. Government securities: ⁶												
3-month Treasury bill	2.67	3.95	6.39	7.63	5.77	4.97	5.27	7.19	10.07	11.43	14.03	12.66
6-month Treasury bill	3.20	4.06	6.48	7.94	6.09	5.25	5.53	7.58	10.08	11.37	13.80	12.84
1-year Treasury bill	3.41	4.06	6.48	7.70	6.26	5.52	5.71	7.74	9.75	10.89	13.14	12.58
Prime 1-year municipal ⁷	2.05	2.35	4.35	4.75	3.91	3.12	2.91	4.15	5.34	6.29	7.92	*7.75

NA Not available. ¹Monthly average. ²Averages of daily offering rates of dealers. ³Placed directly, averages of daily offering rates quoted by finance companies. ⁴Averages of the most representative daily offering rates of dealers. Beginning Aug. 15, 1974, closing rates were used, and from Jan. 1, 1981, rates of top-rated banks only. ⁵Federal Reserve Bank of New York, low and high. The discount rates for 1980 and 1981 do not include the surcharge applied to frequent borrowings by large institutions. The surcharge reached 3 percent in 1980 and 4 percent in 1981. Surcharge was eliminated in Nov. 1981. ⁶Averages based on daily closing bid yields in secondary market, bank discount basis. ⁷Averages based on quotations for one day each month. Source: Salomon Brothers, Inc., New York, N.Y., *An Analytical Record of Yields and Yield Spreads*. ⁸Jan.-June 1982.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, and *Annual Statistical Digest*.

NO. 853. FEDERAL RESERVE BANK OF NEW YORK—DISCOUNT RATES: 1973 TO 1982

[Percent per year. See also *Historical Statistics, Colonial Times to 1970*, series X 454-455]

EFFECTIVE DATE	RATE	EFFECTIVE DATE	RATE	EFFECTIVE DATE	RATE	EFFECTIVE DATE	RATE	EFFECTIVE DATE	RATE
1973: Jan. 15.....	6	1975: Jan. 10.....	7½	1976—Con.		1978—Con.		1980—Con.	
Feb. 26.....	5½	Feb. 5.....	6½	May 11.....	7	Sept. 18.....	11	Dec. 5.....	13
May 4.....	5½	Mar. 10.....	6½	July 3.....	7½	Oct. 8.....	12	1981: May 5.....	14
May 11.....	6	May 16.....	6	Aug. 21.....	7½	1980: Feb. 15.....	13	Nov. 2.....	13
June 11.....	6½	1976: Jan. 19.....	6½	Sept. 22.....	8	May 30.....	12	Dec. 4.....	12
July 2.....	7	Nov. 22.....	5½	Oct. 18.....	8½	June 13.....	11	In effect June	
Aug. 14.....	7½	1977: Aug. 31.....	5½	Nov. 1.....	9½	July 26.....	10	30, 1982.....	12
1974: Apr. 25.....	8	Oct. 28.....	6	1979: July 20.....	10	Sept. 26.....	11		
Dec. 9.....	7½	1979: Jan. 9.....	6½	Aug. 17.....	10½	Nov. 17.....	12		

¹See table 852, footnote 5.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 854. BANK EFFECTIVE INTEREST RATES FOR COMMERCIAL AND INDUSTRIAL LOANS, CONSTRUCTION AND LAND DEVELOPMENT LOANS, AND FARM LOANS, BY SIZE OF LOAN: 1980 TO 1982

[In percent. Represents loans made during the first full business week in May. Based on a stratified random sample of member banks of the Federal Reserve System and nonmember banks, totaling approximately 340 banks]

TYPE AND SIZE OF LOAN	1980	1981	1982	TYPE AND SIZE OF LOAN	1980	1981	1982
Commercial and industrial loans:				Construction and land development loans			
Short-term	17.75	18.96	17.11	\$1,000 to \$24,999	18.32	18.09	17.89
\$1,000 to \$24,999	17.90	19.45	18.51	\$1,000 to \$24,999	17.14	19.63	19.13
\$25,000 to \$49,999	19.79	19.87	18.58	\$25,000 to \$49,999	18.66	19.06	18.81
\$50,000 to \$99,999	19.96	19.10	18.08	\$50,000 to \$99,999	18.89	18.10	17.87
\$100,000 to \$499,999	18.49	19.83	17.77	\$100,000 to \$499,999	19.56	20.74	18.45
\$500,000 to \$999,999	19.13	19.56	17.88	\$500,000 and over	18.96	19.36	18.98
\$1 million and over	17.10	20.14	18.94				
Long-term	18.37	19.26	18.98	Farm loans	17.36	17.89	17.77
\$1,000 to \$99,999	18.28	19.22	18.80	\$1,000 to \$9,999	16.48	17.50	17.89
\$100,000 to \$499,999	18.64	19.34	17.69	\$10,000 to \$24,999	16.96	17.59	17.59
\$500,000 to \$999,999	18.62	19.46	17.29	\$25,000 to \$49,999	17.10	17.67	17.58
\$1 million and over	18.30	19.23	18.69	\$50,000 to \$99,999	17.38	17.78	18.01
				\$100,000 to \$249,999	17.40	17.97	17.76
				\$250,000 and over	18.14	18.46	17.91

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 855. BOND YIELDS, STOCK YIELDS, AND MORTGAGE RATES: 1960 TO 1981

[Percent per year. Annual averages of monthly data, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series X 474-491]

TYPE	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
U.S. Treasury constant maturities: ¹												
3-year	3.99	4.22	7.29	6.96	7.62	7.49	6.77	6.69	6.29	9.72	11.55	14.44
5-year	4.09	4.25	7.38	6.87	7.80	7.77	7.16	6.99	6.32	9.52	11.48	14.24
10-year	4.12	4.28	7.35	6.84	7.56	7.99	7.61	7.42	6.41	9.44	11.46	13.91
20-year	4.06	4.27	6.86	7.12	6.05	6.19	7.86	7.67	6.48	9.33	11.39	13.72
U.S. Govt., 3-5 year issues ²	3.99	4.22	7.37	6.92	7.61	7.55	6.94	6.85	6.30	9.58	(NA)	(NA)
U.S. Govt. long-term bonds ^{2,3}	4.01	4.21	6.58	6.30	6.96	6.98	6.76	7.06	7.89	8.74	10.61	12.67
State and local govt. bonds, Aaa ⁴	3.26	3.16	6.12	4.99	5.89	6.42	5.66	5.20	5.52	5.69	7.84	10.42
State and local govt. bonds, Baa ⁴	4.22	3.57	6.75	5.47	6.53	7.62	7.49	6.12	6.27	6.72	9.00	11.75
High-graded municipal bonds (Standard & Poor's) ⁵	3.73	3.27	6.51	5.16	6.09	6.69	6.49	5.56	5.90	6.39	8.51	11.29
Municipal (Bond Buyer 20 bonds) ⁶	3.52	3.27	6.35	5.19	6.17	7.05	6.64	5.69	6.03	6.52	8.59	11.39
Corporate Aaa seasoned ⁴	4.41	4.49	6.04	7.44	6.57	6.63	6.43	6.02	6.73	6.63	11.94	14.17
Corporate Baa seasoned ⁴	5.19	4.87	6.11	8.24	6.50	10.61	9.75	8.97	9.48	10.69	13.67	16.04
Corporate Aaa utility bonds ⁴	4.73	4.57	6.72	7.67	6.01	9.17	8.46	8.12	8.90	9.92	12.68	15.65
Corporate, by years to maturity: ⁷												
5 years	4.73	4.29	6.10	6.65	7.47	7.70	7.96	7.25	7.75	9.40	12.80	13.25
10 years	4.60	4.33	6.00	7.05	7.67	8.00	8.18	7.60	7.96	9.35	12.40	13.00
20 years	4.55	4.35	7.60	7.20	7.60	8.35	8.30	7.75	8.20	9.06	12.30	13.00
30 years	4.55	4.37	7.60	7.20	7.60	8.35	8.30	7.95	8.25	9.10	12.30	13.00
Corporate (Moody's) ⁸	4.73	4.64	6.51	7.80	6.03	9.57	9.01	8.43	9.07	10.12	12.75	15.06
Industrials (40 bonds)	4.58	4.61	6.26	7.60	6.78	9.25	8.84	8.28	8.90	9.85	12.35	14.50
Railroads (23 bonds)	4.92	4.72	6.77	6.12	6.98	9.39	8.85	8.13	8.84	9.60	11.48	13.22
Public utilities (40 bonds)	4.68	4.60	6.69	7.63	9.27	9.68	9.17	8.56	9.22	10.39	13.15	15.62
Stocks (Standard & Poor's) ⁹												
Preferred (10 stocks) ¹⁰	4.75	4.33	7.22	7.23	6.24	6.36	7.96	7.61	6.25	9.11	10.60	12.36
Common: Composite (500 stocks)	3.47	3.00	3.83	3.06	4.47	4.31	3.77	4.62	5.28	5.47	5.26	5.20
Industrials (400 stocks)	3.36	2.94	3.62	2.79	4.13	3.96	3.48	4.43	5.06	5.20	4.65	4.60
Home mortgages: ¹¹												
FHA insured, secondary market	6.16	5.47	6.03	6.19	6.55	6.19	6.82	6.66	6.70	10.87	13.44	16.29
Conventional, new-home ¹²	(NA)	5.63	6.52	6.30	9.22	9.10	8.99	8.95	9.66	11.15	13.95	16.52
Conventional, existing-home ¹²	(NA)	5.89	6.56	6.33	9.23	9.14	9.04	9.00	9.70	11.16	13.95	16.55

NA Not available. ¹Yields on the more actively traded issues adjusted to constant maturities by the U.S. Treasury, based on daily closing bid prices. ²Unweighted averages for all outstanding notes and bonds in maturity ranges shown, based on daily closing bid prices. ³Includes all bonds rather than due or callable in less than 10 years. ⁴Source: Moody's Investors Service, New York, N.Y. ⁵Source: Standard & Poor's Corp., New York, N.Y., *Standard & Poor's Outlook*, weekly. ⁶Based on first trading day of each month, deferred call, new issue estimate. Source: Salomon Brothers, Inc., New York, N.Y., *An Analytical Record of Yields and Yield Spreads*. ⁷Source: Scudder, Stevens & Clark, New York, N.Y., unpublished data. ⁸Prior to Sept. 9, 1965, yields based on 14 stocks, 8 yields; thereafter, 10 stocks, 4 yields. Issues converted to a price equivalent to \$100 per and a 7 percent annual dividend before averaging. ⁹Averages based on quotations for 1 day each month as compiled by FHA. ¹⁰Primary market. ¹¹Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 856. SALES OF STOCKS AND OPTIONS ON REGISTERED EXCHANGES: 1960 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series X 517-530]

EXCHANGE	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
ALL EXCHANGES												
Market value, all sales ¹	Bil. dol.	47	93	196	125	167	263	196	299	323	522	633
Stocks: ² Market value	Bil. dol.	45	89	131	118	157	195	187	249	300	478	491
Shares	Million	1,389	2,587	4,539	4,846	5,231	7,036	7,023	9,483	10,850	15,486	15,910
Options: Market value	Mill. dol.	(NA)	(NA)	(NA)	(NA)	(NA)	11,734	10,899	19,703	22,660	45,789	41,696
Contracts	Million	(NA)	(NA)	(NA)	(NA)	(NA)	31	39	60	64	97	109
Rights and warrants:												
Market value	Mill. dol.	75	305	576	394	294	266	180	345	754	567	328
Number of units	Million	51	82	295	104	150	90	112	82	115	99	59
Option exercises: Value	Mill. dol.	(NA)	(NA)	(NA)	(NA)	(NA)	2,672	3,696	5,392	10,663	20,351	34,649
Shares	Million	(NA)	(NA)	(NA)	(NA)	(NA)	1	1	1	2	5	7
NEW YORK STOCK EXCHANGE												
Market value, all sales ¹	Bil. dol.	40	77	196	106	149	186	167	211	252	398	416
Stocks: ² Market value	Bil. dol.	38	73	103	99	134	165	157	210	251	396	416
Shares	Million	958	1,809	3,213	3,822	5,056	5,649	5,813	7,617	8,675	12,390	12,643
Rights and warrants:												
Market value	Mill. dol.	13	34	267	192	168	133	89	124	484	336	165
Number of units	Million	29	58	233	63	106	53	62	42	84	71	41
Sales by size: ³												
At 100 shares	Percent	(NA)	(NA)	51.7	45.3	41.4	38.1	35.6	32.6	31.6	21.0	29.2
At 200-999 shares	Percent	(NA)	(NA)	40.7	45.7	47.8	49.2	49.7	50.1	49.6	46.1	48.4
At 1,000 shares and over	Percent	(NA)	(NA)	6.4	9.0	10.8	12.7	14.6	17.0	18.6	19.9	22.4

NA Not available. ¹Includes bond sales through 1975, not shown separately. ²Includes voting trust certificates, American depositary receipts, and certificates of deposit for stocks. ³Sales printed on New York Stock Exchange. Source: New York Stock Exchange, Inc., New York, N.Y., *Fact Book*, annual.

Source: Except as noted, U.S. Securities and Exchange Commission, *SEC Monthly Statistical Review*.

No. 857. SECURITY PRICES AND VOLUME OF TRADING: 1965 TO 1981

(Annual averages of monthly figures, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series X 492-498)

CLASS OR ITEM	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Bond prices (dollars per \$100 bond):											
Standard & Poor's: Municipal ¹	110.6	72.3	85.4	76.3	88.9	72.5	81.3	77.9	73.4	57.4	43.3
Corporate AAA ¹	93.8	61.6	63.7	56.8	58.2	58.0	59.6	55.8	51.1	41.4	33.7
Stock prices:											
Standard & Poor's common index (500 stocks) (1941-43=10) ²	88.2	83.2	107.4	82.8	86.1	102.0	98.2	96.0	102.8	118.7	126.1
Industrial	83.5	91.3	120.4	82.9	95.6	114.4	105.4	106.3	114.8	134.5	144.3
NYSE Stock Exchange common stock index (Dec. 31, 1965=50), composite	47.4	45.7	57.4	43.8	45.7	54.6	53.7	53.7	56.3	68.1	74.0
Industrial	(NA)	48.0	63.1	48.1	50.5	60.4	57.8	58.3	64.8	78.6	85.4
Transportation	(NA)	32.1	37.7	31.9	31.1	39.6	41.1	43.3	47.3	60.5	72.8
Utility	(NA)	37.2	37.7	29.8	31.5	37.0	40.9	39.2	38.2	37.3	36.8
Finance	(NA)	54.6	70.1	49.7	47.1	52.9	55.2	56.7	61.4	64.3	73.6
American Stock Exchange Market Value Index (Aug. 31, 1973=100)	(NA)	86.83	103.80	79.97	83.06	101.83	116.18	144.37	195.53	300.94	343.58
Dow-Jones and Co. Inc., total (65 stocks) ³	318.5	243.9	286.7	237.3	247.3	303.9	301.7	293.8	293.5	328.2	364.8
Industrial (30 stocks)	310.9	753.2	923.8	759.4	802.8	874.9	894.8	820.2	844.4	891.4	932.9
Transportation (20 stocks)	216.4	152.4	180.8	164.1	163.4	214.0	225.2	222.6	237.8	307.2	368.6
Public utility (15 stocks)	157.9	108.8	109.4	75.8	79.6	92.3	111.0	104.8	104.8	110.4	108.6
Wishare 5000 equity index ⁴ (Dec. 31, 1960=1404.586)	(NA)	830.3	952.7	713.1	753.8	909.0	882.1	913.3	1,028.9	1,220.7	1,343.7
Standard & Poor's:											
Dividend-price ratio (percent)	(NA)	3.83	3.06	4.47	4.31	3.77	4.62	5.28	5.47	5.26	5.20
Earnings-price ratio (percent)	(NA)	8.45	7.12	11.60	9.14	8.50	10.79	11.96	13.46	12.98	11.83
Volume of trading:											
Value, NYSE ⁵ (bil. dol.)	(NA)	65.3	137.3	92.1	126.7	159.8	150.2	199.9	238.2	374.9	386.2
Average daily shares:											
NYSE ⁶ (mil.)	8.2	11.6	16.1	13.9	16.6	21.2	20.9	26.6	32.2	44.9	46.9
ASE ⁷ (1,000)	2,120	3,319	3,015	1,806	2,138	2,562	2,582	3,823	4,349	6,427	5,310

NA Not available. ¹ Derived from average yields on basis of assumed 4 percent, 20-year bond; Wednesday closing prices.² Effective July 1976, the index includes 400 industrial stocks (formerly 425), 20 transportation (formerly 15 rail), 40 public utility (formerly 60), and 40 financial stocks, not previously covered. ³ Source: U.S. Bureau of Economic Analysis. Based on stocks listed on the New York Stock Exchange. ⁴ Represents return on the market value of all common equity securities for which daily pricing is available. For 1970-1979, annual average of and of month figures; thereafter, annual average of daily figures. Source: Wishare Financial Services, Santa Monica, California, releases. ⁵ Represents Dec. 31, 1970. ⁶ Source: New York Stock Exchange, Inc., New York, N.Y., *Fact Book*, annual. ⁷ Source: American Stock Exchange, New York, N.Y., *Amer. Statistical Review*, annual.Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.No. 858. NEW CORPORATE SECURITIES OFFERED FOR SALE, BY TYPE OF SECURITY AND ISSUER:
1960 TO 1981(In millions of dollars. Estimated gross proceeds derived by multiplying principal amounts or number of units by offering prices. Covers substantially all new securities offered for cash sale in U.S. in amounts over \$100,000 and with terms of maturity of more than 1 year. Included are some unregistered securities offered privately for sale mainly to insurance companies as well as securities registered with the Securities and Exchange Commission under the terms of the Securities Act of 1933. See table 479 for new issues of State and local government securities. See also *Historical Statistics, Colonial Times to 1970*, series X 499-500 and X 505-506)

SECURITY AND ISSUER	1960	1969	1970	1974	1975	1976	1977	1978	1979	1980	1981
Total	10,184	14,762	37,481	37,729	52,539	62,280	51,836	48,616	53,086	78,998	72,863
Publicly offered	6,657	6,486	32,524	31,028	41,759	35,910	32,211	28,396	37,014	68,562	64,984
Bonds and notes	4,806	4,888	24,365	25,335	31,482	25,263	21,929	18,881	20,468	44,650	36,515
Preferred stock	220	380	1,310	1,745	3,086	2,363	2,421	1,759	1,965	3,184	2,222
Common stock	1,631	1,438	6,849	3,947	7,179	8,286	7,857	7,760	8,581	18,718	24,718
Privately placed	3,497	6,296	4,926	6,701	10,779	16,364	19,625	18,218	16,072	10,436	7,639
Bonds and notes	3,275	7,897	4,658	6,180	10,172	15,927	17,943	16,894	14,383	11,816	6,892
Preferred stock	186	384	60	511	371	451	1,495	1,077	1,562	439	166
Common stock	39	36	208	25	235	9	188	178	127	278	369
Issuer											
Manufacturing	2,152	5,414	10,847	10,408	18,651	15,493	13,754	11,062	11,552	14,388	17,306
Extractive	246	341	1,812	870	1,628	1,782	2,682	3,100	3,182	4,893	9,113
Electric, gas, water	2,851	2,894	11,009	12,837	15,894	14,415	13,706	12,253	13,736	18,841	14,888
Communication	1,060	846	5,291	3,930	5,884	5,172	3,342	3,640	4,894	7,401	6,159
Transportation	718	702	1,253	1,005	2,835	3,626	1,802	1,763	3,299	3,727	2,779
Financial and real estate	2,525	3,386	5,112	6,779	6,636	10,282	11,890	10,661	12,898	15,838	17,196
Commercial and other	612	1,080	2,328	1,802	2,429	3,148	3,784	3,839	3,744	6,898	5,388

Source: U.S. Securities and Exchange Commission, *SEC Monthly Statistical Review*.

NO. 859. SECURITIES LISTED ON N.Y. STOCK EXCHANGE: 1960 TO 1981

[As of December 31. NA Not available]

ITEM	Unit	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Bonds:													
Face value	Bl. dol.	116	142	135	142	201	334	401	497	509	526	602	661
Market value	Bl. dol.	108	132	113	121	255	315	402	480	465	480	506	574
Average price	Dollars	93.21	93.07	83.80	85.16	87.68	91.89	100.39	96.52	91.37	87.36	84.41	84.24
Stocks:													
Shares	Billion	6.5	10.1	15.1	21.0	21.7	22.5	24.5	26.1	27.6	30.0	33.7	36.3
Market value	Bl. dol.	307	537	636	721	511	665	858	797	823	811	1,243	1,144
Average price	Dollars	47.53	53.44	39.81	34.38	23.61	30.48	35.03	30.53	29.84	31.06	36.87	29.87
Cash dividends on common stock:													
Industrial	Bl. dol.	9.9	15.3	18.8	23.8	25.7	28.8	30.6	36.3	41.2	46.9	53.1	60.6
Transportation	Bl. dol.	(NA)	11.0	13.6	15.5	17.0	17.6	20.2	23.9	26.8	30.3	34.5	38.7
Utilities	Bl. dol.	(NA)	6	5	5	6	6	6	8	9	10	12	13
Finance	Bl. dol.	(NA)	3.3	4.5	5.6	6.0	6.7	7.7	9.0	10.7	12.2	13.3	15.8
	Bl. dol.	(NA)	5	1.1	2.1	2.1	1.9	2.1	2.6	2.9	3.5	4.2	4.9

Source: New York Stock Exchange, Inc., New York, N.Y., *Fact Book*, annual.

NO. 860. STOCK OWNERSHIP—CHARACTERISTICS OF SHAREOWNERS: 1959 TO 1981

[In thousands. Includes outlying areas, most members of the Armed Forces, citizens living abroad, and, except for income, minor children. Represents all publicly owned issues of common and preferred stocks. Based on national probability samples; see source for detailed explanation]

CHARACTERISTIC	1959	1970	1975	1980	1981	CHARACTERISTIC	1959	1970	1975	1980	1981
Total	12,490	30,850	25,270	30,200	32,380	Income:					
Male	5,740	15,689	12,898	15,686	17,120	Under \$5,000	3,518	2,369	780	1,742	2,164
Female	6,347	15,161	12,508	14,534	15,140	\$5,000-\$9,999	5,826	6,779	2,839	3,180	2,537
Age:						\$10,000-\$14,999	1,741	6,348	4,552	6,930	6,529
Under 21 years	197	2,221	1,818	2,308	2,321	\$15,000-\$24,999	689	7,670	8,778	11,823	12,090
21-34 years	2,444	4,500	2,836	6,407	7,653	\$25,000-\$49,999					
35-44 years	2,084	5,801	3,978	5,925	5,624	\$50,000 and over	314	4,114	1,216	3,982	5,457
45-54 years	2,800	7,556	5,875	5,456	5,439	Residence by SMSA size:					
55-64 years	2,886	6,084	5,099	5,144	6,144	Under 100,000	(NA)	175	328	204	206
65 years and over	2,113	4,330	5,800	4,589	5,079	100,000-249,999	(NA)	2,245	2,059	1,893	2,278
Education:						250,000-499,999	(NA)	2,686	2,891	2,921	3,146
High school:						500,000-999,999	(NA)	3,712	3,257	4,345	4,532
3 years or less	2,804	3,566	1,521	1,746	1,861	1,000,000 and over	(NA)	14,851	11,893	15,447	16,766
4 years	3,130	8,097	6,580	5,737	6,045	Nonmetropolitan areas	(NA)	6,913	4,976	5,400	5,306
College:											
1-3 years	2,587	5,867	5,301	9,353	10,093						
4 years or more	2,566	8,999	9,888	10,813	11,880						
Minors	197	2,221	1,818	2,308	2,321						

NA Not available. ¹ Includes small number of shareowners not distributed by breakdown. ² Persons 21 years old and over. ³ Shareowners whose stockholdings are registered in accordance with the Gifts to Minors Statutes. ⁴ Adult shareowners only. ⁵ SMSA—Standard metropolitan statistical area. For definition, see Appendix II.

Source: New York Stock Exchange, Inc., New York, N.Y., *Shareownership*, 1959, 1970, 1975, 1980, and 1981.

NO. 861. COMMODITY FUTURES TRADING ON U.S. EXCHANGES—VOLUME OF TRADING: 1960 TO 1981

[In thousands. Prior to 1972, for years ending June 30; thereafter, for years ending December 31]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Number of contracts traded	3,878	5,423	13,366	25,826	27,733	32,300	36,878	42,847	58,482	75,998	92,096	94,522
Grains and feeds ¹	2,411	5,697	5,977	9,997	13,420	14,595	17,261	19,668	22,365	27,695	36,337	32,306
Livestock and meat ²	8	778	2,574	5,119	4,829	5,680	5,325	5,666	9,680	11,802	11,639	9,378
Foods ³	1,289	1,722	3,458	4,949	4,154	3,682	3,868	5,181	5,149	5,825	6,659	7,255
Raw materials ⁴	169	208	351	1,514	1,465	1,809	2,776	2,753	3,399	4,618	5,598	4,805
Precious metals ⁵	(2)	17	995	3,820	3,826	6,376	7,209	8,232	13,983	17,896	13,171	15,690
Financial instruments ⁶	—	—	—	—	—	20	239	780	2,325	5,807	12,469	22,864
Currencies ⁷	—	—	1	425	241	226	196	686	1,581	2,222	4,223	6,122

— Represents zero. Z Less than 500. ¹Wheat, corn, oats, rye, soybeans, soybean meal, sunflower seeds, and grain sorghums. ²Cattle, feeder cattle, hogs, pork bellies, imported lean beef, broilers, and turkeys. ³Eggs, potatoes, coffee, cocoa, sugar, butter, orange juice, and edible oils. ⁴Lumber, stud lumber, plywood, cotton, wool, oil and petroleum products, copper, lead, mercury, zinc, nickel, rubber, and tin. ⁵Gold, silver, silver coins, platinum, and palladium. ⁶GNMA certificates; treasury bills, bonds, and notes; and commercial paper. ⁷Italian lira, Canadian dollars, French francs, Deutsche marks, Dutch guilders, British pounds, Japanese yen, Swiss francs, Belgian francs, and Mexican pesos.

Source: U.S. Commodity Futures Trading Commission, *Annual Report*. Data from Futures Industry Association, Washington, D.C.

NO. 862. MUTUAL FUNDS—NET ASSETS, SALES, AND REDEMPTIONS: 1960 TO 1981

[In billions of dollars, except number of funds. See also *Historical Statistics, Colonial Times to 1970*, series X 536-539]

TYPE OF FUND	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Number of funds	161	170	361	410	421	431	426	452	477	505	524	584	609
Assets ¹	17.0	35.2	47.6	59.8	46.5	35.8	45.8	51.0	48.5	55.8	94.5	134.7	241.4
Money market funds	(X)	(X)	(X)	(X)	(X)	1.7	3.6	3.4	3.5	10.9	45.2	74.4	181.9
Equity funds	16.8	32.6	45.1	55.9	43.0	30.9	37.5	36.2	34.1	32.7	35.9	44.4	41.2
Income and bond funds	.2	2.5	2.5	3.9	3.5	3.2	4.7	7.8	8.4	9.3	10.1	11.1	11.0
Municipal bond funds	(X)	(X)	(X)	(X)	(X)	(X)	(X)	.5	2.3	2.8	3.0	2.9	3.1
Sales ¹	2.1	4.4	4.8	4.9	4.4	5.3	10.1	13.7	17.1	37.2	119.3	247.5	472.2
Money market funds	(X)	(X)	(X)	(X)	(X)	2.2	6.8	9.4	10.7	30.5	111.9	232.2	451.9
Equity funds	1.9	3.9	4.2	4.3	3.9	2.6	2.8	2.7	2.4	2.8	3.1	5.6	6.0
Income and bond funds	.2	.4	.4	.8	.5	.5	.7	1.2	1.6	2.0	2.0	2.6	2.3
Municipal bond funds	(X)	(X)	(X)	(X)	(X)	(X)	(X)	.5	2.1	1.8	1.7	1.8	1.5
Redemptions ¹	.8	2.0	3.0	6.6	5.7	3.9	9.9	16.4	16.7	31.5	86.6	218.5	382.6
Money market funds	(X)	(X)	(X)	(X)	(X)	.6	6.9	9.6	10.7	24.3	78.4	204.5	348.7
Equity funds	.8	1.8	2.8	6.2	5.2	3.0	3.3	6.0	4.7	5.1	5.7	5.7	6.1
Income and bond funds	1	.2	.2	.4	.4	.3	.4	.8	.9	1.0	1.4	1.5	1.8
Municipal bond funds	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(2)	.5	1.1	.9	1.0	.8

X Not applicable. Z Less than \$50 million. ¹ Includes funds not shown separately.Source: Investment Company Institute, Washington, D.C., *Mutual Fund Fact Book*, annual.

NO. 863. U.S. LIFE INSURANCE COMPANIES—SUMMARY: 1960 TO 1981

[As of December 31 or calendar years as applicable. Covers domestic and foreign business of U.S. companies. See also *Historical Statistics, Colonial Times to 1970*, series X 679 and X 800-907]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
U.S. companies	Number	1,441	1,529	1,780	1,757	1,746	1,742	1,769	1,640	1,595	1,958	1,992
Sales ¹	Bil. dol.	78.4	149.8	206.8	323.5	316.5	352.2	407.7	437.9	526.8	654.7	906.9
Ordinary	Bil. dol.	56.2	89.6	134.8	199.0	207.1	233.6	277.3	304.2	359.1	461.5	555.3
Group ¹	Bil. dol.	15.3	52.9	65.4	117.8	102.7	112.2	123.8	127.7	162.4	189.6	349.5
Industrial	Bil. dol.	6.9	7.3	6.6	6.7	6.7	6.4	6.6	6.0	5.3	3.6	2.1
Voluntary termination, ordinary policies: ²												
All policies in force in U.S.	Rate	5.2	5.1	5.9	6.5	6.7	6.6	6.6	6.6	7.2	8.1	8.9
In force 2 years or more	Rate	3.7	3.5	3.9	4.5	4.5	4.6	4.7	4.8	5.1	5.8	6.6
Income	Bil. dol.	23.0	33.2	49.1	70.0	76.0	88.6	98.0	108.2	119.1	132.5	151.9
Life insurance premiums	Bil. dol.	12.0	18.1	21.7	27.8	29.3	31.4	33.8	36.6	39.1	40.8	47.4
Percent of total	Percent	52.2	48.5	44.2	39.7	37.6	35.4	34.5	33.8	32.8	30.8	31.2
Annuity considerations	Bil. dol.	1.3	2.2	3.7	7.7	10.2	14.0	15.0	16.3	17.9	24.0	28.6
Health insurance premiums	Bil. dol.	4.0	6.3	11.4	17.1	19.1	21.1	23.6	25.8	27.9	29.4	31.8
Investment and other	Bil. dol.	5.6	6.6	12.3	17.4	19.4	22.2	25.7	29.4	34.2	38.3	44.1
Disbursements	Bil. dol.	17.6	25.2	39.0	53.3	58.2	63.0	69.0	72.6	81.1	89.8	106.6
Payments to policyholders: ³	Bil. dol.	11.4	16.5	25.8	34.7	38.1	41.0	44.4	47.8	53.7	60.6	69.9
Percent of total	Percent	65.1	65.5	65.8	65.1	65.5	65.1	64.3	65.8	66.2	67.5	65.6
Death payments	Bil. dol.	3.4	4.9	7.2	8.9	9.3	9.7	10.2	11.1	11.8	12.9	15.8
Matured endowments	Bil. dol.	.7	1.0	1.0	1.0	1.0	1.0	.9	.9	.9	.8	.7
Annuity payments	Bil. dol.	.7	1.0	1.7	2.9	3.2	3.9	4.6	5.1	6.6	9.0	11.9
Policy dividends	Bil. dol.	1.9	2.9	3.8	4.8	5.1	5.6	6.3	6.8	7.6	8.1	9.3
Surrender values	Bil. dol.	1.7	2.0	2.9	3.7	3.8	4.2	4.3	4.5	5.5	6.4	7.2
Disability benefits	Bil. dol.	1	.2	.2	.4	.4	.5	.5	.5	.6	.5	.6
Commissions, expenses, etc.	Bil. dol.	5.9	8.4	12.8	17.9	19.4	21.9	23.9	23.7	25.9	27.8	35.1
Dividends to stockholders	Bil. dol.	.2	.2	.5	.7	.7	.7	.8	1.1	1.5	1.4	1.6
Taxes, licenses and fees	Bil. dol.	.9	1.4	2.2	3.4	3.5	4.0	4.4	5.1	5.5	4.8	4.2
Federal income taxes	Bil. dol.	.5	.7	1.2	1.9	1.9	2.2	2.5	3.0	3.3	2.6	1.8
Employed in insurance ⁴	1,000	1,105	1,225	1,480	1,620	1,640	1,675	1,715	1,775	1,830	1,880	1,905

¹Includes servicemen's group life insurance of \$27.4 billion in 1965, \$16.8 billion in 1970, \$28.6 billion in 1974, \$1.7 billion in 1975, and \$44.5 billion in 1981, as well as \$61.5 billion of Federal Employees' Group Life Insurance in 1981. ²Rate is ratio of number of policies lapsed or surrendered (for cash, extended term), less reinstatements, to mean number of policies in force. Includes foreign company policies, primarily Canadian. ³Includes operations of accident and health departments of life insurance companies, not shown separately. ⁴Includes life, health, and property/casualty insurance.

Source: American Council of Life Insurance, Washington, D.C. Based on data from *Life Insurance Fact Book*, and unpublished data.

No. 864. LIFE INSURANCE IN FORCE IN THE U.S.—SUMMARY: 1950 TO 1981

[As of December 31 or calendar years, as applicable. Prior to 1980, excludes Alaska and Hawaii. Covers life insurance with life insurance companies only. Represents all life insurance in force on lives of U.S. residents whether issued by U.S. or foreign companies. "Families" includes families, subfamilies, and unrelated individuals; see definitions, p. 1. See also *Historical Statistics, Colonial Times to 1970*, series X 879-889]

YEAR	LIFE INSURANCE IN FORCE						COVERAGE (\$1,000)		Dispo- sable person- al income per family ² (\$1,000)	AVERAGE SIZE POLICY IN FORCE (dollars)			
	All poli- cies, num- ber (mil.)	Value (bil. dol.)					Per fam- ily	Per in- sured fam- ily		Ord- inary	Group	Indus- trial	Cred- it
		Total	Ord- inary	Group	Indus- trial	Cred- it ¹							
1950.....	202	234	149	48	33.4	3.9	4.6	6.0	4.1	2,320	2,480	310	360
1955.....	252	372	217	101	39.7	14.8	6.9	8.7	5.1	2,720	3,200	350	520
1960.....	282	566	340	175	39.6	31.2	10.2	12.7	6.1	3,360	4,030	390	680
1965.....	320	901	486	306	39.8	57.0	14.6	17.8	7.7	4,680	5,060	450	850
1970.....	355	1,402	731	545	38.6	87.9	20.7	24.4	10.3	6,110	6,910	500	1,000
1971.....	357	1,503	788	581	39.2	95.0	21.7	25.5	10.8	6,440	7,170	520	1,080
1972.....	365	1,628	849	631	40.0	106.8	22.9	26.9	11.4	6,790	7,730	530	1,190
1973.....	369	1,778	928	708	40.6	101.2	24.4	28.8	12.6	7,230	8,010	540	1,300
1974.....	380	1,985	1,000	827	39.4	109.6	26.5	31.2	13.3	7,690	8,640	550	1,310
1975.....	380	2,140	1,083	905	39.4	112.0	26.1	33.0	14.4	8,090	9,380	570	1,410
1976.....	382	2,343	1,178	1,003	39.2	123.6	30.1	35.0	15.3	8,610	10,010	580	1,580
1977.....	390	2,583	1,289	1,115	39.0	139.4	32.4	37.7	16.5	9,240	10,550	580	1,760
1978.....	401	2,870	1,425	1,244	38.1	163.1	35.1	40.8	17.9	10,010	11,260	600	1,950
1979.....	407	3,222	1,586	1,419	37.8	179.3	38.5	44.8	19.6	10,890	12,350	610	2,120
1980.....	402	3,541	1,781	1,579	36.0	165.2	41.5	46.3	21.4	11,920	13,410	620	2,110
1981.....	400	4,064	1,978	1,889	34.5	162.4	45.7	53.2	22.7	13,310	15,400	630	2,220

¹ Insures borrower to cover loan in case of death.

² For disposable personal income, see tables 691 and 703.

Source: American Council of Life Insurance, Washington, D.C., *Life Insurance Fact Book*, annual.

No. 865. LIFE INSURANCE—INSURANCE IN FORCE AND BENEFIT PAYMENTS BY STATE: 1981

[Applies to policyholders and payments in the U.S.]

STATE	INSURANCE IN FORCE			Benefit payments ¹ (mil. dol.)	STATE	INSURANCE IN FORCE			Benefit payments ¹ (mil. dol.)
	Policies (1,000)	Value (bil. dol.)	Avg. per family (dol.)			Policies (1,000)	Value (bil. dol.)	Avg. per family (dol.)	
U.S.....	399,514	4,063.6	46,700	43,484	Miss.....	4,080	32.6	38,000	253
Ala.....	11,859	64.0	44,600	558	Mo.....	8,957	88.3	45,100	865
Alaska.....	843	9.0	55,500	51	Mont.....	1,195	12.4	38,600	119
Ariz.....	4,216	44.3	41,400	537	Nebr.....	2,835	31.9	50,700	346
Ark.....	2,736	27.9	32,100	257	Nev.....	1,566	16.3	46,700	131
Calif.....	30,337	410.1	41,300	4,484	N.H.....	1,594	16.3	43,900	173
Colo.....	4,868	62.1	51,000	529	N.J.....	12,089	150.0	54,000	1,926
Conn.....	5,640	69.7	56,300	690	N. Mex.....	1,849	20.3	41,600	181
Del.....	1,408	14.6	63,400	126	N.Y.....	26,306	312.8	45,200	4,025
D.C.....	2,782	31.0	98,500	168	N.C.....	12,556	94.3	41,500	868
Fla.....	18,551	151.1	36,500	2,034	N. Dak.....	1,075	13.0	49,800	105
Ga.....	13,149	102.4	50,000	829	Ohio.....	19,838	198.3	47,700	2,368
Hawaii.....	1,680	21.8	60,600	213	Okla.....	4,944	53.8	44,400	472
Idaho.....	1,475	14.8	42,100	139	Oreg.....	3,337	44.2	39,300	486
Ill.....	21,667	228.6	51,600	2,664	Pa.....	23,573	208.8	45,100	2,590
Ind.....	9,935	98.8	45,300	1,015	R.I.....	1,979	18.0	47,300	211
Iowa.....	5,076	56.7	47,900	611	S.C.....	7,810	48.9	42,300	411
Kans.....	4,234	44.1	46,400	439	S. Dak.....	1,090	11.7	42,700	109
Ky.....	6,222	50.5	36,800	457	Tenn.....	9,421	77.2	44,700	721
La.....	9,779	75.8	49,100	616	Tex.....	25,226	275.6	50,700	2,401
Maine.....	1,778	15.5	34,500	192	Utah.....	2,242	23.5	46,400	202
Md.....	7,824	79.1	48,900	819	Vt.....	816	7.8	36,900	92
Mass.....	8,971	101.4	43,600	1,274	Va.....	10,628	99.2	41,900	909
Mich.....	17,139	176.9	50,200	1,789	Wash.....	5,525	69.7	40,000	732
Minn.....	6,719	80.7	50,500	780	W. Va.....	3,297	26.0	35,400	295
					Wis.....	7,940	80.6	44,500	951
					Wyo.....	676	8.2	44,300	73

¹ Comprises death payments, matured endowments, disability and annuity payments, surrender values, and policy dividends.

Source: American Council of Life Insurance, Washington, D.C., *Life Insurance Fact Book*, annual.

No. 866. U.S. LIFE INSURANCE COMPANIES—FINANCIAL ITEMS: 1960 TO 1981

[In billions of dollars, except percent. As of December 31. See also *Historical Statistics, Colonial Times to 1970*, series X 808-917]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Assets	118.6	158.8	207.3	252.4	253.3	288.3	321.6	351.6	390.0	432.3	479.2	525.8
Government securities	11.6	11.9	11.1	11.4	12.0	15.2	20.3	23.6	26.6	29.7	33.0	39.5
Corporate securities	51.7	67.4	88.5	117.7	118.6	133.9	154.9	171.7	191.6	208.8	227.0	241.5
Percent of total assets	43.2	42.4	42.7	46.6	45.0	46.3	48.2	48.6	49.1	48.3	47.4	45.9
Bonds	46.7	58.2	73.1	91.8	96.7	105.8	120.7	137.9	155.0	169.0	179.6	193.6
Stocks	5.0	9.1	15.4	25.9	21.9	28.1	34.3	33.6	36.5	39.8	47.4	47.7
Mortgages	41.8	60.0	74.4	81.4	88.2	89.2	91.6	96.8	106.2	118.4	131.1	137.7
Real estate	3.8	4.7	6.9	7.7	8.3	9.6	10.9	11.1	11.6	13.0	15.0	18.3
Policy loans	5.2	7.7	16.1	20.2	22.9	24.5	25.8	27.6	30.1	34.6	41.4	48.7
Other	5.3	7.2	10.9	14.1	15.4	16.9	16.5	21.1	23.7	27.6	31.7	40.1
Interest earned on assets ¹ (percent)	4.11	4.81	5.30	5.88	6.25	6.36	6.55	6.89	7.31	7.73	8.02	8.57
Liabilities	109.9	145.0	189.9	232.5	244.7	268.7	299.5	328.1	363.7	402.3	444.8	488.4
Policy reserves ²	98.5	127.6	167.8	204.8	218.5	237.1	262.8	287.9	318.5	351.6	390.4	428.0
Capital and surplus ³	9.7	13.8	17.3	19.9	18.6	20.8	22.0	23.6	26.2	30.0	34.4	37.4

¹ Net rate. ² Includes business of accident and health departments of U.S. life insurance companies.

Source: American Council of Life Insurance, Washington, D.C., *Life Insurance Fact Book*, annual.

No. 867. U.S. LIFE INSURANCE COMPANIES—NEW INVESTMENTS: 1960 TO 1981

[In billions of dollars, except percent. Minus sign (-) denotes decrease]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	20.4	38.5	62.3	120.8	117.1	132.4	174.9	211.0	235.0	270.4	327.8	435.7
Average annual percent change ¹	17	14.2	9.6	22.5	-3.1	13.1	32.0	20.6	11.4	15.1	21.3	32.9
Government securities	5.0	4.3	4.6	6.3	7.6	13.8	30.3	34.9	35.8	41.6	51.6	72.9
Short-term	(NA)	(NA)	3.9	6.9	8.2	9.9	23.1	27.4	29.4	34.7	44.6	62.3
Corporate securities	7.5	21.9	45.5	95.3	91.5	102.5	128.1	154.7	172.9	196.6	241.4	332.2
Bonds	8.9	20.4	41.4	87.1	86.7	96.5	120.4	147.1	164.9	186.2	227.3	312.7
Short-term	(NA)	(NA)	34.6	74.3	75.4	75.0	96.4	118.0	136.9	163.6	205.1	269.7
Stocks	7	15	4.1	6.2	4.8	6.0	7.7	7.6	8.0	10.4	14.1	19.5
Mortgages	8.1	11.1	7.2	11.5	11.3	9.6	9.8	14.2	17.8	20.7	19.8	13.5
Real estate	.3	4	9	1.2	1.3	2.1	1.8	2.1	2.2	2.8	3.3	4.5
Policy loans	1.4	1.7	4.1	4.8	5.3	4.6	4.6	5.1	6.3	6.7	11.5	12.6

NA Not available. ¹ For 1960, change from 1959; thereafter for interval from prior year shown. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: American Council of Life Insurance, Washington, D.C., *Life Insurance Fact Book*, annual.

No. 868. HEALTH INSURANCE COVERAGE, BY TYPE OF COVERAGE: 1960 TO 1980

[In millions of persons. Beginning 1975, data include Puerto Rico and other U.S. territories and possessions. Duplication eliminated except as noted. "Hospital," "Surgical," "Regular medical," and "Major medical" represent coverage by insurance companies, Blue Cross-Blue Shield and medical society approved plans, and other plans. "Dental" represents insurance company coverage only. "Disability income" represents coverage by insurance companies, paid sick leave plans, and employee organizations. See also table 160]

YEAR AND AGE GROUP	Hospital	Surgical	Regular medical	Major medical	DISABILITY INCOME ¹		Dental
					Short term	Long term	
1960	122.5	111.5	63.2	32.6	42.4	(?)	(NA)
1965	138.7	130.5	109.6	69.7	48.9	4.5	(NA)
1970, total	159.8	151.4	138.7	103.5	58.1	11.0	12.0
Under 65	146.7	142.8	130.4	(NA)	56.1	11.0	(NA)
65 and over	10.1	6.6	8.3	(NA)	-	-	(NA)
1975, total	178.0	168.9	161.9	134.1	63.0	18.4	30.2
Under 65	166.4	158.5	152.2	(NA)	(NA)	18.4	(NA)
65 and over	12.6	10.4	9.7	(NA)	(NA)	-	(NA)
1978, total	181.5	172.5	164.1	141.5	66.3	19.1	36.1
Under 65	168.8	162.2	154.6	(NA)	(NA)	-	(NA)
65 and over	14.7	10.3	9.5	(NA)	(NA)	19.1	(NA)
1979, total	183.2	173.6	163.9	147.6	65.8	19.9	70.2
Under 65	169.1	163.4	154.3	(NA)	(NA)	19.9	(NA)
65 and over	14.1	10.4	9.6	(NA)	(NA)	-	(NA)
1980, total	186.1	175.4	166.6	154.2	65.4	21.1	80.6
Under 65	171.6	164.7	156.6	(NA)	(NA)	21.1	(NA)
65 and over	14.8	10.7	10.2	(NA)	(NA)	-	(NA)

- Represents zero. NA Not available. ¹ Any duplication resulting from combinations for short-term and long-term protection has not been eliminated. ² Included in "short-term" with some possible duplication.

Source: Health Insurance Association of America, Washington, D.C., *Sourcebook of Health Insurance Data*, 1981-82.

NO. 666. PRIVATE HEALTH INSURANCE ORGANIZATIONS—INCOME AND EXPENSES: 1960 TO 1979

[In millions of dollars, except percent. Minus sign (—) denotes loss. See also *Historical Statistics, Colonial Times to 1970*, series X 957-982]

ITEM	1960	1966	1970	1971	1973	1974	1975	1976	1977	1978	1979
Total premium income	8,841	9,893	17,075	22,359	24,845	27,777	32,437	36,172	44,619	49,692	55,859
Claims expense	4,995	5,739	15,519	19,099	21,091	24,466	30,072	35,471	40,013	45,044	50,175
Percent of premium income	56.5	57.4	91.5	85.4	84.9	88.1	92.7	92.9	89.7	90.6	89.8
Operating expense	2,845	1,417	2,390	3,182	3,468	3,887	4,193	4,789	5,454	6,194	7,116
Net underwriting gain	(1)	-162	934	89	296	676	-1,829	2,098	858	-1,546	1,433
Blue Cross-Blue Shield:											
Premium income	2,482	4,169	7,371	8,923	11,059	12,367	14,448	17,298	19,553	21,547	22,471
Claims expense	2,287	3,913	7,060	8,991	10,004	11,640	14,192	16,227	17,628	19,465	21,724
Operating expense	195	239	534	689	775	911	1,063	1,193	1,330	1,502	1,716
Net underwriting gain	(1)	17	224	343	280	184	-809	-151	■	580	31
Insurance companies:											
Premium income	3,027	5,216	8,636	11,052	11,944	13,151	14,849	18,752	19,335	20,867	23,035
Claims expense	2,389	4,274	7,531	8,915	9,480	10,802	13,157	15,493	17,208	19,057	20,145
Net underwriting gain	(1)	883	1,987	161	108	473	-1,216	-2,064	-1,823	-2,359	-1,783
Other plans, premium income	332	608	1,068	1,383	1,842	2,259	3,142	4,151	5,730	7,279	9,353

¹Data for net underwriting gain not available separately; included in operating expense.

Source: Through 1975, U.S. Social Security Administration, *Social Security Bulletin*, various issues, and unpublished data; thereafter, U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1981.

NO. 670. HEALTH INSURANCE—PREMIUM INCOME AND BENEFIT PAYMENTS: 1960 TO 1980

[In billions of dollars. Represents premium income of and benefits paid by insurance companies only. Beginning 1975, includes Puerto Rico and other U.S. outlying areas. Excludes Blue Cross-Blue Shield plans, medical-society sponsored plans, and all other independent plans]

ITEM	1960	1966	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980
Premiums ¹	4.7	7.4	11.5	14.8	16.1	17.9	20.8	24.5	28.7	32.7	37.9	43.7
Group policies ²	2.9	4.7	8.1	10.9	11.8	13.2	15.9	19.4	23.2	26.9	31.7	36.8
Individual and family policies	1.8	2.7	3.4	3.8	4.3	4.7	4.9	5.1	5.4	5.8	6.2	6.9
Benefit payments ³	3.1	6.2	9.1	10.8	11.9	13.6	16.5	20.3	22.1	26.4	31.7	37.8
Group policies ²	2.4	4.9	7.5	8.9	9.8	11.4	14.2	17.8	19.5	22.9	27.9	33.0
Individual and family policies .....	.7	1.2	1.6	1.7	2.1	2.2	2.3	2.4	2.6	3.5	3.8	4.0
Type of coverage:												
Loss of income .....	.8	1.0	1.8	2.0	2.2	2.5	2.7	2.9	3.1	3.4	4.7	5.3
Medical expense	2.2	4.1	7.1	8.5	9.4	10.8	13.2	16.1	17.8	21.2	24.8	28.9
Dental	(NA)	(NA)	1	.2	.3	.3	.6	1.2	1.5	1.8	2.2	2.8

NA Not available. ¹Prior to 1972, refers to written premiums; for 1972-80 refers to earned income. ²Insurance company group premiums and benefit payments for 1975 through 1980 include Administrative Service Agreements and Minimum Premium Plans. Amounts for prior years contain only a portion of these data. ³Beginning 1972, excludes accidental death and dismemberment benefits and accident medical reimbursement benefits.

Source: Health Insurance Association of America, Washington, D.C., *Source Book of Health Insurance Data*, annual.

NO. 671. PROPERTY AND LIABILITY INSURANCE: 1960 TO 1981

[In millions of dollars, except companies reporting. Premiums written represent total premiums on all insurance policies written by companies, with inception dates in years shown. See also *Historical Statistics, Colonial Times to 1970*, series X 916, 923, 928, 933, and 940]

ITEM	1960	1966	1970	1974	1975	1976	1977	1978	1979	1980	1981
Companies reporting	3,500	3,047	2,727	2,934	2,586	2,880	2,940	2,938	■	(NA)	(NA)
Premiums written ¹	14,873	20,063	32,867	45,182	48,967	60,418	72,397	81,890	90,123	95,598	99,276
Auto liability	3,883	5,424	8,858	12,010	13,315	■	■	20,383	22,102	23,319	24,395
Physical damage, auto	1,994	2,861	4,824	7,084	7,623	9,585	11,521	12,835	14,536	15,833	16,748
Liability, other than auto	963	1,137	2,140	2,990	3,981	5,384	6,794	7,706	7,817	7,692	7,385
Medical malpractice	(NA)	(NA)	(NA)	(NA)	895	1,133	1,194	1,216	1,204	1,276	1,338
Fire ²	2,406	2,215	3,147	3,536	3,601	4,102	4,415	4,675	4,781	4,784	4,817
Homeowners multiple peril	764	1,523	2,585	4,156	4,729	5,889	6,786	7,792	8,792	9,821	10,780
Commercial multiple peril	56	509	1,331	2,857	3,176	4,052	4,891	5,830	6,867	8,886	■
Workmen's compensation	1,419	2,042	3,492	5,473	6,166	7,534	9,261	11,300	13,164	14,239	14,616
Inland marine	361	489	812	1,169	1,298	1,444	1,584	1,687	2,061	2,291	2,426
Ocean marine	230	262	465	765	861	902	953	1,000	1,009	1,065	1,127
Surety and fidelity	(NA)	408	562	■	■	835	912	1,076	1,155	1,248	1,351
Burglary and theft	116	110	135	130	120	124	129	133	140	136	126
Crop-hail	103	117	125	280	312	325	340	351	398	417	504
Boiler and machinery	85	91	115	141	173	170	219	256	283	293	296
Glass	48	41	40	■	32	32	■	35	33	32	31
Assets and surplus:											
Assets	30,132	41,843	58,594	82,115	94,118	112,875	135,513	160,090	187,406	212,807	228,229
Policyholders' surplus	11,930	17,112	18,520	30,866	25,303	31,394	37,372	45,004	54,418	65,697	67,720

NA Not available. ¹Includes all property, liability, and allied lines; other data are for principal lines only. ²Includes extended coverage and allied lines.

Source: Insurance Information Institute, New York, N.Y., *Insurance Facts*, annual. Data from A. M. Best Company, Columbus, N.J.

No. 872. FIRE LOSSES—TOTAL AND PER CAPITA: 1946 TO 1981

[Prior to 1962, excludes Alaska and Hawaii. Includes allowance for uninsured and unreported losses but excludes losses to government property and forests. Based on paid losses through 1953, incurred losses thereafter]

YEARLY AVERAGE	Total (mil. dol.)	YEAR	Total (mil. dol.)	Per capita ¹	YEAR	Total (mil. dol.)	Per capita ¹	YEAR	Total (mil. dol.)	Per capita ¹
1946-1950.....	643	1960.....	1,108	\$6.19	1967.....	1,707	\$8.66	1974.....	3,190	\$15.09
1951-1955.....	833	1961.....	1,209	6.64	1968.....	1,830	9.20	1975.....	3,580	16.52
1956-1960.....	1,045	1962.....	1,265	6.80	1969.....	1,952	9.71	1976.....	3,558	16.59
1961-1965.....	1,340	1963.....	1,406	7.48	1970.....	2,328	11.41	1977.....	3,764	17.13
1966-1970.....	1,850	1964.....	1,367	7.16	1971.....	2,316	11.24	1978.....	4,008	18.05
1971-1975.....	2,802	1965.....	1,456	7.51	1972.....	2,304	11.08	1979.....	4,851	21.60
1976-1980.....	4,358	1966.....	1,497	7.84	1973.....	2,639	12.57	1980.....	5,579	24.56
								1981.....	5,625	24.53

¹Based on Bureau of the Census estimated resident population as of July 1.
Source: 1946-1964, National Board of Fire Underwriters, New York, N.Y., *Report of the Committee on Statistics and Origin of Losses*; thereafter, Insurance Information Institute, New York, N.Y., *Insurance Facts*, annual.

No. 873. FIRES—NUMBER AND LOSS, BY TYPE AND STRUCTURE BY SELECTED PROPERTY USE:
1977 TO 1981

[Based on annual sample survey of fire departments. No adjustments were made for unreported fires and losses. Property loss includes direct property loss only]

TYPE AND PROPERTY USE	NUMBER (1,000)					PROPERTY LOSS (mil. dol.)				
	1977	1978	1979	1980	1981	1977	1978	1979	1980	1981
Fires, total.....	3,264	2,818	2,846	2,968	2,893	4,709	4,496	5,750	6,254	6,676
Structure.....	1,098	1,062	1,037	1,065	1,027	4,125	4,022	4,964	5,454	5,976
Outside of structure ¹	130	110	80	87	81	144	32	38	61	81
Brush and rubbish.....	1,140	879	956	1,115	1,052	-	-	-	-	-
Vehicle.....	506	503	496	472	466	332	391	682	685	594
Other.....	388	264	277	249	267	108	53	66	54	45
Structure by property use:										
Public assembly.....	34	30	31	29	28	286	194	284	326	356
Educational.....	19	20	22	20	20	139	111	79	101	164
Institutional.....	25	39	30	28	27	15	14	34	25	38
Stores and offices.....	70	63	64	62	65	452	475	457	645	642
Residential.....	749	730	722	758	733	2,179	2,192	2,529	3,042	3,259
1-2 family units ²	584	569	551	591	574	1,712	1,784	2,034	2,447	2,713
Apartments.....	139	137	146	143	137	325	310	343	401	415
Hotels and motels.....	14	12	11	12	12	118	82	100	154	99
Other residential.....	12	12	14	12	10	24	16	52	40	32
Storage ³	73	60	64	65	62	451	342	507	512	616
Industry, utility, defense ³	55	55	58	55	49	526	594	966	672	775
Special structures.....	73	65	46	48	43	77	100	108	131	106

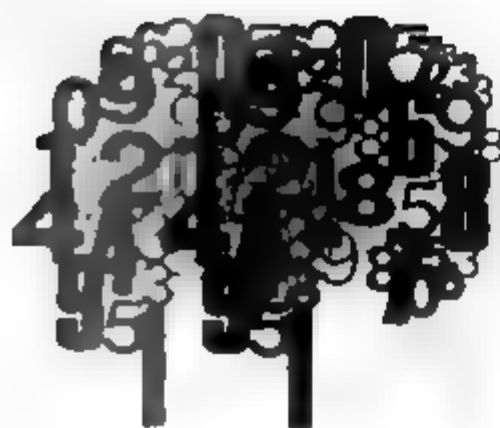
- Represents zero. ¹Includes outside storage, crops, timber, etc. ²Includes mobile homes. ³Data underreported as some incidents were handled by private fire brigades or fixed suppression systems which do not report.
Source: National Fire Protection Association, Quincy, Mass., *Fire Journal*, Sept. 1982.

No. 874. FIRES AND PROPERTY LOSS FOR INCENDIARY AND SUSPICIOUS FIRES AND CIVILIAN FIRE
DEATHS AND INJURIES: 1978 TO 1981

[Based on sample survey of fire departments]

ITEM	1978	1979	1980	1981	ITEM	1979	1979	1980	1981
NUMBER (1,000)					CIVILIAN FIRE DEATHS				
Structure fires, total.....	1,062	1,037	1,065	1,027	Deaths, total ¹	8,130	7,790	6,505	6,700
Structure fires of incendiary and suspicious origin.....	160	149	146	156	Residential property.....	6,185	5,765	5,446	5,540
Fires of incendiary origin.....	87	89	92	88	One- and two-family dwell- ings.....	4,945	4,320	4,175	4,430
Fires of suspicious origin.....	73	60	54	68	Apartments.....	1,070	1,180	1,025	970
PROPERTY LOSS ¹ (mil. dol.)					Vehicles.....	1,255	1,535	740	840
Structure fires, total.....	4,022	4,964	5,454	5,979	CIVILIAN FIRE INJURIES				
Structure fires of incendiary and suspicious origin.....	1,067	1,328	1,760	1,663	Injuries, total ²	29,806	31,325	30,209	30,700
Fires of incendiary origin.....	650	787	1,158	1,160	Residential property.....	21,275	20,450	21,000	20,625
Fires of suspicious origin.....	417	541	602	503	One- and two-family dwell- ings.....	15,400	14,650	16,100	15,125
					Apartments.....	5,000	4,175	3,600	4,250
					Vehicles.....	3,700	5,175	4,075	3,400

¹Direct property loss only. ²Includes other not shown separately.
Source: National Fire Protection Association, Quincy, Massachusetts, *Fire Facts*, 1982, and "Fire Losses in the United States During 1981."



Section 18

Business Enterprise

This section relates to the place and behavior of the business firm, and to business initiative in the American economy. It includes data on the number, type, and size of businesses; financial data of domestic and foreign affiliates of U.S. corporations; business investment, expenditures, and profits; business sales and inventories; consumer cooperatives; and mergers, acquisitions, and business failures. Additional business data may be found in other sections, particularly 29 and 30.

The principal sources of these data are the *Survey of Current Business*, published by the Bureau of Economic Analysis (BEA); the *Federal Reserve Bulletin*, issued by the Board of Governors of the Federal Reserve System; the annual *Statistics of Income* reports of the Internal Revenue Service (IRS); *The Failure Record Through (Year)*, issued by Dun & Bradstreet, New York; and *Fortune* and *The Fortune Directory*, issued by Time, Inc., New York. Other sources are publications of the Securities and Exchange Commission (SEC), the Federal Trade Commission (FTC), and the Administrative Office of the United States Courts.

Business firms.—A firm is generally defined as a business organization under a single management and may include one or more establishments (i.e., a single physical location at which business is conducted). The terms firm, business, company, and enterprise are used interchangeably throughout this section. A firm doing business in more than one industry is classified by industry according to the major activity of the firm as a whole. The industrial classification is based on the *Standard Industrial Classification (SIC) Manual* (see text, page 372).

The IRS concept of a business firm relates primarily to the legal entity used for tax reporting purposes. The IRS *Statistics of Income* reports present data, based on a sample of tax returns before audit, separately for sole proprietorships, partnerships, and active corporations. A *sole proprietorship* is an unincorporated business owned by one person. Sole proprietorships include the entire range of unincorporated, one-owner businesses, farms, and professional practices, from large enterprises with many employees and hired managers to the part-time operations in which the owner is the only person involved. A *partnership* is an unincorporated business owned by two or more persons, each of whom has a financial interest in the business. The "persons" could be individuals, estates, trusts, or corporations. A *corporation* is a business that is legally incorporated under State laws. The IRS recognizes many types of businesses as corporations, including joint-stock companies, mutual and other insurance companies, and unincorporated associations such as business trusts, mutual savings and loan associations, certain partnerships, mutual savings banks, and cooperative banks. While many corporations file consolidated tax returns, most corporate tax returns represent individual corporations, some of which are affiliated through common ownership or control with other corporations filing separate returns.

Assets and liabilities.—In its annual report, *Statistics of Income, Corporation Income Tax Returns*, the IRS presents balance sheet and income estimates for all active U.S. corporations. The FTC issues 2 current reports, the *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*, which presents quarterly income account and balance sheet data for manufacturing, mining, and trade industries, and the *Working Capital of U.S. Nonfinancial Corporations*, which presents data on components of current assets and liabilities of all nonfinancial U.S. corporations.

One of the most comprehensive measures of the investment position of the business sector (and the only measure adjusted to current replacement cost) is the BEA capital stock series. See *Fixed Reproducible Tangible Wealth in the United States, 1925-79*, and periodic updates in the *Survey of Current Business*.

Income, profits, dividends, and taxes.—Several agencies, among them IRS and BEA, compile corporate income account data. These data, however, are not comparable because of differing methods of compilation. A reconciliation of the two can be found in table 8.12 of *National Income and Product Accounts of the United States, 1929-78*, and *Survey of Current Business* (normally the July issue), published by BEA. The IRS publishes financial data for all business enterprises. These

data appear in *Statistics of Income—Business Income Tax Returns* and *Corporation Income Tax Returns*. Supplemental reports published periodically present data on international income and taxes reported by U.S. corporations.

The corporate data issued by BEA are a part of its national income and product accounts (see text, p. 415) and are defined as required for purposes of national income estimation. The primary sources for BEA estimates of profits, taxes, dividends, and undistributed profits are the original corporate tax returns submitted to the IRS. Various adjustments of the IRS data are required by the national income treatment—adjustments, particularly with respect to profits which would be disclosed if all tax returns were audited; depletion; capital gain or loss; treatment of bad debts; measurement of income received from abroad; and intercorporate dividends to make the figures comparable with other entries in the national income accounts. For a discussion of two types of adjustments (inventory valuation and capital consumption), see text, page 415. BEA's corporate profits data also include net earnings of Federal Reserve banks, credit unions, private noninsured pension funds, and several quasi-government credit agencies not included in *Statistics of Income*.

Sources and uses of corporate funds.—These data (table 916) show capital requirements of corporations and the manner in which they are financed. Sources of funds should be equal to their uses. Certain discrepancies, however, interfere with this equality due to omission of (1) money accruing to corporations from an excess of sales over purchases of used plant and equipment, (2) transactions in securities held as permanent investments except public offerings, and (3) net purchases of land. Also, the balance sheet data upon which many of the financial flow estimates are based are not fully comparable with the tax-return based estimates of internal sources, or the establishment series underlying the figures on inventory change.

Plant and equipment expenditures.—Estimates of actual and planned expenditures for new plant and equipment in the United States by most private, nonagricultural business firms are based on quarterly sample surveys conducted by the Bureau of Economic Analysis.

For quarterly data, see current issues of the *Survey of Current Business*. For discussion of coverage, concepts, and methodology, see October 1980 issue of the *Survey*; for methodology used to derive the constant-dollar estimates, see the September 1981 issue of the *Survey*.

Sales and inventories.—Sales are estimated aggregate values, and inventories are book values at the end of the period. Sales signifies sales or shipments for retail and wholesale trade and billings or shipments for manufacturing. Trade inventories are valued at cost of merchandise on hand, while manufacturers' inventories are valued at approximate current costs or at book values, as reported by the manufacturer. Inventories (see table 912) are based on data from censuses (conducted every five years, for years ending in "2" and "7") and annual surveys. Monthly data for manufacturing appear in the Bureau of the Census Current Industrial Reports, *Manufacturers' Shipments, Inventories, and Orders*, series M3-1; for data on retail and wholesale trade, see Section 30.

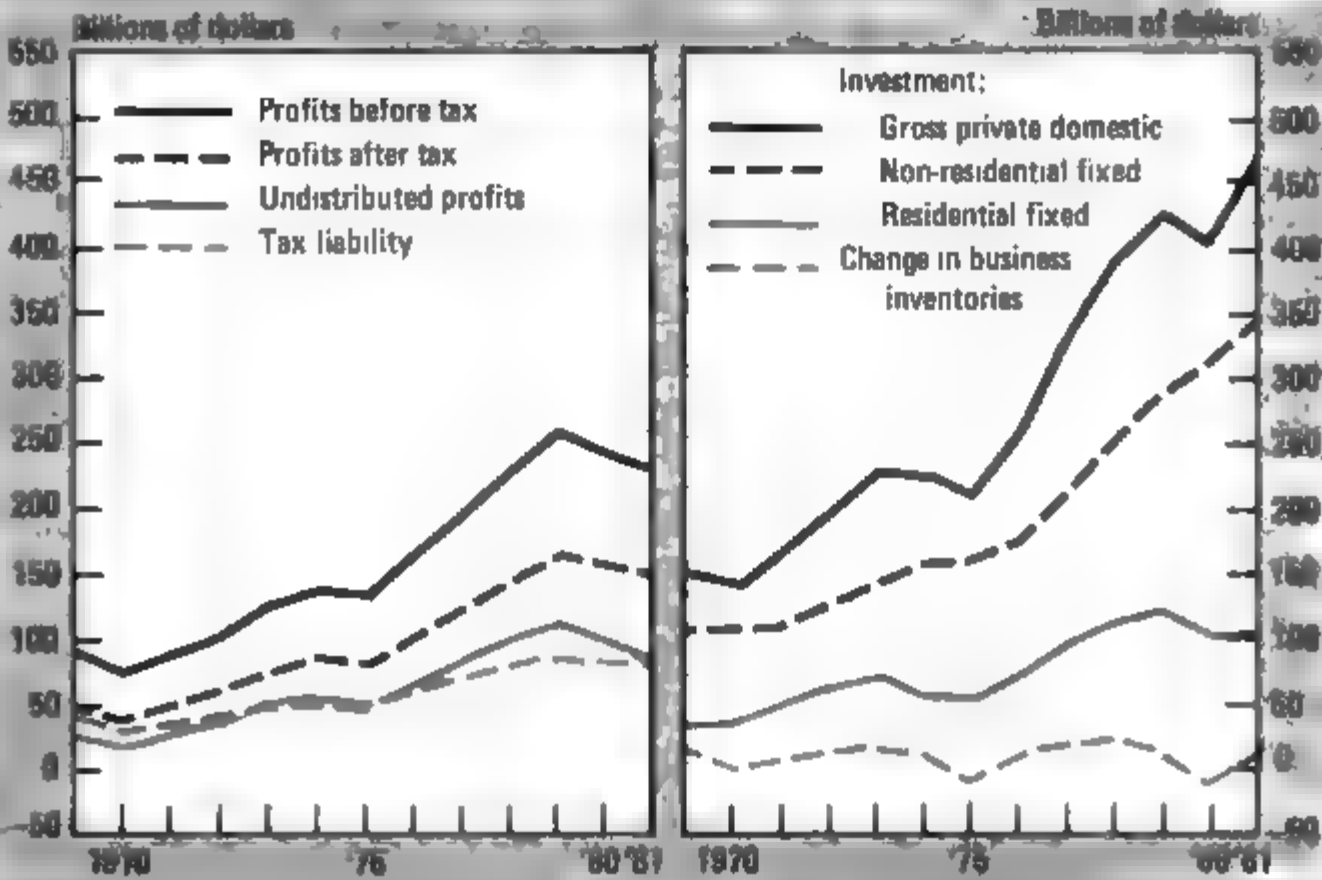
Sales, assets, net income, stockholder's equity, and total returns to investors.—Sales include service and rental revenues but exclude dividends, interest, and other non-operating revenues. All companies on the list must have derived more than 50 percent of their sales from manufacturing and/or mining. Sales of subsidiaries are included when they are consolidated. Assets are those shown at the company's year-end. Net income is shown after taxes and after extraordinary credits or charges when any are shown on the income statement. Stockholders equity is the sum of capital stock, surplus and retained earnings at the company's year-end. Redeemable preferred stock is excluded when its redemption is either mandatory or outside the control of the company, except in the case of cooperatives. Total returns to investors includes both price appreciation and dividend yield. Returns are adjusted for stock splits, stock dividends, recapitalizations, and corporate reorganizations as they occur.

Economic censuses.—The economic censuses constitute comprehensive and periodic canvasses of the Nation's industrial and business activities. The first economic census of the United States was conducted as part of the 1810 decennial census, when inquiries on manufacturing were included with the census of population. Minerals data were collected in 1840. The first censuses of construction and business were taken for 1929. An integrated economic census program was begun for 1954. In that year, the censuses covered the retail and wholesale trades, selected service industries, manufactures, and mineral industries. The economic censuses are taken at 5-year intervals covering years ending in "2" and "7".

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

Figure 18.1
Corporate Profits, and Gross Private Domestic Investment:
1970 to 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 906 and 917

Figure 18.2
Cyclical Indicators—Selected Indexes: 1971 to 1982



¹ Labor costs per unit of output.

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 909.

NO. 875. PROPRIETORSHIPS, PARTNERSHIPS, AND CORPORATIONS—NUMBER OF RETURNS, RECEIPTS, AND NET INCOME: 1960 TO 1979

[Figures are estimates based on samples; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series V 1-12]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979
Number	1,000	11,172	11,416	12,801	13,802	13,979	14,536	14,741	15,829	16,167
Receipts ¹	Bil. dol.	1,066	1,489	2,882	3,567	3,886	4,179	4,889	5,377	5,345
Net income (less deficit) ²	Bil. dol.	75	111	188	201	196	245	283	330	361
Proprietorships, number ³	1,000	9,080	9,078	9,400	10,874	10,882	11,358	11,346	12,018	12,330
Business receipts ¹	Bil. dol.	171	189	238	328	339	375	394	443	488
Net income (less deficit) ²	Bil. dol.	21	28	33	48	45	50	51	59	61
Partnerships, number	1,000	941	914	838	1,052	1,073	1,088	1,153	1,211	1,200
Total receipts ¹	Bil. dol.	74	75	93	139	147	160	177	219	258
Net income (less deficit) ²	Bil. dol.	8	10	10	8	8	10	13	14	15
Corporations, number	1,000	1,141	1,424	1,865	1,866	2,024	2,082	2,242	2,377	2,557
Total receipts ¹	Bil. dol.	849	1,196	1,751	3,080	3,199	3,635	4,126	4,715	5,588
Net income (less deficit) ²	Bil. dol.	44	74	86	148	143	186	219	247	286

¹See footnote 1, table 878. ²See footnote 2, table 878. ³Individually owned businesses and farms. ⁴Total taxable receipts before deduction of cost of goods sold, cost of operations, and net loss from sales of property other than capital assets. Excludes nontaxable income except nontaxable interest. See headnote, table 878. ⁵Beginning 1965, includes constructive taxable income from related foreign corporations.

NO. 876. PROPRIETORSHIPS, PARTNERSHIPS, AND CORPORATIONS—NUMBER OF RETURNS AND BUSINESS RECEIPTS, BY SIZE OF RECEIPTS: 1970 TO 1979

[See headnote, table 878, and *Historical Statistics, Colonial Times to 1970*, series V 1-12]

SIZE CLASS OF RECEIPTS	1970		1975		1978							
	Number (1,000)	Re- ceipts (bil. dol.)	Num- ber (1,000)	Re- ceipts (bil. dol.)	Total		Number (1,000)			Receipts (bil. dol.)		
					Num- ber (1,000)	Re- ceipts (bil. dol.)	Propri- etor- ships	Part- ner- ships	Cor- porations	Propri- etor- ships	Part- ner- ships	Cor- porations
Total	12,881	2,886	13,979	3,447	18,187	5,375.5	12,330	1,300	2,567	487.7	252.9	5,136.0
Under \$25,000	8,209	51	9,107	55	9,913	82.0	8,788	803	522	55.0	4.5	2.5
\$25,000-\$49,999	1,302	11	1,519	53	1,718	80.0	1,348	174	198	47.9	6.2	5.9
\$50,000-\$99,999	1,000	71	1,247	86	1,565	110.0	1,100	169	298	78.2	12.1	19.7
\$100,000-\$199,999	861	93	1,575	330	1,166	1,846	659	149	380	91.0	21.0	52.6
\$200,000-\$499,999	474	145			955	263.4	332	126	497	101.0	39.3	153.1
\$500,000-\$999,999	181	128	249	189	383	262.9	76	44	283	51.4	30.5	181.0
\$1,000,000 or more	182	1,572	264	2,754	422	4,923.6	29	34	399	63.1	111.8	4,721.2
PERCENT DISTRIBUTION												
Under \$25,000	68.3	2.5	65.1	1.6	61.2	1.0	71.3	46.4	20.4	11.3	1.8	0.3
\$25,000-\$49,999	10.8	2.3	10.9	1.5	10.6	1.0	10.9	13.4	7.7	9.8	2.5	.1
\$50,000-\$99,999	8.3	3.5	8.9	2.5	9.7	1.9	8.9	13.0	11.6	16.0	4.8	.4
\$100,000-\$199,999	5.5	4.6	11.3	9.6	7.3	2.6	5.3	11.5	14.9	18.7	8.3	1.0
\$200,000-\$499,999	4.0	7.2			5.9	5.0	2.7	9.7	18.4	20.8	15.5	3.0
\$500,000-\$999,999	1.5	6.2	1.8	4.9	2.4	4.5	.6	3.4	10.3	10.5	12.1	3.5
\$1,000,000 or more	1.5	73.8	2.0	79.9	2.7	83.8	.2	2.6	15.6	12.9	55.1	91.9

² Less than .05 percent. ¹ Active firms only. ³ Includes firms with no receipts.

Source of tables 875 and 876. U.S. Internal Revenue Service, *Statistics of Income, Business Income Tax Returns*, annual and *Statistics of Income, Corporation Income Tax Returns*, annual.

NO. 877. FEDERAL GOVERNMENT LOANS TO ALL SMALL BUSINESSES AND TO MINORITY-OPERATED SMALL BUSINESSES: 1970 TO 1981

[For years ending June 30 except, beginning 1977 ending Sept. 30. A small business must be independently owned and operated, must not be dominant in its particular industry, and must meet standards set by the Small Business Administration as to its annual receipts or number of employees]

LOANS APPROVED	Unit	1970-1981, avg.	1970	1971	1974	1975	1976	1977	1978	1979	1980	1981
Loans, all businesses	1,000	27.9	15.1	33.9	27.5	22.3	26.1	31.8	31.7	30.2	31.7	25.7
Minority-operated businesses	1,000	6.5	6.3	9.1	6.9	5.4	5.5	6.2	6.1	5.5	6.0	5.2
Percent of all businesses	Percent	24	41	27	25	24	21	19	19	18	19	19
Value of total loans	Mil. dol.	2,480	710	2,196	1,945	1,594	2,071	3,049	3,314	3,407	3,858	3,688
Loans to minority-operated business	Mil. dol.	331	180	334	289	229	262	352	402	426	470	454
Percent of all loans	Percent	14	23	15	15	14	13	12	12	13	12	12

Source: U.S. Small Business Administration, unpublished data.

NO. 878. PROPRIETORSHIPS, PARTNERSHIPS, AND CORPORATIONS—NUMBER OF RETURNS, RECEIPTS, AND NET INCOME, BY INDUSTRY: 1979

[Figures are estimates based on sample of unaudited tax returns filed for accounting periods ending between July 1 of year shown and June 30 of following year; see Appendix III. Due to minor variations in estimating techniques, totals differ slightly from those shown in other IRS tables in this section. Proprietorships are individually owned businesses and farms. See *Historical Statistics, Colonial Times to 1970*, series V 42-53, for number of active corporations. Minus sign (-) denotes net loss]

INDUSTRY	NUMBER OF RETURNS (1,000)			BUSINESS RECEIPTS ¹ (bil. dol.)			NET INCOME (less deficit) ² (bil. dol.)		
	Pro- pri- etor- ships	Active partner- ships	Active corpora- tions	Pro- pri- etor- ships	Active partner- ships	Active corpora- tions	Pro- pri- etor- ships	Active partner- ships	Active corpora- tions
Total ³.....	12,330	1,300	2,557	487.8	253.0	5,136.0	60.8	15.2	284.6
Agric., forestry, and fishing.....	3,762	125	83	98.6	20.8	50.6	5.2	1.1	1.3
Mining.....	97	28	24	6.1	9.7	127.5	.1	-2.5	43.1
Construction.....	1,097	75	250	50.9	19.7	246.9	7.9	2.1	6.0
Manufacturing.....	236	30	237	12.9	13.1	2,072.7	1.5	.5	130.4
Transportation, public utilities ⁴	415	20	104	18.1	5.4	432.3	2.0	.4	18.4
Wholesale and retail trade ⁵	2,455	205	773	195.7	58.2	1,713.9	11.2	2.9	40.2
Wholesale.....	315	32	266	43.8	20.5	956.1	3.2	.9	25.8
Retail.....	1,966	173	505	146.1	37.7	755.7	7.3	1.9	14.4
Finance, insurance, real estate ⁶	1,058	577	471	21.2	76.3	255.1	7.1	-.5	37.0
Services.....	3,654	239	603	83.3	49.7	235.0	25.5	11.3	8.3

¹Receipts from sales and services less allowances, rebates, and returns; excludes capital gains or losses, and investment income not associated with the taxpayer's business. ²Net income (less deficit) is defined differently by legal form of organization, basically as follows: (a) Proprietorships: Total taxable receipts less total deductions, including cost of sales and operations; investment and other income are excluded; (b) Partnerships: Total taxable receipts less total deductions, including cost of sales and operations; investment and other income, except capital gains, are included; (c) Corporations: Total taxable receipts less total deductions, including cost of sales and operations; investment and other income, such as capital gains and income from foreign corporations considered received for tax purposes only, are included; net profit is before income tax. ³Includes business not allocable to individual industries. ⁴Includes sanitary services. ⁵Includes total receipts for the finance, insurance, and real estate industry.

NO. 879. PROPRIETORSHIPS, PARTNERSHIPS, AND CORPORATIONS—NUMBER OF RETURNS AND RECEIPTS, BY INDUSTRY AND SIZE OF BUSINESS RECEIPTS: 1979

[Number in thousands; receipts and net income in millions of dollars. See headnote, table 878. See *Historical Statistics, Colonial Times to 1970*, series V 42-53, for number of active corporations. Minus sign (-) denotes net loss]

INDUSTRY	PROPRIETORSHIPS ¹			ACTIVE PARTNERSHIPS			ACTIVE CORPORATIONS		
	Under \$50,000 ²	\$50,000- \$99,999	\$100,000 or more	Under \$100,000 ²	\$100,000- \$499,999	\$500,000 or more	Under \$500,000	\$500,000- \$999,999	\$1,000,000 or more
All industrial divisions: ³									
Number.....	10,133	1,100	1,097	946	276	78	1,895	263	399
Business receipts ⁴	102.9	78.2	307.0	22,861	60,358	169,782	233,799	181,028	4,721,248
Net income ⁵	18.5	16.0	26.3	-6,932	6,711	15,427	16,407	8,210	297,033
Agriculture, forestry, fishing:									
Number.....	2,758	294	212	82	35	7	69	8	6
Business receipts ⁴	26.3	21.0	51.2	2,399	7,151	11,259	9,572	5,501	35,517
Mining:									
Number.....	81	7	9	22	4	2	16	3	5
Business receipts ⁴.....	.6	.5	4.9	278	908	8,535	1,993	1,921	123,541
Construction:									
Number.....	863	112	122	49	22	5	171	34	45
Business receipts ⁴	12.1	8.0	30.8	1,766	4,466	13,502	28,196	24,019	194,675
Manufacturing:									
Number.....	177	26	33	20	7	3	130	33	74
Business receipts ⁴	2.0	1.8	9.1	549	1,640	10,919	22,540	23,553	2,026,572
Transportation, public utilities: ⁶									
Number.....	324	60	31	14	5	1	75	13	16
Business receipts ⁴	5.0	4.1	9.0	458	941	4,010	8,651	9,153	414,524
Wholesale and retail trade:									
Number.....	1,714	267	474	114	69	22	466	113	194
Business receipts ⁴	18.2	19.5	158.0	4,031	15,965	38,233	79,665	81,039	1,553,006
Finance, insurance, real estate:									
Number.....	969	59	30	481	75	22	429	16	27
Business receipts ⁴	9.3	4.1	7.8	9,122	16,197	50,940	28,538	11,068	521,481
Services:									
Number.....	3,198	274	184	164	59	15	528	43	32
Business receipts ⁴	29.0	19.3	35.0	4,258	13,065	32,385	66,127	29,789	139,093

¹Individually owned businesses and farms. ²Includes businesses without receipts. ³Includes businesses not allocable to individual industries. ⁴See footnote 1, table 878. ⁵Less loss. See footnote 2, table 878. ⁶Includes sanitary services. ⁷For partnerships and corporations, total receipts (which include investment income), rather than business receipts, were used as the size classifier and for the amounts shown.

Source of tables 878 and 879: U.S. Internal Revenue Service, *Statistics of Income*, annual; *Business Income Tax Returns*, annual; and *Statistics of Income, Corporation Income Tax Returns*, annual.

NO. 880. ESTABLISHMENTS, EMPLOYEES, AND PAYROLL BY INDUSTRY AND EMPLOYMENT-SIZE CLASS: 1980

[Excludes government employees, railroad employees, self-employed persons, etc. See "General Explanation" in source for definitions and statement on reliability of data]

ITEM	Unit	All industries ¹	Agricultural services ²	Mining	Contract construction	Manufacturing	Transportation ³	Wholesale trade	Retail trade	Finance and insurance ⁴	Services
Establishments, total	1,000	4,643	48	30	417	319	167	385	1,223	421	1,278
Under 20 employees	1,000	3,932	44	22	378	184	130	324	1,058	375	1,153
20 to 99 employees	1,000	508	2	6	36	88	30	56	151	39	101
100 to 249 employees	1,000	71	(2)	1	3	24	6	4	12	4	16
250 or more employees	1,000	33	(2)	1	1	18	2	1	3	2	7
Employees, total	1,000	74,836	280	886	4,474	21,152	4,631	5,216	16,045	5,278	17,188
Under 20 employees	1,000	19,423	(b)	125	(b)	1,379	735	1,985	5,967	1,623	5,158
20 to 99 employees	1,000	21,168	70	282	1,428	3,841	1,289	2,120	6,188	1,573	4,264
100 to 249 employees	1,000	10,811	23	192	519	3,757	858	638	1,897	656	2,471
250 or more employees	1,000	23,433	(b)	417	(b)	12,075	1,748	472	1,216	1,427	5,302
Payroll	Mill. dol.	1,038,190	3,182	22,325	75,887	356,793	88,002	89,182	123,835	77,130	197,548
Under 20 employees	Mill. dol.	230,640	(b)	2,665	(b)	19,490	10,267	32,383	47,334	21,361	66,177
20 to 99 employees	Mill. dol.	261,612	705	5,430	24,968	55,875	22,271	35,471	48,731	22,743	45,076
100 to 249 employees	Mill. dol.	145,677	220	4,220	9,892	55,130	16,515	11,509	14,445	9,715	24,031
250 or more employees	Mill. dol.	401,222	(b)	10,011	(b)	226,299	38,949	9,849	13,325	23,312	63,265

D Withheld to avoid disclosing figures for individual companies. Z Less than 500. ¹Includes nonclassifiable establishments not shown separately. ²Includes forestry and fisheries. ³Includes other public utilities. ⁴Includes real estate.

Source: U.S. Bureau of the Census, *County Business Patterns 1979*, CBP-79-1

NO. 881. WOMEN-OWNED FIRMS—NUMBER AND RECEIPTS, BY INDUSTRY: 1977

[A firm is considered to be women-owned if one-half or more of the partners are women; a corporation is classified as women-owned if 50 percent or more of the stock is owned by women. The same majority ownership criteria applies to minority-owned businesses. For coverage detail, see source]

INDUSTRY	FIRMS, 1977 (1,000)			RECEIPTS, 1977 (bil. dol.)		
	All firms ¹	Women-owned		All firms ¹	Women-owned	
		Number of firms	Percent of all firms		Receipts	Percent of all firms
All industries, total	8,833	792	7.1	633.1	41.5	6.6
Construction	1,107	21	1.9	72.6	2.9	4.0
Manufacturing	297	19	6.6	38.5	3.8	9.4
Transportation and public utilities	419	12	2.9	22.8	1.3	5.7
Wholesale and retail trade	2,800	226	8.0	291.4	23.4	8.0
Finance, insurance, real estate	1,404	66	4.7	66.6	2.1	3.2
Selected services	3,523	316	8.7	120.1	7.1	5.9
Other industries ²	383	40	10.2	21.2	1.2	5.7

¹Based on data from U.S. Internal Revenue Service, preliminary report, *Statistics of Income, Business Income Tax Returns, 1977* and *Statistics of Income, Corporation Income Tax Returns, 1976*. ²Includes industries not classified.

Source: U.S. Bureau of the Census, *Women-Owned Businesses, 1977*.

NO. 882. MINORITY-OWNED FIRMS—SUMMARY BY INDUSTRY: 1977

[These data were developed from administrative records of government agencies, various published and unpublished sources, a direct mail canvass, and personal contacts with community and government representatives knowledgeable in this area. Caution should be exercised in comparing data presented here with published or unpublished data from other reports of the 1977 economic censuses. Factors affecting comparability of data among censuses are scope of survey, business unit canvassed, and receipt-size limitations. See source for further detail. See also headnote, table 881]

OWNERSHIP AND INDUSTRY	ALL FIRMS		FIRMS WITH PAID EMPLOYEES				FIRMS WITHOUT PAID EMPLOYEES	
	Total (1,000)	Gross receipts (mil. dol.)	Total (1,000)	Employee ¹ (1,000)	Annual payroll (mil. dol.)	Gross receipts (mil. dol.)	Total (1,000)	Gross receipts (mil. dol.)
All industries ²	561	28,982	396	486	3,356	18,998	486	7,288
Black-owned	231	8,645	40	164	1,135	8,397	191	2,248
Spanish-origin	219	10,417	41	208	1,350	7,140	178	3,277
Construction	52	2,361	12	45	396	1,613	40	747
Manufacturing	13	1,968	8	60	447	1,642	7	117
Transp. and public utilities	37	1,080	4	15	139	556	33	504
Wholesale trade	9	2,031	2	14	152	1,789	7	242
Retail trade	147	10,829	36	163	929	7,820	110	2,808
Finance and insurance ³	28	1,334	3	24	212	1,043	26	291
Selected services	234	6,202	38	151	1,020	4,039	198	2,163

¹For week including March 12. ²Includes other not shown separately. ³Includes real estate.

Source: U.S. Bureau of the Census, *1977 Survey of Minority-Owned Business Enterprises*, MB77-1, MB77-2, MB77-3, and MB77-4.

NO. 883. MERGERS AND ACQUISITIONS—MANUFACTURING AND MINING CONCERNS ACQUIRED¹
1925 TO 1979

[Prior to 1972, totals limited to actions reported by Moody's Investors Service, Inc., and Standard & Poor's Corporation. Included are partial acquisitions when they comprise whole divisions or subsidiaries of other companies. See also *Historical Statistics, Colonial Times to 1970*, series V 35]

PERIOD	Con- cerns ac- quired, aggre- gate for period	Year	All con- cerns ac- quired, total	LARGE CONCERNS (ASSETS OF \$10 MILLION OR MORE) ACQUIRED ¹					
				Number of mergers			Assets acquired (mil. dol.)		
				Total	Horizon- tal and vertical	Con- glom- erate	Total	Horizon- tal and vertical	Con- glom- erate
1925-1929	4,583	1980	844	51	14	37	1,535	453	1,082
1930-1934	1,867	1985	1,008	84	18	48	3,254	573	2,681
1935-1939	577	1970	1,351	91	12	78	5,904	1,174	4,730
1940-1944	908	1971	1,011	59	8	51	2,480	578	1,882
1945-1949	1,806	1972	911	60	34	38	7,885	773	1,112
1950-1954	1,424	1973	874	84	25	39	3,149	1,093	2,056
1955-1959	3,365	1974	802	82	24	38	4,466	1,417	3,049
1960-1964	4,368	1975	439	59	7	52	4,950	267	4,683
1965-1969	6,213	1976	559	81	18	63	6,279	1,031	5,248
1970-1974	4,749	1977	590	99	30	69	8,670	1,837	6,733
1975-1979	2,717	1978	610	111	35	75	10,724	4,675	6,050
		1979	519	97	10	87	12,887	1,231	11,637

¹ Concerns for which financial data are publicly available.

**NO. 884. MERGERS AND ACQUISITIONS—MANUFACTURING AND MINING CONCERNS ACQUIRED, BY
INDUSTRY GROUP OF ACQUIRING CONCERN: 1960 TO 1979**

[See headnote, table 883]

INDUSTRY OF ACQUIRING CONCERN	1960- 1964, total	1965- 1969, total	1970- 1974, total	1975- 1979, total	1973	1974	1975	1976	1977	1978	1979
Total concerns acquired	4,396	8,213	4,749	2,717	574	802	439	559	590	610	519
Mining	209	303	258	128	34	36	27	26	26	24	23
Manufacturing ¹	3,994	8,842	3,428	1,833	578	418	288	375	393	427	350
Food and kindred products	325	536	384	198	77	40	27	42	43	53	33
Tobacco manufactures	24	37	18	18	3	2	4	1	5	5	3
Textiles and apparel	260	439	180	59	30	15	3	13	11	16	16
Lumber and furniture	109	250	175	56	31	27	7	14	12	8	14
Paper and allied products	133	175	120	53	21	30	8	10	18	8	9
Printing and publishing	158	224	158	126	28	18	21	29	24	30	22
Chemicals	443	815	334	202	65	47	44	39	48	48	27
Petroleum	78	73	34	18	6	7	3	7	2	2	4
Rubber and plastics products	74	139	71	44	12	7	2	10	16	10	8
Leather products	32	75	41	10	5	-	3	3	1	1	2
Stone, clay, and glass products	103	212	138	88	19	25	15	13	11	14	13
Primary metals	173	366	160	110	24	23	22	22	23	19	24
Fabricated metal products	225	471	214	149	45	25	24	43	29	32	21
Machinery except electrical	397	817	413	265	59	45	48	44	51	58	54
Electrical machinery	573	1,180	478	229	67	45	35	47	47	54	46
Transportation equipment	272	483	218	94	39	31	10	12	20	32	20
Professional scientific instruments	189	407	172	84	21	16	9	20	22	24	19
Nonmanufacturing ²	463	1,268	1,063	758	252	148	124	156	171	159	145

- Represents zero. ¹ Includes miscellaneous and ordnance, not shown separately. ² Includes unknown.

**NO. 885. MERGERS AND ACQUISITIONS—COMPANIES ACQUIRED, BY ASSET SIZE OF ACQUIRING AND
ACQUIRED COMPANIES AND BY INDUSTRY: 1978 AND 1979**

(Excludes pending mergers and acquisitions)

ASSET SIZE	ACQUIRING COMPANY		ACQUIRED COMPANY		INDUSTRY	ACQUIRING COMPANY		ACQUIRED COMPANY	
	1978	1979	1978	1979		1978	1979	1978	1979
Total	1,279	1,214	1,279	1,214	Total	1,279	1,214	1,279	1,214
Under \$1 mil. ¹	197	136	895	749	Manufacturing	847	804	480	406
\$1 mil. to \$9.9 mil.	44	38	119	123	Mining	47	44	■	40
\$10.0 mil. to \$49.9 mil.	220	139	157	213	Wholesale, retail trade	113	105	154	144
\$50.0 mil. to \$99.9 mil.	148	146	48	57	Service and other ²	321	309	151	165
\$100.0 mil. and over	670	759	82	75	Unknown	151	152	438	480

¹ Includes companies of unknown asset size. ² Companies in insurance, construction, farming, finance, credit, real estate, transportation, communication, electric, gas, sanitary services; and holding companies.

Source of tables 883-885: U.S. Federal Trade Commission, *Statistical Report on Mergers and Acquisitions*, annual.

No. 886. NEW BUSINESS CONCERNS AND BUSINESS FAILURES: 1960 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series V 21-24]

FORMATIONS AND FAILURES	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Business formations:											
Index, net formations ¹ (1967=100).....	94.5	98.5	107.1	111.2	108.8	117.2	126.5	132.9	131.7	121.1	113.4
New incorporations (1,000).....	183	204	284	319	326	376	436	478	525	534	582
Failures, number ² (1,000).....	15.4	13.5	10.7	9.9	11.4	9.8	7.9	8.6	7.6	11.7	16.8
Rate per 10,000 concerns.....	57	53	44	38	43	35	28	34	28	42	61

¹Source: U.S. Bureau of Economic Analysis.²See footnote 2, table 887.Source: Except as noted, Dun & Bradstreet, New York, N.Y., *Monthly New Business Incorporation Report*.

No. 887. INDUSTRIAL AND COMMERCIAL FAILURES—NUMBER AND LIABILITIES: 1946 TO 1981

[Excludes Hawaii prior to 1975, Alaska prior to 1978. Excludes all railroad failures. Excludes real estate and financial companies. See also *Historical Statistics, Colonial Times to 1970*, series V 20-30]

YEARLY AVERAGE OR YEAR	Total concerns in business ¹ (1,000)	FAILURES ²				YEARLY AVERAGE OR YEAR	Total concerns in business ¹ (1,000)	FAILURES ²			
		Number	Rate per 10,000 concerns	Current liabilities ³ (mil. dol.)	Average liability (\$1,000)			Number	Rate per 10,000 concerns	Current liabilities ³ (mil. dol.)	Average liability (\$1,000)
1946-1950.....	2,493	5,952	21	213	45	1970.....	2,442	10,748	44	1,886	176
1951-1955.....	2,635	9,317	35	370	39	1971.....	2,466	10,326	42	1,917	186
1956-1960.....	2,674	14,177	53	706	50	1972.....	2,490	9,568	38	2,000	209
1961-1965.....	2,665	14,849	57	1,281	86	1973.....	2,567	9,345	36	2,299	246
1966-1970.....	2,481	10,993	44	1,324	121	1974.....	2,591	9,915	38	3,053	308
1971-1975.....	2,558	10,117	40	2,730	270	1975.....	2,679	11,432	43	4,360	383
1976-1980.....	2,770	8,894	31	3,213	371	1976.....	2,782	9,629	35	3,011	313
1981.....	2,527	13,514	53	1,322	98	1977.....	2,793	7,919	28	3,095	391
1946.....	2,527	13,514	53	1,322	98	1978.....	2,786	6,610	24	2,656	401
1947.....	2,520	13,081	52	1,386	108	1979.....	2,708	7,564	28	2,667	363
1948.....	2,519	12,354	49	1,265	102	1980.....	2,780	11,742	42	4,635	385
1949.....	2,481	9,638	39	941	68	1981.....	2,745	16,794	61	6,955	414
1950.....	2,444	9,154	37	1,142	125						

¹Data represent number of names listed in July issue of *Dun & Bradstreet Reference Book*. ²Includes concerns discontinued following assignment, voluntary or involuntary petition in bankruptcy, attachment, execution, foreclosure, etc., voluntary withdrawals from business with known loss to creditors; also enterprises involved in court action, such as receivership and reorganization or arrangement which may or may not lead to discontinuance; and businesses making voluntary compromise with creditors out of court. ³Liabilities exclude long-term publicly held obligations; offsetting assets are not taken into account.

No. 888. INDUSTRIAL AND COMMERCIAL FAILURES—NUMBER AND LIABILITIES, BY STATES: 1960 AND 1981

STATE	NUMBER		CURRENT LIABILITIES ¹ (mil. dol.)		STATE	NUMBER		CURRENT LIABILITIES ¹ (mil. dol.)		STATE	NUMBER		CURRENT LIABILITIES ¹ (mil. dol.)	
	1960	1981	1960	1981		1960	1981	1960	1981		1960	1981	1960	1981
U.S.....	11,742	16,794	4,625.1	6,955.2	W.Va.....	112	176	36.0	36.6	W.Va.....	1,378	1,699	612.6	816.6
Ala.....	484	553	217.0	265.4	Mo.....	61	51	12.6	18.1	Ark.....	93	138	43.6	57.0
ME.....	62	77	23.7	16.5	N. Dak.....	69	67	19.7	24.1	La.....	133	205	77.2	71.3
N.H.....	15	11	1.5	3.7	S. Dak.....	119	133	31.0	47.0	Okla.....	254	216	83.7	110.9
Vt.....	12	25	1.7	8.4	Kans.....	142	187	24.6	45.1	Tex.....	696	1,040	409.1	571.4
Mass.....	235	226	145.1	158.3	S.A.....	1,127	1,943	350.1	637.1	MT.....	416	757	98.8	233.7
R.I.....	18	36	10.7	11.9	Del.....	17	48	5.0	9.1	Mont.....	66	64	26.7	9.8
Conn.....	122	178	34.2	56.6	Md.....	127	177	20.5	50.7	Idaho.....	58	59	12.6	24.1
MA.....	1,580	2,143	703.9	2,286.7	D.C.....	-	24	-	66.6	Wyo.....	2	2	.2	1.1
N.Y.....	583	823	362.3	1,374.2	Va.....	234	378	55.6	107.8	Colo.....	133	224	36.6	45.9
N.J.....	430	521	182.7	372.6	W. Va.....	36	136	46.1	67.5	N. Mex.....	53	60	9.2	12.9
Pa.....	557	799	158.9	538.9	N.C.....	194	305	51.2	71.8	Ariz.....	18	91	1.9	24.2
E.N.C.....	2,081	2,825	1,379.8	748.3	S.C.....	-	41	-	15.5	Utah.....	26	155	4.6	86.2
Ohio.....	432	680	91.2	138.5	Ga.....	237	283	104.2	94.9	Nev.....	40	82	8.0	30.3
Ind.....	211	219	58.5	67.1	Fla.....	282	550	66.4	153.1	Pac.....	2,982	4,632	806.8	1,229.8
Ill.....	653	726	175.9	198.7	E.S.C.....	841	1,134	234.1	266.9	Wash.....	696	820	125.0	151.3
Mich.....	604	667	90.6	251.8	Ky.....	153	223	24.6	54.8	Oreg.....	255	620	127.5	148.5
Wis.....	191	353	49.4	103.2	Tenn.....	449	603	115.0	129.0	Calif.....	1,849	2,949	521.7	897.7
W.Va.....	863	1,309	326.2	488.0	Ala.....	154	148	61.9	41.9	Hawaii.....	63	69	21.6	23.5
Minn.....	280	343	178.0	248.8	Miss.....	86	160	22.6	40.2	Alaska.....	79	54	12.9	10.5
Iowa.....	100	252	25.3	69.1										

- Represents zero.

¹See headnote, and footnotes 2 and 3, table 887.Source of tables 887 and 888: Dun & Bradstreet, New York, N.Y., *The Failure Record Through 1980 and Monthly Failure Report*.

NO. 888. INDUSTRIAL AND COMMERCIAL FAILURES—NUMBER AND LIABILITIES, BY INDUSTRY AND SIZE OF LIABILITY: 1970 TO 1981

[Excludes Hawaii prior to 1975, Alaska prior to 1977. See footnotes 2 and 3, table 887.]

INDUSTRY AND SIZE OF LIABILITY	FAILURES						CURRENT LIABILITIES (mil. dol.)					
	1970	1975	1976	1977	1980	1981	1970	1975	1976	1977	1980	1981
Total	10,748	11,432	8,519	7,584	11,742	15,794	1,888	4,380	2,856	2,887	4,835	6,955
Mining and manufacturing	2,035	1,845	1,013	1,165	1,589	2,223	816	1,021	679	970	1,885	2,389
Under \$100,000	1,069	789	381	424	501	731	43	35	18	21	25	37
\$100,000 and over	966	856	632	741	1,088	1,492	775	986	661	949	1,860	2,352
Wholesale trade	884	1,089	740	908	1,284	1,709	179	407	345	421	591	1,130
Under \$100,000	650	611	313	342	488	590	27	28	15	17	24	31
\$100,000 and over	334	478	427	566	816	1,119	152	379	331	404	567	1,099
Retail trade	4,550	4,799	2,889	3,183	4,910	5,682	361	1,836	777	637	964	1,559
Under \$100,000	3,984	3,520	1,916	1,920	2,898	3,739	124	136	86	88	130	190
\$100,000 and over	666	1,279	973	1,263	2,212	3,143	238	1,700	692	549	834	1,369
Construction	1,687	2,262	1,204	1,378	2,355	3,614	232	641	328	291	752	852
Under \$100,000	1,229	1,433	650	716	1,147	1,840	42	58	28	33	58	66
\$100,000 and over	458	829	554	660	1,208	1,774	190	583	300	258	694	786
Commercial services	1,392	1,837	773	930	1,584	2,366	299	475	326	348	413	1,048
Under \$100,000	1,087	1,151	452	526	888	1,333	33	42	18	21	38	80
\$100,000 and over	305	486	321	404	726	1,033	266	433	308	327	375	968

Source: Dun & Bradstreet, New York, N.Y., *The Failure Record Through 1980 and Monthly Failure Report*.

NO. 890. BANKRUPTCY ESTATES FILED AND PENDING: 1905 TO 1981

[In thousands. For years ending June 30, except 1906 ending Sept. 30. Covers all U.S. bankruptcy courts. Bankruptcy estates "Filed" means the commencement of a proceeding through the presentation of a petition to the clerk of the bankruptcy court; "Pending" is a proceeding in which the administration has not been completed.]

YEAR	Filed	Pending	YEAR	Filed	Pending	YEAR	Filed	Pending	YEAR	Filed	Pending
1905	17	28	1945	13	21	1965	180	162	1973	173	189
1910	18	26	1950	33	38	1966	192	169	1974	190	201
1915	28	44	1955	59	56	1967	206	185	1975	254	262
1920	14	30	1960	110	95	1968	198	184	1976	247	271
1925	46	60	1961	147	124	1969	165	179	1977	214	254
1930	63	61	1962	148	134	1970	184	191	1978	203	240
1935	66	65	1963	155	148	1971	201	201	1979	226	258
1940	53	55	1964	172	157	1972	183	197	1980	361	421
									1981	519	618

Source: Administrative Office of the United States Courts, *Annual Report of the Director*.

NO. 891. BANKRUPTCY ESTATES FILED, BY TYPE OF BANKRUPTCY AND CHAPTER OF THE BANKRUPTCY ACT/CODE: 1972 TO 1981

[For years ended June 30]

ITEM	1972	1973	1974	1975	1976	1977	1978	1979	1980 ¹	1981
Total	182,889	173,197	189,513	254,484	246,549	214,386	202,951	226,478	380,857	519,263
Business	18,132	17,480	20,748	30,130	35,201	32,189	30,528	29,500	46,071	66,333
Non-business	164,737	155,707	168,765	224,354	211,348	182,210	172,423	196,978	314,886	452,730
Voluntary	181,752	172,200	188,483	253,186	245,383	213,257	201,844	225,548	359,788	517,729
Involuntary	1,117	997	1,020	1,298	1,166	1,142	1,007	927	1,184	1,333
Act	Code									
Chapters I-VII	Chapter 7 ²	153,934	145,914	157,971	209,330	209,087	181,194	168,771	183,259	275,850
Chapter IX	Chapter 9 ³	1	-	2	-	2	1	2	1	-
Chapter X	(X)	105	101	183	189	141	98	75	63	17
Chapter XI	Chapter 11 ⁴	1,381	1,486	2,171	3,506	3,235	3,048	3,288	3,042	5,441
Chapter XII	(X)	92	92	172	260	525	640	650	860	212
Chapter XIII	Chapter 13 ⁵	27,373	25,832	29,019	41,178	33,579	29,422	30,185	39,442	79,432
Section 77 ⁶	(X)	3	-	15	1	-	-	2	-	-
(X)	Section 304 ⁷	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	5

- Represents zero. X Not applicable. ¹For the first three months of 1980 the Judiciary operated under the Bankruptcy Act and for the last nine months under both the Bankruptcy Act and the new bankruptcy code established by the Bankruptcy Reform Act of 1978. ²Includes five Section 304 cases filed under the Reform Act in 1980 and 1 in 1981 which are not included in the subcategories of voluntary/involuntary. ³Chapter 7, liquidation of non-exempt assets of businesses or individuals. ⁴Chapter 9, adjustment of debts of a municipality. ⁵Chapter 11, individual or business reorganization. ⁶Chapter 13, adjustment of debts of an individual with regular income. ⁷Section 77, railroad reorganization, no longer applies. Subchapter IV of Chapter 11 now provides for railroad reorganization. ⁸11 U.S.C., Section 304, cases ancillary to foreign proceedings.

Source: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

No. 892. GROSS DOMESTIC PRODUCT (GDP) OF CORPORATE BUSINESS: 1960 TO 1981

[In billions of dollars. For explanation of GDP, see text, p. 415. Excludes gross product originating in the rest of the world. Minus sign (–) denotes negative value. See *Historical Statistics, Colonial Times to 1970*, series V 141–166, for single-year figures prior to revisions issued in 1981]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Gross domestic product (GDP).....	292.4	413.7	506.9	937.6	1,053.9	1,192.7	1,354.9	1,505.3	1,635.5	1,837.1
Net domestic product.....	265.1	380.3	542.8	838.1	944.0	1,071.3	1,217.3	1,347.8	1,454.2	1,630.9
Indirect business tax ¹	29.9	43.9	86.3	101.7	110.2	118.2	128.0	136.9	155.8	186.1
Domestic income.....	235.2	336.5	476.5	736.4	833.8	953.1	1,089.3	1,210.9	1,298.5	1,444.8
Compensation of employees.....	190.8	259.7	400.8	617.4	694.4	783.0	894.9	1,015.2	1,107.3	1,224.5
Corporate profits with IVA and CCAAdj ²	44.6	75.5	84.9	97.5	123.8	152.1	172.7	164.2	151.3	167.8
Profits before tax.....	46.8	72.8	68.9	119.2	152.0	179.6	209.4	222.1	212.1	209.3
Profits tax liability.....	22.7	30.9	34.2	50.6	63.8	72.7	83.2	87.6	84.7	81.2
Profits after tax.....	24.1	41.9	34.8	68.6	88.2	106.9	126.2	134.5	127.5	128.1
Dividends.....	11.0	15.9	18.7	24.7	29.1	30.5	36.5	37.6	39.7	50.8
Undistributed profits.....	13.2	26.0	16.1	43.9	59.1	76.4	89.7	96.9	87.8	77.3
IVA ³	–2	–1.2	–6.6	–11.6	–14.7	–16.2	–24.0	–43.1	–43.0	–24.6
CCAAdj ³	–2.0	4.0	2.5	–10.1	–13.5	–11.3	–12.7	–14.8	–17.8	–16.8
Net interest.....	–3	1.2	10.8	21.5	15.5	18.0	21.7	31.5	39.9	52.5
Capital consumption allowances ³	27.3	33.4	54.1	99.5	109.9	121.5	137.6	157.5	181.2	206.2
GDP of nonfinancial corporate business.....	277.0	393.6	563.7	890.0	1,001.3	1,128.4	1,276.2	1,416.8	1,537.7	1,732.3
Net domestic product.....	250.2	380.9	511.4	795.1	896.5	1,012.7	1,145.3	1,267.3	1,365.7	1,536.5
Indirect business tax ¹	28.3	41.1	63.4	97.1	105.3	112.6	122.0	130.5	148.6	178.3
Domestic income.....	221.9	319.8	448.1	697.9	791.2	900.1	1,023.3	1,136.7	1,217.1	1,358.2
Compensation of employees.....	181.1	246.1	376.4	581.1	654.4	738.5	844.3	958.1	1,041.7	1,150.1
Corporate profits with IVA and CCAAdj ²	37.4	67.7	52.7	86.1	107.3	129.5	142.1	134.7	123.0	145.6
Profits before tax.....	39.7	65.2	56.8	107.3	135.0	156.5	178.4	191.8	183.0	186.6
Profits after tax.....	20.5	38.0	29.8	66.1	82.3	98.8	111.5	122.5	118.2	123.3
IVA ³	–2	–1.2	–6.6	–11.6	–14.7	–16.2	–24.0	–43.1	–43.0	–24.6
CCAAdj ³	–2.1	3.7	2.4	–9.7	–13.0	–10.8	–12.3	–13.9	–17.0	–16.3
Net interest.....	3.5	6.1	17.0	30.8	29.5	32.1	36.9	43.9	52.4	62.5
Capital consumption allowances ³	26.8	32.7	52.2	94.9	104.8	115.7	130.9	149.6	172.0	195.8
CONSTANT (1972) DOLLARS										
GDP of nonfinancial corporate business.....	358.4	495.2	599.8	694.2	745.5	795.8	846.3	876.1	880.3	881.3
Net domestic product.....	322.1	452.1	542.8	622.4	671.0	718.4	765.1	790.4	770.2	767.0
Indirect business tax ¹	41.4	54.5	67.4	79.1	82.7	87.4	91.1	92.7	93.0	94.7
Domestic income.....	280.7	397.6	475.4	543.3	588.3	631.0	674.0	697.7	677.2	682.2

¹ Plus business transfer payments less subsidies. ² Inventory valuation and capital consumption adjustments, closest to profits as measured on corporation's own books. ³ With capital consumption adjustments.
Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–76*, and *Survey of Current Business*, July 1982.

No. 893. RATES OF RETURN ON CURRENT-DOLLAR NET REPRODUCIBLE TANGIBLE NONFINANCIAL CORPORATE CAPITAL STOCK USING VARIOUS PROFIT MEASURES: 1960 TO 1980

[In percent: The profits concept emphasized in the national income and product account (NIPA) is profits from current production. The NIPA measure excludes capital gains and losses from income and resembles Pigou's concept in that NIPA profits are the excess of income over expenses beyond that necessary to maintain tangible capital intact. See A.C. Pigou, "Maintaining Capital Intact," *Economica* (August 1941): 271–75. See source pp. 30–42 for details]

YEAR	NIPA profits	NIPA profits plus net interest	After-tax NIPA profits	After-tax NIPA profits plus net interest	Reported profits ¹	Reported profits plus net interest	After-tax reported profits	After-tax reported profits plus net interest
1950.....	10.2	11.1	4.9	5.9	10.8	11.8	5.5	6.5
1965.....	14.8	16.1	8.8	10.2	14.2	15.6	8.1	9.6
1970.....	7.1	9.5	3.5	5.8	7.7	10.0	3.8	6.3
1971.....	7.8	10.1	4.1	6.3	8.2	10.5	4.2	6.7
1972.....	8.5	10.7	4.6	6.8	8.9	11.1	4.9	7.2
1973.....	8.2	10.6	4.0	6.4	10.0	12.4	5.5	8.2
1974.....	5.5	8.1	1.9	4.4	9.1	11.7	5.2	8.1
1975.....	8.5	8.8	3.4	5.7	8.1	10.4	4.6	7.3
1976.....	7.5	9.6	3.8	5.9	9.4	11.5	5.4	7.8
1977.....	8.2	10.2	4.4	6.4	9.9	11.9	6.1	8.1
1978.....	8.0	10.0	4.2	6.3	10.0	12.1	6.3	8.3
1979.....	6.6	6.8	3.2	5.4	9.4	11.6	6.0	8.2
1980.....	5.3	7.5	2.5	4.8	7.9	10.1	5.1	7.3

¹ Represents profits before tax which is equal to NIPA profits less the inventory valuation and capital consumption adjustments, closest to profits as measured on corporation's own books.
Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, January 1982.

NO. 884. NONFINANCIAL CORPORATE BUSINESS-SECTOR BALANCE SHEET: 1960 TO 1981

[In billions of dollars. Represents year-end outstandings. 1981 preliminary]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total assets	830	825	1,341	1,674	1,848	2,080	2,273	2,513	2,848	3,284	3,688	3,888
Tangible assets	449	505	671	1,148	1,429	1,532	1,682	1,850	2,091	2,408	2,710	2,883
Reproducible	368	489	758	1,011	1,267	1,361	1,478	1,644	1,857	2,143	2,418	2,655
Land	81	97	113	137	163	171	188	206	234	266	294	308
Financial assets	182	259	370	526	517	558	611	663	758	875	958	1,033
Liquid assets	51	63	89	101	106	125	140	144	165	172	186	198
Demand deposits and currency	28	33	44	46	48	54	58	58	62	68	70	73
Time deposits	9	9	5	17	20	22	24	29	31	36	38	43
Consumer credit	11	15	17	22	22	23	24	25	28	29	31	33
Trade credit	81	119	189	267	244	250	268	299	358	427	461	498
Miscellaneous assets	38	62	94	137	145	160	179	194	216	246	281	304
Total liabilities	238	361	563	784	817	857	933	1,038	1,185	1,370	1,484	1,683
Credit market instruments	154	224	378	523	501	534	587	709	800	972	1,082	1,181
Profit taxes payable	14	20	11	16	17	14	22	20	24	24	17	10
Trade debt	64	98	162	235	174	180	184	215	261	320	348	363
Foreign direct investment in U.S.	7	9	13	21	26	28	31	35	42	54	65	80
Net worth	591	474	678	891	1,129	1,233	1,340	1,475	1,663	1,914	2,174	2,243

Source: Board of Governors of the Federal Reserve System, *Balance Sheets For U.S. Economy*.

NO. 885. WORKING CAPITAL OF NONFINANCIAL CORPORATIONS: 1971 TO 1981

[In billions of dollars, except ratios. As of December 31. Covers all nonfinancial U.S. corporations]

ITEM	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Current assets	529.8	599.3	667.8	734.8	786.3	833.1	880.9	1,026.1	1,200.9	1,381.8	1,581.4
Cash on hand and in banks ¹	53.3	59.0	66.3	73.0	80.0	86.8	94.3	103.7	118.1	121.0	124.5
U.S. Government securities	11.0	10.6	12.8	11.3	19.6	22.1	18.7	17.6	15.8	17.3	15.8
Receivables, total ²	221.1	246.2	266.5	265.5	272.1	292.4	325.0	381.9	458.8	491.2	512.3
Inventories	200.4	225.7	263.9	318.9	314.7	341.4	375.6	428.3	501.7	525.4	565.3
Other current assets	43.8	58.8	68.4	66.9	69.9	78.4	87.3	96.3	110.7	126.7	143.4
Current liabilities	328.8	375.8	458.9	481.8	448.8	487.5	546.8	651.9	808.1	877.2	962.3
Payables	220.5	282.8	340.3	272.3	261.2	273.2	313.7	375.1	458.3	496.3	541.3
Other current liabilities	108.3	92.7	118.7	209.5	187.6	214.2	233.1	276.8	350.8	380.9	421.0
Net working capital	201.0	223.7	248.9	252.9	308.5	345.6	334.1	368.2	392.8	404.4	389.1
Liquidity ratio ³	.332	.334	.332	.332	.379	.388	.386	.329	.300	.302	.295
Current ratio ⁴	1.626	1.595	1.546	1.626	1.693	1.688	1.648	1.553	1.484	1.461	1.416

¹Includes time certificates of deposits. ²Includes U.S. Government receivables. ³Cash plus U.S. Government securities plus "other current assets," divided by "current liabilities." ⁴"Current assets" divided by "current liabilities."Source: U.S. Federal Trade Commission, in Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*.

NO. 886. LARGEST MANUFACTURING CORPORATIONS—PERCENT SHARE OF ASSETS HELD: 1950 TO 1981

[Prior to 1970, excludes newspapers. Data prior to 1974 not strictly comparable with later years.]

CORPORATION RANK GROUP	1950	1955	1960	1965	1970	1972	1974	1975	1976	1977	1978	1979	1980	1981
100 largest	39.7	44.3	48.1	48.5	48.5	44.7	44.4	45.0	45.4	45.9	46.1	46.1	46.7	46.8
200 largest	47.7	51.7	55.7	58.7	60.4	58.9	58.7	57.5	58.0	58.5	58.3	58.1	58.7	60.0

Source: U.S. Federal Trade Commission, unpublished data.

NO. 887. LARGEST MANUFACTURING COMPANIES—PERCENT SHARE OF TOTAL VALUE ADDED BY MANUFACTURE: 1947 TO 1977

["Largest companies" are those which were largest in each of the specified years in terms of value added. For details, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series P 177-180]

COMPANY RANK	1947 Cen- sus	1954 Cen- sus	1958 Cen- sus	1962 ASM	1963 Cen- sus	1966 ASM	1967 Cen- sus	1970 ASM	1972 Cen- sus	1976 ASM	1977 Cen- sus
Largest 50 companies	17	25	25	24	25	25	26	24	25	24	24
Largest 100 companies	25	30	30	32	33	33	33	38	38	38	39
Largest 150 companies	27	34	35	36	37	38	38	38	38	40	39
Largest 200 companies	30	37	38	40	41	42	42	43	43	44	44

Source: U.S. Bureau of the Census, *Census of Manufactures and Annual Survey of Manufactures (ASM)*.

NO. 898. ACTIVE CORPORATION INCOME TAX RETURNS—SELECTED ITEMS: 1960 TO 1979

[In billions of dollars, except number of returns. Federal returns and active corporations only. See headnote, table 442. See also *Historical Statistics, Colonial Times to 1970*, series V 129-136]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979
Number of returns (1,000)	1,140	1,424	1,666	1,968	2,024	2,082	2,242	2,337	2,557
Returns with—									
Assets, end of year (1,000)	1,066	1,380	1,619	1,803	1,952	2,017	2,185	2,306	2,487
Net income (1,000)	870	815	1,008	1,208	1,226	1,274	1,426	1,524	1,588
Income tax less credits ¹ (1,000)	(NA)	(NA)	735	803	733	749	776	854	962
Total receipts ²	648.1	1,194.6	1,750.8	3,089.7	3,196.6	3,635.5	4,128.3	4,714.6	5,598.7
Business receipts	602.8	1,120.4	1,620.9	2,654.8	2,961.7	3,370.4	3,813.9	4,363.7	5,136.1
Interest ³	23.6	37.2	71.6	143.0	143.3	156.0	176.7	220.9	269.3
Receipts not specified	13.6	22.0	38.6	55.5	63.1	71.0	92.4	90.6	108.4
Total deductions ⁴	804.6	1,119.9	1,662.8	2,941.6	3,062.7	3,448.9	3,908.8	4,467.2	5,315.7
Cost of sales and operations	577.0	793.0	1,146.3	2,086.1	2,129.9	2,416.6	2,725.0	3,113.4	3,708.7
Interest paid	14.6	26.4	62.1	132.9	129.3	136.1	152.9	192.4	261.3
Deductions not specified	178.8	249.9	395.5	605.5	658.9	746.3	857.3	963.8	1,117.4
Receipts less deductions	44.6	74.7	87.9	148.1	133.9	186.6	219.5	247.4	283.0
Net income less deficit	43.5	73.9	85.9	146.0	142.6	185.4	219.2	248.9	284.6
Income tax ⁴	21.9	31.7	33.3	66.1	66.1	83.2	96.3	107.9	120.0
Income tax less credits ¹	20.6	27.3	27.9	41.1	39.7	49.8	56.7	64.4	66.9
Distributions to stockholders ⁵	17.2	26.0	32.0	49.3	45.2	54.8	61.5	70.3	66.6

NA Not available. ¹ Credits includes foreign tax, investment, work incentive (WIN) (beginning 1974), U.S. possessions tax (beginning 1976), and jobs credits (beginning 1977). ² Includes items not shown separately. ³ Includes interest on Government obligations and other interest. ⁴ Income tax is before deductions for credit; see footnote 1. Beginning 1966, includes tax from recomputing prior-year investment credit; 1970, includes tax surcharge. Beginning 1970, includes additional tax for tax preferences; beginning 1974, includes tax from recomputing prior-year work incentive (WIN) credit. ⁵ Other than own stock.

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Returns*, annual.

NO. 899. ACTIVE CORPORATIONS—INCOME TAX RETURNS, BY ASSET SIZE: 1960 TO 1979

[Figures are estimates based on samples of active corporations filing income tax returns; see Appendix III. See *Historical Statistics, Colonial Times to 1970*, series V 42, for total active corporations]

ASSET SIZE-CLASS	NUMBER OF RETURNS (1,000)						TOTAL ASSETS (bil. dol.)					
	1960	1965	1970	1975	1976	1979	1960	1965	1970	1975	1978	1979
Total	1,140.6	1,424.0	1,666.5	2,023.8	2,076.6	2,556.8	1,207	1,724	2,636	4,267	6,014	6,836
Under \$100,000 ¹	684.6	846.2	861.0	1,062.3	1,320.9	1,403.3	23	26	32	255	43	46
\$100,000-\$1 mil.	369.3	490.7	599.1	882.3	882.2	940.3	111	143	179	274	274	301
\$1 mil.-\$10 mil.	56.3	73.5	87.0	116.4	162.3	180.5	199	206	240	310	425	468
\$10 mil.-\$25 mil.	5.9	7.4	9.8	12.2	15.2	15.3	89	115	153	193	241	241
\$25 mil.-\$50 mil.	2.1	2.9	3.9	5.6	6.9	7.3	73	89	135	196	242	256
\$50 mil.-\$100 mil.	1.1	1.5	2.1	3.1	4.1	4.4	60	104	145	213	266	311
\$100 mil.-\$250 mil. ....	.8	1.1	1.4	2.1	2.7	3.0	119	165	222	331	423	462
\$250 mil. and over .....	.6	.8	1.2	1.9	2.6	2.7	552	662	1,530	2,790	4,078	4,746

¹ Includes returns with zero assets.

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Returns*, annual.

NO. 900. ACTIVE CORPORATIONS—ASSETS AND LIABILITIES: 1960 TO 1979

[In billions of dollars. See headnote, table 442. For number of income tax returns, see table 898. See also *Historical Statistics, Colonial Times to 1970*, series V 108-127]

ASSETS AND LIABILITIES	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Assets ¹	1,207	1,724	2,636	2,889	3,257	3,849	4,016	4,267	4,721	5,326	6,014	6,836
Cash	87	117	177	196	228	259	281	290	315	362	413	462
Notes and accounts receivable ²	242	392	595	650	782	891	996	1,021	1,137	1,304	1,551	1,771
Inventories	61	126	190	169	224	263	312	318	351	396	443	503
Mortgage and real estate loans	129	(NA)	328	366	416	463	506	546	598	661	762	841
Capital assets ³	293	395	600	634	685	750	831	892	969	1,076	1,196	1,348
Liabilities ¹	1,207	1,724	2,636	2,889	3,257	3,849	4,016	4,267	4,721	5,326	6,014	6,836
Notes and accounts payable ⁴	112	174	320	334	366	461	539	536	579	666	764	939
Other current liabilities	365	583	892	1,005	1,163	1,316	1,459	1,577	1,791	2,083	2,336	2,583
Bonded debt and mortgages ⁵	154	210	369	403	445	493	542	587	638	694	781	885
Surplus and undivided profits ⁶ (net)	269	375	561	599	666	730	776	843	938	1,064	1,185	1,364

NA Not available. ¹ Includes assets, or liabilities, not shown separately. ² Less allowance for bad debts. Includes loans and discounts of banks, except mortgage and real estate loans. ³ Less depreciation, amortization, and depletion reserves. Includes land and intangible assets. ⁴ Includes bonds, notes, and mortgages payable with maturity of less than 1 year.

⁵ With maturity of 1 year or more. ⁶ Beginning 1970, reduced by cost of treasury stock.

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Returns*, annual.

No. 901. ACTIVE CORPORATIONS—INCOME TAX RETURNS, BY ASSET SIZE AND INDUSTRY: 1979

[In billions of dollars, except as indicated. See headnote and footnotes, table 442. See also *Historical Statistics, Colonial Times to 1970*, series V 167-163 and V 193-198]

INDUSTRY AND ITEM	Total	ASSET SIZE-CLASS					
		Under 10 mil. dol. ¹	10-24.9 mil. dol.	25-49.9 mil. dol.	50-99.9 mil. dol.	100-249.9 mil. dol.	250 mil. dol. and over
All industrial divisions:²							
Number of returns	2,556,794	2,524,070	15,279	7,323	4,436	3,006	2,680
Total assets or liabilities	6,835.1	814.6	241.3	258.3	310.8	462.2	4,747.9
Total receipts	5,598.7	1,890.1	264.1	191.0	211.2	299.0	2,743.2
Total deductions ³	5,315.7	1,842.8	252.8	181.8	200.4	283.2	2,554.7
Cost of sales and operations	3,709.7	1,321.3	190.5	127.9	142.5	196.4	1,731.1
Interest and taxes paid	369.0	78.2	13.6	14.1	17.2	24.8	241.1
Depreciation and amortization	139.5	34.9	5.2	3.6	3.9	6.2	85.6
Depletion	7.8	.5	.2	.2	.2	.5	6.2
Net income less deficit ⁴	284.6	47.1	10.9	8.7	10.2	15.3	192.4
Income tax ⁵	120.0	18.1	4.7	3.8	4.0	6.3	83.1
Percent distribution:							
Number of returns	100.0	98.7	.6	.3	.2	.2	.1
Total assets or liabilities	100.0	11.9	3.5	3.8	4.6	6.8	69.5
Total receipts	100.0	33.8	4.7	3.4	3.8	5.3	49.0
Total deductions	100.0	34.7	4.8	3.4	3.8	5.3	48.1
Net income less deficit ⁴	100.0	16.6	3.8	3.1	3.6	5.4	67.6
Income tax ⁵	100.0	15.1	3.9	3.2	3.3	5.3	69.3
Agriculture, forestry, and fishing:							
Number of returns	83,489	83,294	173		12	6	4
Total assets or liabilities	36.0	30.7	3.3		.9	1.1	2.0
Total receipts	53.3	40.5	5.2		1.8	.9	4.9
Mining:							
Number of returns	23,919	23,331	296	107	81	53	51
Total assets or liabilities	115.1	13.9	4.7	3.8	5.7	8.2	78.8
Total receipts	132.5	18.7	3.9	2.8	4.8	4.5	97.8
Construction:							
Number of returns	249,887	248,808	755	188	82	32	22
Total assets or liabilities	123.3	79.9	11.3	6.4	5.8	5.0	14.9
Total receipts	252.9	192.3	17.4	7.5	6.5	7.4	21.8
Manufacturing:							
Number of returns	236,584	230,550	3,160	1,084	655	521	594
Total assets or liabilities	1,528.6	142.8	49.0	38.0	46.1	82.0	1,170.6
Total receipts	2,152.7	340.9	92.2	63.3	71.7	121.9	1,462.7
Transportation and public utilities:							
Number of returns	103,770	102,640	484	183	105	107	251
Total assets or liabilities	674.5	32.9	7.4	6.5	7.2	16.7	603.8
Total receipts	448.0	65.8	9.6	7.7	8.9	14.1	339.9
Wholesale and retail trade:							
Number of returns	772,598	768,492	2,525	762	409	247	163
Total assets or liabilities	573.3	275.0	37.9	26.4	28.4	37.5	166.1
Total receipts	1,752.7	972.8	109.5	75.0	82.2	99.5	413.7
Finance, insurance, real estate:⁶							
Number of returns	471,222	452,722	7,240	4,748	2,977	1,987	1,548
Total assets or liabilities	3,626.9	154.0	118.7	168.7	208.5	304.1	2,672.9
Total receipts	561.1	72.0	17.3	24.7	27.5	42.5	377.1
Services:							
Number of returns	603,445	602,341	673	216	115	53	47
Total assets or liabilities	154.0	83.9	10.1	7.5	8.1	7.7	36.7
Total receipts	245.1	184.7	11.0	8.0	7.9	8.3	25.2

¹Includes returns of corporations with zero assets. ²Includes data not shown separately. ³Includes deductions not specified. For deductions detail, see table 898. ⁴Excludes wholly tax-exempt interest but includes income from related foreign corporations considered received for tax purposes only. ⁵Income tax is before deductions for foreign tax, U.S. possessions tax, investment, work incentive (WIN) and new jobs credits. Includes additional tax for tax preferences, taxes from recomputing prior year investment, and work incentive (WIN) credits. ⁶Includes lessors of real property.

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Returns, 1979*.

No. 902. AVERAGE ANNUAL GROWTH RATE OF PHYSICAL CAPITAL PER HOUR WORKED IN PRIVATE BUSINESS: 1948 TO 1980

[In percent. Rates based on capital valued in constant (1972) dollars. Excludes nonprofit institutions and government enterprises; see also headnote, table 903. Minus sign (–) denotes decrease]

ITEM	1948- 1965	1965- 1973	1973- 1976	1976- 1980	1973- 1974	1974- 1975	1975- 1979	1976- 1977	1977- 1979	1975- 1978	1979- 1980
Total net.....	2.6	2.6	1.2	1.7	3.3	6.9	-1.1	-1.3	-1.7	-.1	3.3
Equipment.....	3.7	4.6	2.9	3.1	5.5	8.3	.1	.4	.1	1.6	4.5
Structures.....	2.3	2.2	.2	1.0	1.8	6.8	-1.9	-2.6	-3.1	-1.0	3.1
Inventories.....	2.9	3.2	.9	-.1	3.4	3.1	-.5	-.3	-1.0	-.6	.6
Land.....	1.1	-.4	-.3	-.1	.7	6.7	-1.8	-2.9	-3.9	-2.4	2.2

Source: U.S. Bureau of Labor Statistics, and Bureau of Economic Analysis, unpublished data.

**No. 903. FIXED NONRESIDENTIAL BUSINESS CAPITAL—COST VALUATION IN CURRENT AND CONSTANT
(1972) DOLLARS: 1960 TO 1981**

[In billions of dollars. Stocks as of Dec. 31; depreciation over entire calendar year. Data refer to privately owned assets and are based on the fixed capital formation components of the gross national product. Excludes residential capital and government enterprises, includes nonprofit institutions. Gross stocks allow for retirement; net stocks allow for retirement and depreciation. Estimates are based on straight-line depreciation and 85 percent of service lives given in *Bulletin F*, Internal Revenue Service. For single-year figures prior to revisions issued in 1981 and data in constant (1958) dollars, see *Historical Statistics of the United States, Colonial Times to 1970*, series F 480-527.]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
CURRENT DOLLARS											
All industries:¹											
Gross stocks	865.9	851.8	1,363.6	2,262.1	2,470.8	2,870.8	3,003.9	3,414.8	3,920.1	4,461.4	5,014.2
Equipment	338.4	411.5	845.1	1,010.8	1,157.3	1,277.7	1,433.6	1,826.1	1,858.5	2,117.1	2,403.5
Structures	349.5	440.1	718.6	1,251.3	1,313.3	1,383.0	1,570.3	1,788.6	2,061.7	2,344.3	2,610.7
Net stocks	380.2	467.2	807.3	1,334.7	1,440.8	1,542.8	1,728.8	1,960.3	2,248.2	2,547.5	2,849.2
Equipment	181.9	226.7	368.9	576.0	651.4	712.5	797.6	907.3	1,038.8	1,176.1	1,324.4
Structures	198.3	260.5	438.4	758.7	789.4	830.3	929.3	1,053.0	1,209.4	1,371.4	1,524.8
Depreciation	36.2	43.9	89.8	106.9	126.8	139.0	164.4	175.2	201.6	231.6	262.4
Equipment	24.6	30.0	47.6	70.2	84.8	94.7	106.0	119.7	137.0	156.9	178.3
Structures	11.4	13.9	22.2	36.7	42.0	44.4	48.3	55.5	64.6	74.7	84.1
Manufacturing:											
Gross stocks	179.4	217.2	343.6	529.2	577.3	623.0	703.1	797.5	922.4	1,058.1	1,196.2
Equipment	109.3	126.1	186.1	299.4	346.3	388.0	438.7	498.5	577.6	673.1	761.1
Structures	76.1	91.1	145.5	229.7	229.1	237.0	264.4	301.0	344.8	385.0	414.1
Net stocks	95.8	116.4	191.2	292.7	319.3	343.9	398.2	438.2	506.3	566.3	633.8
Equipment	54.7	68.2	112.3	170.4	196.2	219.0	248.6	281.0	328.1	368.1	445.3
Structures	40.9	48.1	78.9	122.3	121.2	124.8	138.5	157.2	180.7	202.5	218.5
Depreciation	10.0	12.0	18.9	26.5	31.8	34.5	38.5	43.2	50.1	58.5	67.2
Equipment	7.3	8.8	14.0	19.0	23.3	26.1	29.5	33.2	38.5	45.1	52.8
Structures	2.7	3.1	4.9	7.5	8.3	8.4	8.9	10.1	11.7	13.4	14.4
Nonfarm nonmfg:											
Gross stocks	452.6	570.4	927.2	1,561.5	1,726.6	1,868.0	2,094.2	2,376.8	2,721.5	3,091.0	3,471.7
Equipment	199.8	246.7	394.9	629.9	716.4	787.1	877.4	992.5	1,128.4	1,269.1	1,423.5
Structures	253.0	323.7	532.3	951.7	1,012.2	1,078.9	1,216.8	1,383.3	1,593.1	1,822.0	2,048.1
Net stocks	255.0	335.0	563.1	954.8	1,026.4	1,093.9	1,219.9	1,382.0	1,579.3	1,782.5	1,990.3
Equipment	109.9	138.0	226.3	380.3	401.5	434.9	498.7	549.7	624.6	686.6	773.1
Structures	145.1	196.9	334.7	594.5	624.9	658.9	736.8	832.3	954.7	1,085.9	1,217.2
Depreciation	23.0	28.3	45.7	72.6	86.2	94.6	104.7	119.2	136.7	166.2	178.5
Equipment	14.8	18.2	29.4	45.4	54.5	60.6	67.5	76.3	88.9	98.4	110.6
Structures	8.2	10.1	16.2	27.4	31.7	34.0	37.2	42.9	48.8	57.8	67.9
CONSTANT (1972) DOLLARS											
All industries:¹											
Gross stocks	977.9	1,155.3	1,452.6	1,714.7	1,786.9	1,821.9	1,888.0	1,966.6	2,066.8	2,137.5	2,220.2
Equipment	427.4	504.8	865.1	819.2	850.7	885.4	929.4	985.8	1,045.1	1,097.2	1,148.0
Structures	550.5	650.5	787.5	895.5	916.1	939.5	958.6	984.0	1,011.7	1,040.3	1,072.2
Net stocks	543.2	662.9	861.1	1,012.4	1,033.7	1,068.9	1,089.5	1,135.3	1,184.6	1,226.3	1,268.5
Equipment	229.7	276.9	379.7	467.8	480.4	495.7	519.2	553.2	588.7	615.8	641.1
Structures	313.6	386.0	480.3	544.6	553.3	561.2	570.3	582.1	595.9	610.5	627.5
Depreciation	49.5	58.2	76.2	92.1	96.1	98.6	103.8	109.2	115.3	121.3	126.8
Equipment	31.8	37.3	50.8	63.4	66.6	68.4	73.0	77.5	82.8	87.8	92.3
Structures	17.7	20.9	25.4	28.7	29.5	30.1	30.8	31.6	32.5	33.5	34.5
Manufacturing:											
Gross stocks	263.9	296.0	369.8	407.7	420.1	433.6	450.8	469.8	494.7	523.7	553.8
Equipment	136.2	157.3	204.4	241.5	253.0	265.4	281.0	297.6	318.7	345.8	372.5
Structures	127.7	138.7	159.1	166.2	167.1	168.2	169.7	172.0	175.0	177.9	181.3
Net stocks	140.4	158.1	202.2	225.9	232.7	239.7	249.2	259.5	275.1	293.6	311.6
Equipment	71.9	84.8	115.8	137.4	144.3	151.1	160.3	169.7	183.3	200.0	216.1
Structures	68.6	73.2	86.3	88.5	88.4	88.6	88.9	89.8	91.7	93.6	95.7
Depreciation	14.1	15.9	20.4	23.0	24.0	25.0	26.1	27.6	29.4	31.7	34.3
Equipment	9.6	11.1	14.8	17.1	18.0	18.0	20.1	21.6	23.1	25.3	27.8
Structures	4.4	4.8	5.6	5.9	6.0	6.0	6.1	6.1	6.2	6.4	6.5
Nonfarm nonmfg:											
Gross stocks	836.2	772.8	986.7	1,193.3	1,226.5	1,265.1	1,309.0	1,365.9	1,422.7	1,471.3	1,521.7
Equipment	246.5	290.6	405.0	514.6	532.0	551.8	577.3	613.6	647.8	672.4	696.7
Structures	368.6	473.2	581.7	678.7	696.5	713.5	731.7	752.4	774.9	798.9	825.0
Net stocks	359.2	458.1	600.7	721.1	732.6	748.6	765.8	797.6	826.6	851.0	874.8
Equipment	134.8	166.9	233.6	295.3	299.4	308.2	319.1	341.8	361.9	372.4	382.1
Structures	224.4	290.2	366.9	425.7	433.2	439.6	446.7	455.0	464.6	478.6	492.8
Depreciation	30.9	37.6	60.1	62.7	63.7	67.7	70.4	74.0	78.1	81.5	84.3
Equipment	18.5	22.5	31.3	41.3	43.3	45.0	47.1	50.1	53.4	56.1	58.0
Structures	12.4	15.0	18.5	21.5	22.1	22.7	23.3	23.9	24.6	25.4	26.3

¹ Includes farm, not shown separately.

Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1925-79*, and *Survey of Current Business*, August 1982.

NO. 904. FIXED NONRESIDENTIAL BUSINESS CAPITAL—AVERAGE AGE OF GROSS STOCKS, CONSTANT (1972) COST VALUATION: 1960 TO 1981

(Age in years. As of Dec. 31. See headnote, table 903, and *Historical Statistics, Colonial Times to 1970*, series F 516-527)

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
All industries: Gross stocks	12.0	11.2	10.3	10.0	10.1	10.1	10.1	10.1	10.0	10.0	10.0
Equipment	7.1	7.0	6.6	6.3	6.4	6.4	6.4	6.3	6.3	6.3	6.3
Structures	15.9	14.6	13.6	13.4	13.6	13.7	13.8	13.9	14.0	14.0	14.1
Manufacturing: Gross stocks	10.8	10.7	9.8	9.7	9.8	9.6	9.5	9.4	9.2	9.0	8.8
Equipment	7.3	7.2	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.3	6.2
Structures	14.5	14.6	14.0	14.2	14.2	14.3	14.3	14.3	14.2	14.2	14.1
Nonfarm nonmfg.: Gross stocks	12.7	11.5	10.4	10.1	10.2	10.3	10.4	10.3	10.3	10.4	10.4
Equipment	7.0	6.9	6.4	6.1	6.3	6.3	6.3	6.2	6.2	6.2	6.3
Structures	16.3	14.3	13.2	13.1	13.2	13.4	13.8	13.7	13.6	13.9	14.0
Farm: Gross stocks	11.0	10.6	10.5	10.4	10.4	10.3	10.3	10.2	10.2	10.4	10.6
Equipment	7.0	7.2	6.7	6.6	6.4	6.4	6.4	6.3	6.3	6.5	6.7
Structures	16.1	15.4	15.2	15.4	15.3	15.3	15.2	15.1	15.2	15.3	15.5

Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1925-79*, and unpublished data.

NO. 905. GROSS PRIVATE DOMESTIC INVESTMENT IN CURRENT AND CONSTANT (1972) DOLLARS: 1960 TO 1981

(in billion of dollars)

ITEM	1960	1965	1970	1973	1974	1975	1979	1980	1981
CURRENT DOLLARS									
Gross private domestic investment	75.8	113.6	144.2	228.6	228.7	206.1	423.0	402.3	471.5
Less: Capital consumption allowances ¹	46.3	56.0	66.1	116.5	136.0	159.3	256.0	293.2	330.1
Equals: Net private domestic investment	29.6	57.6	78.2	112.3	92.7	46.8	167.0	109.1	141.4
Fixed investment	72.6	103.7	141.0	211.3	214.5	213.0	408.6	412.4	461.1
Nonresidential	46.5	72.7	103.9	143.3	156.6	157.7	290.2	309.2	346.1
Structures	18.8	27.0	38.7	51.0	65.9	65.4	98.3	110.5	129.7
Producers' durable equipment	28.7	45.8	65.2	92.3	100.7	102.3	191.9	198.6	216.4
Residential	24.5	30.9	37.1	68.0	57.9	55.3	118.6	103.2	104.9
CONSTANT (1972) DOLLARS									
Gross private domestic investment	104.7	161.8	186.6	217.5	196.5	164.6	336.3	296.4	225.8
Less: Capital consumption allowances ¹	63.3	74.8	86.1	110.6	116.1	120.6	143.0	149.6	155.6
Equals: Net private domestic investment	41.4	77.2	100.4	106.8	79.3	34.0	193.3	56.8	70.3
Fixed investment	101.2	140.1	154.8	200.4	183.8	161.5	229.1	213.3	216.9
Nonresidential	66.9	97.4	113.6	136.1	135.7	112.3	189.9	166.1	172.0
Structures	29.5	40.6	43.9	47.4	43.6	38.3	46.1	46.5	51.6
Producers' durable equipment	37.4	56.8	69.9	90.7	92.1	81.1	120.6	117.6	120.4
Residential	34.2	42.7	41.0	62.3	48.2	42.2	59.1	47.2	44.9

¹With capital consumption adjustment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*, and *Survey of Current Business*, July 1982.

NO. 906. CAPITAL STOCK PER HOUR WORKED: 1950 TO 1979

(in 1972 dollars. Represents the "capital/labor ratio")

INDUSTRY AND 1972 INDUSTRY CODE	1960	1965	1970	1979	INDUSTRY AND 1972 INDUSTRY CODE	1960	1965	1970	1979
Public utilities, 49	69.49	109.98	134.42	167.09	Fabricated metals, 34	4.17	6.60	7.96	9.30
Petroleum, 29	34.25	46.26	63.19	69.60	Rubber and plastics, 30	5.66	6.76	9.00	8.96
Communication, 48	21.14	35.89	50.07	67.06	Finance and insurance, 60-64	5.15	6.57	8.66	10.56
Transportation, 41-47	34.56	44.13	43.29	37.60	Lumber and wood, 24	5.63	4.16	6.25	7.64
Primary metals, 33	13.99	23.31	27.46	29.66	Instruments, 36	5.64	6.19	7.47	7.52
Mining, 10-14	21.02	27.36	30.86	21.93	Textiles, 22	3.84	7.32	6.47	9.43
Tobacco, 21	17.21	22.63	23.93	36.93	Electric machinery, 36	4.96	4.80	7.24	6.47
Chemicals, 21	15.10	20.17	22.42	26.73	Printing and publishing, 27	6.01	4.84	6.28	7.01
Paper, 26	14.07	15.46	18.02	22.03	Wholesale, retail trade, 50-59	4.97	5.26	7.72	7.33
Stone, clay, glass, 32	6.29	12.22	14.56	15.29	Construction, 15-17	1.86	3.03	4.67	3.39
Transportation equipment, 37	6.84	6.26	11.91	13.48	Furniture and fixtures, 26	4.24	3.84	4.49	5.02
Nonelectric machinery, 35	6.76	6.40	10.42	11.72	Leather, 31	2.70	2.42	3.04	3.56
Food, 20	6.95	6.67	10.72	13.06	Apparel, 3	1.66	1.51	2.48	2.96
Services, 70-89	5.80	6.54	9.74	9.21					

Source: The Conference Board, N.Y., *Economic Fixed Maps*, monthly. (Copyright.)

NO. 907. BUSINESS EXPENDITURES FOR NEW PLANT AND EQUIPMENT: 1960 TO 1982

(In billions of dollars, except percent. Excludes expenditures of agricultural business and current account outlays. Based on sample and subject to sampling variability: see text, p. 526. These figures do not agree with the fixed nonresidential investment data mainly because those data exclude investments for equipment, and include investment by farmers and certain outlays to current account. Minus sign (-) denotes decrease. See also *Historical Statistics, Colonial Times to 1870*, series Y 306-332.)

INDUSTRY	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982 ¹
CURRENT DOLLARS											
Total	48.83	70.43	105.81	157.71	171.46	186.08	231.24	270.46	295.83	321.46	328.60
Manufacturing	16.38	25.41	38.98	54.02	59.95	69.22	79.72	98.68	115.81	128.79	127.29
Durable goods ²	8.26	13.49	19.80	26.33	28.47	34.04	40.43	51.07	58.91	61.84	61.17
Primary metals	1.79	2.57	3.24	5.81	5.78	5.44	5.74	6.78	7.71	8.12	8.23
Electrical machinery ³	1.02	1.89	3.49	3.14	3.68	4.67	5.69	7.28	9.59	10.31	11.78
Machinery ⁴	1.21	2.24	3.78	4.96	5.53	6.59	7.21	10.52	11.59	13.22	13.89
Transportation equip.	1.94	3.74	4.85	5.92	6.39	9.08	12.02	15.32	18.18	18.39	18.21
Percent motor veh.	75.8	80.2	85.6	88.8	86.7	84.2	80.0	54.2	48.9	54.8	53.7
Nondurable goods ²	8.06	11.82	17.19	28.59	31.47	35.18	39.28	47.61	58.90	64.95	68.12
Food and beverage	1.35	1.87	3.32	4.02	4.80	5.12	5.97	6.82	7.39	8.22	7.74
Paper	.77	1.07	1.74	2.98	3.11	3.80	3.98	5.55	6.80	6.72	5.91
Chemicals	1.59	2.82	4.85	7.63	8.12	8.14	8.46	10.78	12.60	13.60	14.24
Petroleum	2.89	3.86	5.15	8.58	10.77	12.68	13.95	16.21	20.68	28.58	27.89
Nonmanufacturing	32.28	45.02	66.82	102.79	111.50	126.87	151.52	171.77	179.81	194.70	201.31
Mining	1.29	1.38	2.02	8.10	7.44	9.24	10.21	11.38	13.51	16.88	17.34
Transportation	3.19	5.48	6.95	8.88	8.89	9.40	10.88	12.35	12.09	12.05	12.57
Public utilities	5.40	6.48	13.03	19.98	22.37	26.78	29.95	33.96	35.44	38.40	39.55
Electric	3.85	4.78	10.58	16.65	18.75	22.23	24.83	27.65	28.12	29.74	31.30
Gas and other	1.54	1.73	2.46	3.33	3.62	4.56	5.32	6.31	7.32	8.65	8.25
Trade and services	18.15	22.13	29.77	46.23	49.30	58.54	68.88	79.28	81.79	88.33	88.79
Comm. and other ⁵	6.25	9.58	16.85	21.80	23.51	26.80	34.83	34.83	36.69	47.08	43.15
Avg. annual percent change: ⁶											
Total	7.5	7.6	8.4	8.4	8.7	15.5	16.7	17.0	9.3	8.7	2.2
Manufacturing	7.5	9.2	7.7	8.2	9.2	15.5	15.2	23.8	17.4	9.5	.4
Nonmanufacturing	7.5	6.9	8.8	8.4	8.5	15.8	17.6	13.4	4.7	8.3	3.4
CONSTANT (1972) DOLLARS											
Total	98.88	93.22	115.27	119.86	123.11	134.88	146.88	167.28	166.52	158.56	154.79
Manufacturing	22.19	33.19	40.00	41.21	42.34	46.09	55.28	55.28	60.10	60.59	58.44
Durable goods ²	11.14	17.32	21.38	20.27	20.67	23.44	25.58	29.55	31.78	31.78	30.27
Nondurable goods ²	11.05	15.88	18.64	20.93	21.67	22.65	23.01	25.71	28.32	29.23	28.17
Nonmanufacturing	44.51	60.03	75.27	78.45	80.77	88.80	97.39	102.02	98.42	97.98	96.34
Mining	1.73	1.80	2.20	4.13	4.67	5.29	5.14	5.14	5.25	5.62	5.11
Transportation	4.18	6.92	7.80	8.49	6.15	6.27	6.58	6.83	6.13	5.88	5.58
Public utilities	7.02	8.56	14.32	14.24	14.86	16.84	17.55	18.27	17.47	17.12	16.52
Trade and services	22.74	29.67	32.41	36.31	37.80	41.00	46.23	49.08	47.16	45.81	45.86
Comm. and other ⁵	8.88	13.08	18.84	17.28	17.49	19.40	21.90	22.70	22.42	22.77	22.17
Avg. annual percent change: ⁶											
Total	3.0	6.8	4.3	.8	2.9	9.8	8.2	7.7	.5	-	-2.4
Manufacturing	2.2	8.4	3.8	.8	2.7	8.9	5.4	13.7	8.8	.8	-3.5
Nonmanufacturing	3.4	6.2	4.6	.8	3.0	9.9	9.7	4.8	-3.5	-5	-1.7

- Represents zero. ¹Estimates based on expected capital expenditures as reported by business in late April and May 1982. ²Includes industries not shown separately. ³Includes equipment. ⁴Excludes electrical. ⁵Includes construction, social services and membership organizations, and forestry, fisheries, and agricultural services. ⁶Change from prior year shown; e.g., 1965 from 1960, except as noted. For explanation of average annual percent change, see Guide to Tabular Presentation. ⁷Change from 1955.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly.

NO. 908. DETERMINANTS OF BUSINESS FIXED INVESTMENT: 1960 TO 1981

(Percent, except as noted. 1981 preliminary. GNP = Gross national product)

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Real investment as percent of real GNP	9.1	10.5	10.5	11.0	10.9	9.7	8.7	10.2	10.7	11.0	10.7	10.7
Capacity utilization rate in mfg. ¹	80.2	89.8	79.3	87.8	83.8	72.9	79.5	81.9	84.4	85.7	79.1	78.4
Nonfinancial corporations:												
Cash flow as percent of GNP ²	8.9	10.6	7.8	8.0	7.0	9.0	8.3	9.6	9.3	8.9	8.6	8.3
Rate of return before taxes—												
On depreciable assets ³	15.0	22.1	12.8	14.3	11.0	11.9	12.9	13.7	13.3	12.3	10.7	11.1
On stockholders' equity ⁴	9.9	15.4	8.8	13.8	12.7	9.5	9.5	11.0	11.8	11.6	9.6	(NA)
Ratio of market value to replacement cost of net assets ⁵	95	1.28	.87	93	.67	85	75	.86	.61	.55	53	(NA)

NA Not available. ¹Federal Reserve Board index. For capacity by stage of processing, see Section 29. ²Cash flow defined as after-tax profits plus capital consumption allowance plus inventory valuation adjustment. ³Profits plus capital consumption adjustment and inventory valuation adjustment plus net interest paid divided by the stock of depreciable assets valued at current replacement cost. ⁴Profits corrected for inflation effects divided by net worth (physical capital component valued at current replacement cost). ⁵Equity plus interest-bearing debt divided by current replacement cost of net assets.

Source: U.S. Council of Economic Advisers, *Economic Report of the President*, 1982. Data from U.S. Bureau of Economic Analysis and the Board of Governors of the Federal Reserve System.

No. 809. COMPOSITE INDEXES OF ECONOMIC CYCLICAL INDICATORS: 1970 TO 1981

[1981 figures are preliminary. See source for discussion of composite indexes. Minus sign (-) denotes decrease]

ITEM	Unit	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
LEADING INDICATORS											
Composite index.....	1967=100	104.4	131.8	114.8	114.8	128.8	138.4	141.8	146.1	131.2	133.1
Net business formation.....	1967=100	107.1	115.5	111.2	108.8	117.2	128.5	132.8	131.7	121.1	113.4
Building permits.....	1967=100	118.1	157.1	92.2	80.9	111.8	144.8	145.4	129.8	98.7	80.0
Common stock prices, index ¹	1941-43=100	83.2	107.4	82.8	86.2	102.0	98.2	98.0	103.0	118.8	128.0
Initial claims, unemployment insurance.....	1,000	282	240	351	488	381	388	338	379	480	448
Change in sensitive prices ²	Percent	.4	1.9	2.5	1	9	5	1.2	2.0	1.5	1.3
Change in total liquid assets ³	Percent	.5	1.0	.8	.8	9	1.0	1.0	1.0	7	.9
Vendor performance, slower deliveries.....	Percent	51	88	86	30	54	55	64	83	40	45
Avg. workweek, manufacturing ⁴	Hours	38.8	40.7	40.0	38.5	40.1	40.3	40.4	40.2	38.7	39.8
Net change in inventories (1972 dol.) ⁵	Bil. dol.	62	26	7	-20	8	13	20	11	10	2
Plant and equip. contracts and orders (1972 dol.)	Bil. dol.	105	149	149	117	132	171	180	188	188	188
New orders, manufacturing, consumer goods and materials (1972 dol.)	Bil. dol.	327	434	388	342	391	433	459	451	405	408
Money supply (M2) ⁶ (1972 dol.)	Bil. dol.	660	789	755	758	809	859	888	847	808	804
CONCIDENT INDICATORS											
Composite index.....	1967=100	108.8	127.4	125.3	118.5	123.7	131.3	140.1	148.1	140.3	141.3
Industrial production index.....	1967=100	107.8	129.8	129.3	117.8	130.5	138.2	148.1	152.5	147.0	151.0
Employees, nonagricultural payrolls.....	Million	70.9	76.8	78.3	78.9	79.4	82.5	86.7	88.8	90.4	91.1
Personal income less transfer payments (1972 dol.)	Bil. dol.	780	896	883	888	909	954	1,005	1,044	1,043	1,089
Sales, mfg. and trade (1972 dol.)	Bil. dol.	1,380	1,677	1,682	1,558	1,671	1,792	1,882	1,922	1,858	1,879
LAGGING INDICATORS											
Composite index.....	1967=100	115.5	122.9	128.8	128.5	119.8	125.4	143.1	168.4	178.8	187.9
Index of labor cost ⁷	1967=100	112.5	117.4	127.9	143.6	145.2	154.1	164.2	175.8	186.0	211.0
Ratio, consumer installment credit to personal income	Percent	12.7	13.3	13.4	12.8	12.8	13.4	14.3	14.8	14.1	13.3
Average prime rate charged by banks	Percent	7.9	8.0	10.8	7.9	6.8	6.8	9.1	12.7	15.3	18.9
Average duration of unemployment.....	Weeks	8.8	10.0	9.8	14.2	15.8	14.3	11.9	10.8	11.8	13.7
Inventories, mfg. and trade (1972 dol.) ⁸	Bil. dol.	197	220	227	217	235	248	258	265	263	289
Commercial and industrial loans outstanding.....	Bil. dol.	85	98	117	120	110	114	128	149	165	182

Z Less than \$500,000,000. ¹New private housing units authorized. ²Standard and Poor, 500 stocks. ³Producer price index, crude materials. ⁴Weighted 4-term moving average placed at the terminal month of the span. ⁵Production workers. ⁶Changes in book value. ⁷See table 850. ⁸Cost per unit of output in manufacturing. ⁹At end of period.

Source: U.S. Bureau of Economic Analysis, *Business Conditions Digest*, monthly.

No. 910. INTERNATIONAL ECONOMIC COMPOSITE INDEXES: 1960 TO 1981

[Average annual percent changes, 1970=100. Minus sign (-) denotes decrease]

YEARS	6 countries excluding U.S.	7 countries	United States	Canada	France	Italy	Japan	United Kingdom	West Germany
LEADING INDEX									
1960-1965.....	3.8	4.5	5.0	5.9	4.9	3.9	4.3	1.3	3.8
1965-1970.....	5.4	2.7	.7	3.0	5.8	4.8	11.5	1.1	4.3
1970-1975.....	3.3	3.0	2.7	6.2	3.4	4.0	4.4	1.6	1.3
1975-1980.....	6.8	5.1	3.7	8.0	8.0	4.8	11.2	2.6	4.8
1974-1975.....	-4.5	-3.7	-3.0	-1.1	-8.2	7	-12.6	-1.1	2.4
1975-1976.....	9.1	10.3	11.4	3.9	9.9	5.0	16.2	8.7	7.8
1976-1977.....	2.8	4.6	6.2	3.6	1.9	2.3	1.8	5.4	3.3
1977-1978.....	5.3	4.8	3.8	7.6	4.7	4.8	7.0	1.4	5.4
1978-1979.....	11.0	8.0	1.9	11.1	10.0	8.8	20.8	2.8	6.4
1979-1980.....	5.0	1	-4.3	3.7	4.9	5.8	11.5	-2.7	.5
1980-1981.....	.2	.9	1.5	3.1	3.7	4.8	-4.3	1.2	-1.1
CONCIDENT INDEX									
1960-1965.....	7.3	8.1	5.2	5.9	8.8	3.8	14.1	4.9	8.4
1965-1970.....	8.5	5.1	3.9	4.5	8.0	5.9	13.2	2.6	5.3
1970-1975.....	3.3	2.4	1.8	5.4	3.8	2.3	4.5	2.3	1.8
1975-1980.....	2.4	3.9	4.4	3.0	3.4	3.7	3.8	2.0	4.0
1974-1975.....	-2.8	4.8	-8.8	5	-5.2	-5.1	-1.7	-3.0	-2.4
1975-1976.....	3.7	5.6	7.3	4.9	4.9	4.5	4.1	-	4.0
1976-1977.....	3.4	5.0	8.5	1.7	3.9	1.8	5.0	2.1	3.5
1977-1978.....	3.9	5.8	7.3	3.1	2.7	2.4	4.8	6.0	4.0
1978-1979.....	4.4	4.2	4.1	4.1	3.4	4.8	4.0	5.0	5.3
1979-1980.....	1.8	-3	-2.7	1.1	2.0	5.0	1.3	-2.8	3.1
1980-1981.....	-1.0	.2	1.2	2.7	-1.9	-3	.2	-7.0	-2

- Represents zero.

Source: Rutgers Center for International Business Cycle Research, Newark, New Jersey, *International Economic Indicators*, monthly.

No. 911. BUSINESS CYCLE EXPANSIONS AND CONTRACTIONS—MONTHS OF DURATION: 1919 TO 1981

[The lower turning point of a cycle is considered a trough, the upper turning point a peak. Business cycle reference dates are determined by the National Bureau of Economic Research, Inc.]

BUSINESS CYCLE REFERENCE DATE		Contraction (trough from previous peak)	Expansion (trough to peak)	LENGTH OF CYCLE	
Trough	Peak			Trough from previous trough	Peak from previous peak
March 1919.....	January 1920.....	7	10	51	17
July 1921.....	May 1923.....	18	22	28	40
July 1924.....	October 1926.....	14	27	36	41
November 1927.....	August 1929.....	13	21	40	34
March 1933.....	May 1937.....	43	50	84	83
June 1939.....	February 1945.....	13	60	63	63
October 1945.....	November 1948.....	8	37	68	45
October 1948.....	July 1953.....	11	45	48	56
May 1954.....	August 1957.....	10	39	55	49
April 1959.....	April 1960.....	8	24	47	32
February 1961.....	December 1969.....	10	106	34	116
November 1970.....	November 1973.....	11	36	117	47
March 1975.....	January 1980.....	16	58	52	74
July 1980.....	July 1981.....	6	12	64	18
Average, all cycles:					
1919-1945 (6 cycles).....		18	35	53	53
1945-1981 (6 cycles, except as noted).....		10	45	60	56
Average, peacetime cycles:					
1919-1945 (5 cycles).....		20	28	48	45
1945-1981 (5 cycles, except as noted).....		10	34	49	44

¹1945-1960, 7 cycles. ²1945-1980, 5 cycles.

Source: U.S. Bureau of Economic Analysis, *Business Conditions Digest*, February 1982.

No. 912. MANUFACTURING AND TRADE—SALES AND INVENTORIES IN CURRENT AND CONSTANT (1972) DOLLARS: 1960 TO 1981

[In billions of dollars, except ratios. See *Historical Statistics, Colonial Times to 1970*, series Y 76-107, for single year figures prior to revisions issued in 1981]

ITEM	1960	1965	1970 ¹	1974	1975	1976	1977	1978	1979	1980	1981
CURRENT DOLLARS											
Sales, average monthly.....	61	80	107	178	182	204	230	259	295	323	351
Manufacturing.....	31	41	53	85	87	99	113	127	144	154	166
Retail trade.....	18	24	31	45	48	55	60	67	75	79	87
Merchant wholesalers.....	12	15	24	48	47	51	56	65	76	88	98
Inventories ²	86	121	179	288	288	319	351	397	444	463	528
Manufacturing.....	54	88	102	155	160	175	199	211	241	264	283
Retail trade.....	27	34	44	71	72	76	89	103	108	114	126
Merchant wholesalers.....	14	18	33	57	57	64	72	84	94	104	111
Inventory-sales ratio ³	1.56	1.45	1.62	1.45	1.57	1.48	1.46	1.44	1.43	1.45	1.43
Manufacturing.....	1.75	1.80	1.80	1.65	1.84	1.69	1.61	1.57	1.57	1.65	1.66
Retail trade.....	1.45	1.39	1.41	1.49	1.44	1.36	1.39	1.43	1.44	1.41	1.39
Merchant wholesalers.....	1.22	1.15	1.29	1.07	1.21	1.19	1.21	1.21	1.15	1.13	1.09
CONSTANT (1972) DOLLARS											
Sales, average monthly.....	76	96	116	140	131	141	161	158	182	196	199
Manufacturing.....	38	50	56	68	62	67	72	75	77	73	73
Retail trade.....	23	28	34	39	40	42	45	46	47	45	45
Merchant wholesalers.....	15	18	26	33	30	31	35	37	38	38	38
Inventories.....	130	148	184	233	225	235	246	265	284	283	270
Manufacturing.....	70	87	113	131	127	131	134	140	145	145	145
Retail trade.....	30	37	45	58	56	59	63	67	68	63	66
Merchant wholesalers.....	20	25	35	44	42	45	49	53	53	54	55
Inventory-sales ratios ⁴	1.60	1.48	1.70	1.74	1.66	1.64	1.59	1.61	1.64	1.66	1.75
Manufacturing.....	1.86	1.69	2.08	2.03	2.02	1.92	1.84	1.81	1.81	1.95	2.12
Retail trade.....	1.32	1.28	1.37	1.52	1.37	1.36	1.35	1.44	1.40	1.36	1.47
Merchant wholesalers.....	1.37	1.27	1.33	1.42	1.42	1.43	1.39	1.40	1.40	1.39	1.45

¹Beginning 1970, data not comparable with earlier years due to revised procedures. ²Book value; seasonally adjusted end-of-year data. See text, page 526. ³Average inventories to average monthly sales. Average inventories based on weighted averages of end-of-month figures. ⁴End of fourth quarter inventories to average month sales for fourth quarter

Source: U.S. Bureau of Economic Analysis, 1960 to 1978, *Business Statistics*, annual; thereafter, *Survey of Current Business*, July issues.

NO. 913. MANUFACTURING CORPORATION ASSETS AND PROFITS, BY ASSET SIZE: 1970 TO 1981

[Corporations and assets as of end of 4th quarter; profit for entire year. Corporations under \$10 million based on sample; \$10 million and over based on complete censuses through 1979—thereafter, under \$25 million based on sample and \$25 million and over based on complete censuses. For details regarding methodology, see source for fourth quarter, 1981]

YEAR AND ITEM	Unit	Total	ASSET-SIZE CLASS						
			Under \$10 mil.	\$10-\$25 mil.	\$25-\$50 mil.	\$50-\$100 mil.	\$100-\$250 mil.	\$250 mil.-\$1 bil.	\$1 bil. and over
1970: Corporations	Number	197,807	195,000	1,111	533	388	288	218	102
Assets, total	Mil. dol.	578,234	68,101	20,471	20,136	25,848	47,763	112,475	282,320
Percent	Percent	100.0	12.0	3.5	3.5	4.5	8.3	19.5	48.8
Net profit, total ²	Mil. dol.	28,572	2,812	811	838	1,101	2,315	5,882	13,844
Percent	Percent	100.0	9.8	2.8	2.9	3.9	8.1	20.5	51.9
1976: Corporations	Number	(NA)	(NA)	1,750	705	450	278	151	151
Assets, total	Mil. dol.	810,910	88,147	31,307	24,720	31,395	62,524	139,113	423,705
Percent	Percent	100.0	12.1	3.9	3.0	3.9	7.7	17.2	52.3
Net profit, total ²	Mil. dol.	49,135	6,212	1,831	1,327	1,676	3,553	8,185	26,370
Percent	Percent	100.0	12.6	3.7	2.7	3.4	7.2	16.6	53.7
1977: Corporations	Number	(NA)	(NA)	(NA)	809	501	409	327	174
Assets, total	Mil. dol.	962,966	102,241	35,903	28,595	35,032	63,590	100,777	537,830
Percent	Percent	100.0	10.6	3.7	3.0	3.6	6.6	10.6	55.8
Net profit, total ²	Mil. dol.	70,386	8,883	2,189	1,867	2,252	4,401	11,208	36,769
Percent	Percent	100.0	12.3	3.1	2.7	3.2	6.3	15.9	58.5
1978: Corporations	Number	(NA)	(NA)	1,780	802	518	408	320	181
Assets, total	Mil. dol.	1,086,433	114,006	38,358	30,813	37,429	65,907	164,958	533,963
Percent	Percent	100.0	10.5	3.5	2.8	3.4	6.2	15.2	49.1
Net profit, total ²	Mil. dol.	81,185	9,417	2,487	2,284	2,802	4,712	12,311	47,391
Percent	Percent	100.0	11.6	3.1	2.8	3.2	5.8	15.2	58.4
1979: Corporations	Number	(NA)	(NA)	1,918	879	571	470	341	225
Assets, total	Mil. dol.	1,242,985	124,853	42,007	34,082	40,338	73,172	169,598	758,937
Percent	Percent	100.0	10.0	3.4	2.7	3.2	5.9	13.6	61.1
Net profit, total ²	Mil. dol.	98,698	10,119	2,720	2,347	2,898	5,347	13,412	61,854
Percent	Percent	100.0	10.3	2.8	2.4	2.9	5.4	13.6	62.7
1980: Corporations	Number	(NA)	(NA)	1,777	941	590	491	369	244
Assets, total	Mil. dol.	1,384,474	126,639	43,589	34,930	41,983	75,284	178,859	862,129
Percent	Percent	100.0	9.1	3.1	2.5	3.0	5.4	13.0	63.7
Net profit, total ²	Mil. dol.	92,443	7,770	2,235	1,804	2,479	4,532	11,485	62,041
Percent	Percent	100.0	8.4	2.4	2.1	2.7	4.9	12.4	67.1
1981: Corporations	Number	(NA)	(NA)	(NA)	(NA)	603	520	378	259
Assets, total	Mil. dol.	1,680,263	136,915	57,453	39,756	43,924	82,257	198,913	1,011,105
Percent	Percent	100.0	8.8	3.7	2.5	2.8	5.3	12.1	64.8
Net profit, total ²	Mil. dol.	101,302	8,883	3,077	1,811	2,415	4,680	10,087	70,354
Percent	Percent	100.0	8.7	3.0	1.9	2.4	4.5	10.0	69.5

NA: Not available. ¹Source: U.S. Securities and Exchange Commission. ²Data derived from U.S. Internal Revenue Service, *Statistics of Income*, annual. ³After taxes.

Source: Except as noted, U.S. Federal Trade Commission, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*.

NO. 914. LARGEST INDUSTRIAL CORPORATIONS—SALES, ASSETS, NET INCOME, AND EMPLOYEES, BY GROUP RANK: 1975 TO 1981

[Sales, assets, and net income in billions of dollars; employees in thousands, except percent. Excludes large privately owned companies that do not publish sales. Includes service and rental revenues, but companies must derive more than 50 percent of revenues from manufacturing or mining for years ending not later than Dec. 31 of year stated, except 1981, no later than January; excludes excise taxes collected by manufacturer]

RANK BY SALES GROUP	SALES			ASSETS ¹			NET INCOME ²			EMPLOYEES ³		
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
First 800 largest.....	1,445.3	1,650.3	1,773.4	1,175.5	1,262.6	78.2	81.2	84.2	16,183	15,810	15,635	
Lowest hundred.....	48.6	55.6	55.5	32.9	37.9	2.5	2.3	2.4	773	781	702	
Second hundred.....	73.2	81.8	84.5	53.3	60.9	3.8	4.1	2.3	1,155	1,186	1,062	
Third hundred.....	122.3	137.2	143.8	83.4	107.5	113.8	7.3	7.6	8.7	1,757	1,709	1,756
Fourth hundred.....	236.4	260.6	282.9	179.3	204.5	223.3	13.7	13.5	14.7	3,366	3,321	3,227
Highest hundred.....	983.7	1,115.2	1,207.0	676.3	784.6	843.3	50.8	53.6	55.2	9,141	8,913	8,889
Second 500 largest.....	109.9	120.0	120.9	76.8	86.9	90.7	6.1	6.0	5.7	1,785	1,702	1,591
Percent of total, first 800:												
Lowest hundred.....	3.4	3.4	3.1	3.2	3.2	2.9	3.2	2.9	2.8	4.8	4.9	4.5
Second hundred.....	5.1	4.9	4.8	5.1	5.2	5.0	4.9	5.1	3.9	7.1	7.5	6.8
Third hundred.....	8.5	8.3	8.1	9.0	9.1	8.9	9.4	9.4	10.3	10.9	10.7	11.2
Fourth hundred.....	16.4	15.8	16.0	17.3	17.4	17.4	17.5	16.6	17.4	20.8	20.9	20.6
Highest hundred.....	68.7	67.6	66.5	65.3	65.0	65.7	65.0	65.8	65.5	56.5	56.0	56.9

¹Total assets employed in business at end of fiscal year, less depreciation and depletion. ²After taxes, special charges, and credits. Minus sign (—) indicates net loss. ³As of year end, or yearly average.

Source: Time, Inc., New York, N.Y., *The Fortune Directory*, May and June issues. (Copyright.)

**NO. 915. 500 LARGEST INDUSTRIAL CORPORATIONS—SELECTED FINANCIAL ITEMS, BY INDUSTRY:
1960 AND 1961**

[Data are ranked based on sales per employee for latest year shown. See headnote, table 914. Minus sign (—) denotes decrease. For definition of median, see Guide to Tabular Presentation]

SIC ¹ code	INDUSTRY	SALES PER EMPLOYEE (\$1,000)		CHANGES IN PROFITS (percent)		SALES PER DOLLAR OF STOCKHOLD- ER'S EQUITY (dol.)		RETURN ON STOCKHOLD- ER'S EQUITY (percent)		RETURN ON SALES (percent)		TOTAL RETURN TO INVESTORS ² (percent)	
		1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961
(x)	Total	78.1	88.4	3.6	3.7	3.00	2.87	14.4	13.8	4.9	4.8	21.1	-4
29	Petroleum refining	441.5	512.8	25.4	7.6	4.00	4.19	19.4	16.4	5.5	4.4	53.1	23.2
10	Mining, crude-oil production	177.7	302.8	45.4	1.8	2.15	2.18	21.0	17.8	9.2	11.7	34.1	-23.9
49	Beverages	129.4	138.3	3.4	15.1	2.88	2.89	15.6	19.2	4.8	5.5	18.4	31.9
28	Chemicals	100.5	119.4	2.7	10.1	2.44	2.44	13.9	13.5	5.2	5.4	18.7	-1.0
20	Food	103.0	115.0	10.9	10.6	4.58	4.33	14.5	14.4	3.0	3.3	9.8	18.2
33	Metal manufacturing	98.0	107.2	7.6	4.3	2.81	2.82	12.9	12.4	4.1	4.4	20.7	6.1
26	Paper, fiber, wood products	93.9	102.5	11.4	4.0	2.27	2.31	12.8	12.0	5.0	5.0	17.3	-4.1
43	Soaps, cosmetics	84.9	98.0	7.6	-1.8	2.80	2.98	18.9	15.8	5.9	5.0	5.2	22.3
21	Tobacco	91.4	95.3	15.2	10.2	2.51	2.51	19.8	19.5	7.9	7.9	32.5	6.0
42	Pharmaceuticals	73.5	81.7	13.8	8.2	1.98	2.00	17.9	18.0	9.1	9.1	29.3	3.1
32	Glass, concrete, abrasives, gypsum	71.3	81.0	13.4	15.1	2.63	2.50	11.3	9.8	3.7	3.1	10.5	3.4
40	Motor vehicles	68.8	78.8	52.7	8.0	3.27	3.37	8.1	7.8	2.6	2.6	3.4	4.5
30	Rubber, plastic products	60.8	78.8	37.6	62.0	3.84	4.09	5.0	10.4	1.5	3.0	28.1	21.1
27	Publishing, printing	71.5	77.9	8.9	13.5	2.40	2.35	15.8	16.4	8.2	7.1	21.2	15.5
45	Industrial and farm equipment	68.8	78.8	3.9	12.7	2.65	2.70	13.3	13.9	4.3	4.6	24.0	-10.3
37	Transport equipment ³	81.1	78.7	1.3	8.2	4.74	5.05	14.4	14.4	4.1	4.5	35.9	-6.2
34	Metal products	67.9	75.7	4.0	8.8	3.03	3.27	15.3	14.1	4.7	4.4	20.1	8.1
41	Aerospace	61.7	70.2	6.5	18.3	4.04	4.25	16.2	15.0	4.1	4.0	40.5	-21.9
47	Musical instruments, toys, sport- ing goods	59.0	67.7	1.8	52.8	2.66	2.72	12.8	9.2	3.7	3.4	22.4	27.1
38	Measuring, scientific, photo. equip	54.4	62.5	24.6	12.4	2.01	2.28	17.1	15.8	6.9	6.9	28.4	-10.4
36	Electronics, appliances	54.0	60.4	16.8	8.8	3.10	3.12	16.2	14.3	5.3	4.4	36.1	4
44	Office equipment (incl. computers)	49.9	54.3	14.2	13.0	2.35	1.93	15.1	13.3	6.0	6.1	20.0	-18.6
22	Textiles, vinyl flooring	46.3	51.2	25.5	-3.1	3.08	3.13	8.1	7.8	2.8	2.9	10.4	15.7
23	Apparel	38.8	42.1	.9	19.1	3.49	3.68	12.8	16.2	3.6	3.4	26.2	37.7

¹Standard Industrial Classification. See text, p. 705. ²Includes both price appreciation and dividend yield, i.e., to an investor in the company's stock. ³Excludes motor vehicles and aircraft.

Source: Time, Inc., New York, N.Y., *The Fortune Directory*, May issues. (Copyright).

NO. 916. CORPORATE FUNDS—SOURCES AND USES: 1960 TO 1961

[In billions of dollars, except percent. Covers nonfarm nonfinancial corporate business]

SOURCE AND USE	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Sources, total	48.6	83.5	108.1	202.8	187.9	223.4	264.2	320.4	386.7	338.2	377.1
Internal	35.4	58.5	61.8	85.8	119.7	134.2	156.1	171.9	196.6	196.6	228.9
Domestic undistributed profits	8.0	19.1	7.6	32.4	34.0	43.9	52.3	60.6	71.0	61.7	58.2
IVA and OCA ¹	-2.3	2.5	-4.1	-41.7	-21.1	-27.5	-27.0	-36.4	-56.4	-58.6	-37.6
Capital consumption allowances	28.6	32.5	51.6	78.7	93.8	103.8	115.2	129.1	145.6	163.7	184.0
Foreign earnings ²	3.0	4.5	6.5	18.3	13.0	14.3	15.5	19.7	30.3	31.1	24.2
External³	13.2	35.0	46.3	117.3	48.3	69.2	108.1	148.5	176.1	139.3	147.2
Percent of total	27.2	37.4	42.9	57.9	28.7	39.9	40.9	46.3	48.0	41.5	39.0
Credit market funds, net	12.1	20.2	41.1	82.8	41.7	64.3	64.8	93.2	104.8	106.1	107.9
Securities and mortgages	7.5	9.3	32.1	38.1	49.7	48.0	48.1	45.8	39.5	66.5	34.1
Equity issues	1.4	-	5.7	4.1	9.9	10.5	2.7	-1	-7.8	12.9	11.5
Bonds and mortgages ⁴	6.1	9.3	26.4	35.0	39.8	37.4	45.4	45.9	47.3	53.6	45.6
Loans and short-term paper	4.8	11.0	9.0	43.8	8.0	18.3	36.5	47.4	65.3	38.7	73.1
Other	1.2	14.8	5.3	34.5	6.5	24.9	23.5	55.3	71.4	33.2	39.9
Profit taxes payable	-2.2	2.2	-3.7	1.1	-2.4	7.5	1.3	3.4	-	-6.7	-7.6
Trade debt	3.1	12.2	7.5	26.7	6.3	13.1	21.1	44.0	59.5	28.1	28.6
Foreign direct investments in U.S.	.3	4	1.5	4.8	2.6	4.3	3.7	7.9	11.9	10.9	18.7
Uses, total	49.4	82.7	98.7	190.1	180.9	201.4	228.8	290.9	340.8	291.7	334.8
Capital expenditures	31.5	61.0	60.0	137.9	109.7	148.3	174.1	199.2	220.9	215.9	258.7
Increase in financial assets	3.9	21.8	18.7	52.2	41.2	53.0	54.4	91.7	119.7	74.9	66.1
Discrepancy (sources less uses)	7.2	10.8	9.4	12.9	17.0	22.0	35.7	29.5	28.2	44.5	52.2

- Represents zero. ¹Inventory valuation and capital consumption adjustment. ²Foreign branch profits, dividends, and subsidiaries earnings retained abroad. ³Net increases in liability. ⁴Includes industrial pollution control revenue bonds, issued by State and local governments.

Source: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts*.

NO. 917. CORPORATE PROFITS, TAXES, AND DIVIDENDS: 1960 TO 1981

[In billions of dollars. Covers corporations organized for profit. Represents profits to U.S. residents, without deduction of depletion charges and exclusive of capital gains and losses; intercorporate dividends from profits of domestic corporations are eliminated; net receipts of dividends, reinvested earnings of incorporated foreign affiliates, and earnings of unincorporated foreign affiliates are added]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Profits before taxes	49.6	77.2	75.4	136.7	132.1	166.3	194.7	229.1	252.7	242.4	232.1
Less: Income tax liability ¹	22.7	30.9	34.2	51.6	50.8	63.8	72.7	83.2	87.6	84.7	81.2
Equals: Profits after taxes	27.1	46.3	41.3	85.1	81.3	102.5	122.0	145.9	165.1	157.6	150.9
Less: Net dividends ²	12.9	19.1	22.5	29.9	30.8	37.4	40.8	47.0	52.7	58.1	55.1
Equals: Undistributed profits	14.3	27.2	18.8	55.2	50.7	65.1	81.2	98.9	112.4	99.7	95.8
Capital consumption allowances ³	25.3	37.4	56.6	61.5	69.4	96.3	110.2	124.9	142.7	163.4	180.4
Profits after tax plus capital consumption allowances ⁴	52.4	83.7	97.9	166.6	170.9	196.8	232.2	270.7	307.8	321.2	340.3

¹Federal, State and local. ²Disbursements to U.S. residents, measured after eliminations of intercorporate dividends.
³Without capital consumption adjustment. Includes depreciation and accidental damages.

NO. 918. CORPORATE PROFITS BEFORE TAXES: 1960 TO 1981

[In billions of dollars. Profit figures are with inventory valuation adjustment and without capital consumption adjustment]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	49.7	76.0	68.9	94.0	105.6	96.7	120.6	151.6	176.5	205.1	208.6	199.4	207.6
Domestic industries	46.7	71.5	62.4	85.3	92.0	80.4	107.6	137.4	163.4	185.4	179.0	169.1	184.6
Financial	7.2	7.5	12.1	15.3	15.9	15.0	11.8	17.1	23.1	31.0	30.3	29.2	22.7
Nonfinancial	39.5	64.0	50.2	70.0	76.0	65.4	95.8	120.3	140.3	154.4	148.6	140.0	162.0
Manufacturing	23.8	39.3	26.6	40.7	45.5	38.0	52.6	69.2	78.3	88.9	85.6	74.5	86.3
Wholesale and retail trade	4.9	8.1	9.5	13.4	13.9	12.5	21.3	22.4	26.6	26.9	27.1	24.6	33.4
Other	11.0	16.6	14.1	15.9	16.7	14.0	21.9	28.7	35.4	40.6	36.0	40.9	42.3
Rest of the world	3.0	4.5	6.5	8.6	13.7	16.3	13.0	14.3	15.1	19.7	30.6	30.3	22.8

Source of tables 917 and 918: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-78*, and *Survey of Current Business*, July 1982.

NO. 919. CORPORATE PROFITS, BY INDUSTRY: 1960 TO 1981

[In billions of dollars. Profits are without inventory valuation and capital consumption adjustments. Minus sign (-) denotes loss. See headnote, table 917]

YEAR	All industries	Manufacturing	Wholesale, retail trade	Finance, insurance ¹	Communication ²	Construction	Services	Transportation	Mining	Agriculture ³	Rest of the world ⁴
BEFORE TAXES											
1960	49.6	23.9	4.9	8.3	6.5	.8	.9	.9	.9	1	3.0
1965	77.2	39.9	8.8	9.8	9.9	1.8	1.8	2.2	.9	.2	4.5
1970	75.4	30.4	11.5	13.3	8.6	2.1	1.8	.2	1.0	1	6.5
1973	125.6	55.5	21.6	16.6	8.1	2.4	3.5	1.4	1.7	.9	13.7
1974	136.7	59.3	25.6	15.7	7.1	2.5	3.2	2.4	4.2	4	16.3
1975	132.1	57.6	26.2	12.4	9.3	3.0	4.4	1.2	4.1	.8	13.0
1976	166.3	75.6	27.6	16.9	12.8	3.9	5.7	3.2	4.1	7	14.3
1977	194.7	86.1	31.6	26.4	15.3	4.7	7.4	3.9	3.3	6	15.1
1978	229.1	98.6	37.6	35.1	17.4	5.8	8.7	4.2	2.6	12	19.7
1979	252.7	104.5	42.6	34.2	18.2	5.9	9.5	4.2	3.5	12	30.6
1980	242.4	93.8	41.8	33.3	16.7	6.5	10.1	4.3	4.8	11	30.3
1981	232.1	96.3	41.0	26.3	17.9	6.4	9.6	3.8	4.8	.9	22.8
AFTER TAXES											
1960	27.1	12.6	2.5	4.3	3.2	.3	.4	.3	.7	(2)	3.0
1965	46.3	23.0	5.3	4.5	4.9	1.1	1.0	1.3	.7	1	4.5
1970	41.3	15.8	6.8	5.4	4.5	1.3	.8	.2	.7	(2)	6.5
1973	75.6	31.4	14.2	6.3	4.9	1.4	2.2	.6	1.3	.6	13.7
1974	85.1	34.1	17.3	6.3	4.1	1.5	2.0	1.4	3.0	.2	16.3
1975	81.3	33.1	17.9	2.2	6.9	1.8	3.0	.3	2.9	5	13.0
1976	102.5	42.2	18.8	6.4	9.4	2.1	4.0	2.1	3.0	4	14.3
1977	122.0	48.6	21.8	11.6	11.1	3.3	5.4	2.6	2.1	3	15.1
1978	145.9	55.8	25.9	16.7	12.8	4.1	8.0	2.8	1.4	.8	19.7
1979	165.1	62.6	30.1	13.7	12.1	3.9	6.6	2.6	2.1	.8	30.6
1980	157.6	54.7	29.7	11.4	12.7	4.8	7.3	2.8	3.2	.8	30.3
1981	150.9	60.0	26.4	8.6	15.4	4.2	7.1	2.8	2.8	.8	22.8

² Less than \$50 million. ¹Includes real estate. ³Includes public utilities. ⁴Includes forestry and fisheries. ⁵Consists of receipts by all U.S. residents, including both corporations and persons, of earnings of unincorporated foreign affiliates, dividends from their incorporated foreign affiliates, and their share of reinvested earnings of their incorporated foreign affiliates, net of corresponding outflows.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-78*, and *Survey of Current Business*, July 1982.

NO. 920. MANUFACTURING CORPORATIONS—SALES, PROFITS, STOCKHOLDERS' EQUITY, AND DEBT: 1960 TO 1981

(In billions of dollars. Prior to 1970, excludes newspapers. Data are not necessarily comparable from year to year due to changes in accounting procedures, industry classifications, sampling procedures, etc.; for detail, see source. See also *Historical Statistics, Colonial Times to 1970*, series P 93-108)

YEAR	ALL MANUFACTURING CORPS.					DURABLE GOODS INDUSTRIES					NONDURABLE GOODS INDUSTRIES				
	Sales (net)	Profits		Stock- holders' equity ¹	Debt ¹	Sales (net)	Profits		Stock- holders' equity ¹	Debt ¹	Sales (net)	Profits		Stock- holders' equity ¹	Debt ¹
		Be- fore taxes	After taxes				Be- fore taxes	After taxes				Be- fore taxes	After taxes		
1960	346	27.5	15.2	186	40.5	174	14.0	7.0	82	20.5	172	13.8	8.2	83	30.0
1965	482	46.5	27.5	212	57.8	257	26.2	14.5	105	28.4	235	20.3	13.0	106	28.5
1970	709	48.1	28.6	307	133.8	383	23.0	12.8	155	70.7	346	25.2	15.7	152	83.2
1972	850	63.2	33.6	343	149.0	436	33.8	18.4	171	77.0	414	29.6	18.0	172	72.0
1973	1,017	81.4	48.1	374	184.3	527	43.6	24.8	189	88.1	490	37.8	22.3	185	78.2
1974	1,081	92.1	58.7	395	167.4	529	41.1	24.7	196	87.1	532	51.0	34.1	190	80.3
1975	1,065	79.9	49.1	423	183.2	521	35.3	21.4	208	94.4	544	44.6	27.7	215	88.8
1976	1,203	104.3	64.5	483	187.8	590	50.7	24.4	224	91.1	614	64.3	33.7	236	98.7
1977	1,328	115.1	70.4	497	200.4	657	57.9	34.8	240	94.8	671	57.2	35.6	257	105.6
1978	1,486	132.5	81.2	541	222.4	761	69.6	41.5	283	105.8	736	63.0	38.4	278	116.8
1979	1,742	154.2	98.7	600	252.2	866	72.4	45.2	292	122.8	876	81.8	53.5	308	129.4
1980	1,897	145.4	92.4	665	282.1	883	57.2	35.8	316	142.8	1,014	86.2	56.9	349	148.3
1981	2,145	158.5	101.3	743	334.8	980	67.2	41.7	350	159.4	1,165	91.3	59.6	393	175.5

¹ Annual data are average equity or debt for the year (using four end-of-quarter figures).

Source: U.S. Federal Trade Commission, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. In U.S. Council of Economic Advisors, *Economic Report of the President*, annual.

NO. 921. MANUFACTURING CORPORATIONS—PROFITS, STOCKHOLDERS' EQUITY, SALES, AND DEBT RATIOS: 1970 TO 1981

(Averages of quarterly figures at annual rates. Based on sample; see source for discussion of methodology. Minus (—) sign reflects loss. See headnote, table 920)

INDUSTRY GROUP	RATIOS OF PROFITS TO STOCKHOLDERS' EQUITY (percent)				PROFITS PER DOLLAR OF SALES (cents)				RATIO OF STOCKHOLDERS' EQUITY TO DEBT			
	1970	1975	1980	1981	1970	1975	1980	1981	1970	1975	1980	1981
All manufacturing corporations ¹	8.3	11.5	13.9	13.6	4.0	4.8	4.9	4.8	2.3	2.3	2.3	2.2
Durable goods industries	8.3	10.3	11.3	11.9	3.6	4.1	4.0	4.2	2.2	2.2	2.2	2.2
Stone, clay, and glass products	6.9	8.3	10.8	8.8	3.6	3.4	4.2	3.8	2.4	2.1	1.9	1.9
Primary metal industries	7.0	8.6	11.7	11.8	4.1	4.4	4.1	4.0	2.0	2.2	1.7	1.7
Iron and steel	4.3	10.9	9.0	11.8	2.5	5.0	2.9	3.8	2.2	2.4	1.7	1.8
Nonferrous metals	10.6	5.0	15.6	11.6	8.2	3.1	5.9	4.8	1.8	1.8	1.8	1.7
Fabricated metal products	8.5	13.2	13.9	13.3	3.0	4.2	4.2	4.0	2.1	2.0	2.1	2.2
Machinery, exc. electrical	9.8	13.7	15.0	14.8	4.6	8.4	6.5	6.4	2.2	2.4	2.2	2.2
Electrical and electronic equipment	9.1	9.0	15.1	14.4	3.3	3.2	5.0	5.0	1.9	2.2	2.6	2.6
Transportation equipment	8.9	7.5	8	5.8	2.3	2.4	3	1.7	2.8	2.4	2.7	2.4
Motor vehicles and equipment	8.1	8.2	—9.3	—7	2.6	2.2	—3.4	—3	4.7	3.6	3.4	3.0
Aircraft, guided missiles and parts	8.8	11.0	16.0	16.0	2.0	2.9	4.3	4.4	1.3	1.6	2.8	2.7
Instruments and related products	14.3	13.5	17.5	16.9	7.3	7.6	9.3	9.0	3.2	3.3	4.3	4.5
Nondurable goods industries	16.3	12.8	16.4	15.2	4.5	6.1	5.8	6.1	2.4	2.4	2.3	2.2
Food and kindred products	10.8	14.4	14.7	14.2	2.5	3.2	3.4	3.2	1.9	1.7	1.9	1.8
Tobacco manufactures	15.7	15.9	19.8	19.8	5.6	9.2	11.7	11.6	1.4	1.5	1.8	1.7
Textile mill products	5.1	4.2	6.5	9.4	1.9	1.2	2.2	2.4	2.1	1.9	2.0	2.0
Paper and allied products	7.0	12.8	12.1	12.0	3.4	5.6	5.1	5.0	1.8	1.8	2.0	2.0
Printing and publishing	11.2	12.8	16.4	14.8	4.2	4.6	5.5	5.0	2.7	2.7	2.1	2.1
Chemicals and allied products	11.4	15.2	15.4	14.9	5.9	7.6	7.1	6.9	2.5	2.3	2.2	2.2
Industrial	8.5	13.2	11.9	13.2	5.0	8.9	5.4	5.8	2.1	2.0	1.9	1.9
Drugs	17.8	17.6	19.9	16.9	9.4	12.2	13.2	10.9	4.3	3.4	3.0	2.8
Petroleum and coal products	11.0	12.5	20.0	17.2	9.3	7.6	7.7	6.3	3.6	4.4	3.4	3.0
Rubber and misc. plastics products	7.1	6.0	6.7	11.8	2.7	3.0	2.0	3.5	1.5	1.6	1.6	1.8

¹ Includes other industries not shown separately.

Source: U.S. Federal Trade Commission, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. In U.S. Council of Economic Advisors, *Economic Report of the President*, annual.

NO. 922. CAPITAL EXPENDITURES BY MAJORITY-OWNED FOREIGN AFFILIATES OF U.S. MULTINATIONAL COMPANIES: 1970 TO 1981

[Represents expenditures to acquire, add to, or improve property, plant, and equipment. Data are universe estimates based on Bureau of Economic Analysis' semiannual sample survey. The latest survey, taken in Dec. 1981, covered about 8,000 majority-owned foreign affiliates. See *Survey of Current Business*, March 1982]

INDUSTRY AND AREA OR COUNTRY	EXPENDITURES (bil. dol.)							PERCENT OF TOTAL			
	1970	1975	1977	1978	1979	1980	1981	1970	1975	1980	1981
Total ¹	14.1	28.8	24.1	28.1	32.8	42.4	46.8	100.0	100.0	100.0	100.0
Mining and smelting	1.2	1.2	.5	.4	.7	1.3	1.5	8.5	4.5	3.1	3.3
Petroleum	4.0	8.9	8.9	9.5	11.0	14.8	17.5	28.4	33.2	34.9	38.5
Manufacturing ¹	6.5	11.3	10.5	12.0	15.4	19.5	19.5	46.1	42.2	45.0	42.9
Food products	.4	.7	.8	.9	1.2	1.5	1.5	2.8	2.6	3.5	3.3
Chemicals and allied products	1.2	2.5	2.0	1.9	2.8	3.0	3.1	8.5	9.3	7.1	6.8
Machinery (except electrical)	1.8	2.8	3.0	3.8	4.7	5.8	4.8	11.3	10.4	13.2	10.5
Electrical machinery	.8	.9	.7	.9	1.1	1.4	1.3	4.3	3.4	3.3	2.9
Transportation equipment	1.0	1.4	1.6	1.9	2.9	4.4	4.9	7.1	6.2	10.4	10.8
Trade	1.0	2.4	2.1	2.2	3.1	3.8	3.7	7.1	9.0	9.0	8.1
By area of affiliate:											
Developed countries	10.1	18.8	18.0	19.8	24.8	31.8	32.4	71.6	70.1	75.2	71.2
Canada	3.0	5.0	5.4	5.4	6.5	8.3	8.5	21.3	18.7	19.8	18.7
Europe	5.7	11.7	11.2	12.8	16.4	20.8	20.8	40.4	43.7	49.1	45.3
European Communities ²	5.1	9.9	9.6	10.9	14.0	17.8	18.9	36.2	36.9	42.0	37.1
Other Europe	.8	1.8	1.5	1.7	2.4	3.0	3.7	4.3	6.7	7.1	8.1
Japan	.5	.8	.4	.6	.6	.8	.8	3.5	3.0	2.1	1.8
Australia, New Zealand, South Africa	.9	1.2	1.0	1.2	1.3	1.8	2.5	6.4	4.5	4.2	5.5
Developing countries	3.3	6.4	4.8	5.5	8.8	9.0	11.8	23.4	23.9	21.2	25.5
Latin America	2.0	3.1	2.2	2.5	3.2	4.6	5.8	14.2	11.8	10.8	12.7
Africa (excl. South Africa)	.5	.7	.7	.8	.9	1.3	1.7	3.5	2.6	3.1	3.7
Middle East	.2	1.3	1.2	1.1	.8	.7	.5	1.4	4.9	1.7	1.1
Other Asia and Pacific	.6	1.3	.7	1.1	1.7	2.5	3.6	4.3	4.9	5.8	7.9
International and unallocated	.7	1.7	1.3	.8	1.2	1.6	1.5	5.0	6.3	3.5	3.3

¹Includes other industries not shown separately. the Netherlands, and the United Kingdom.

²Includes Belgium, Denmark, France, Germany, Ireland, Italy, Luxembourg,

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, March issues.

NO. 923. FOREIGN-OWNED U.S. FIRMS, BY PERCENT OF FOREIGN OWNERSHIP, BY INDUSTRY, AND BY COUNTRY: 1980

[Covers only firms operating at more than one U.S. location and having 50 or more employees. A firm was defined as foreign-owned if ten percent or more of its equity was owned by a foreign entity. Domicile country refers to location of the home office of the owning entity]

ITEM	Firms ¹	Estab- lish- ments ¹	Em- ploy- ment ² (1,000)	Annual payroll (mil. dol.)	DOMICILE COUNTRY	Firms ¹	Estab- lish- ments ¹	Em- ploy- ment ² (1,000)	Annual payroll (mil. dol.)
Total ³	1,511	38,813	1,918.7	31,833	All countries	1,511	38,813	1,918.7	31,833
Foreign ownership:					Australia	20	254	13.0	197
10-49 percent	212	9,825	432.1	7,404	Bahamas	11	404	12.2	126
50-99 percent	299	9,712	477.4	7,839	Belgium ⁴	32	629	29.2	557
100 percent	980	19,207	1,005.9	16,736	Bermuda	20	576	33.9	585
Industry:					Canada	245	5,799	236.6	4,126
Agriculture	43	230	7.8	98	France	107	2,683	163.3	2,871
Mining	72	508	46.6	1,051	Germany, Fed.				
Construction	57	336	46.0	909	Rep. of	150	5,735	331.7	5,262
Manufacturing	740	4,910	934.7	16,805	Great Britain	243	8,018	404.8	8,284
Transportation, communication, pub. utilities	178	1,511	42.5	870	Hong Kong	18	120	6.4	94
Wholesale trade	622	8,085	191.2	4,019	Japan	214	2,100	100.0	1,782
Retail trade	191	14,903	376.6	3,624	Netherlands	98	6,766	262.1	4,611
Finance, insurance, real estate	261	4,997	151.7	2,622	Neth. Antilles	33	1,389	75.2	1,341
Services	286	3,353	122.6	1,634	Panama	14	132	12.7	224
					Sweden	39	451	31.2	532
					Switzerland	128	2,394	141.2	2,283
					Other	143	1,363	84.2	956

¹For definition, see text, p. 525.

²For week including March 12.

³Includes percent not specified and industries not shown

separately. ⁴Includes Luxembourg.

Source: U.S. Bureau of the Census, *Selected Characteristics of Foreign-Owned U.S. Firms: 1980*.

**NO. 924. CONSUMER COOPERATIVES AND FARMER COOPERATIVES SELLING CONSUMER GOODS, BY
TYPE OF ASSOCIATION: 1965 TO 1980**

(Members in thousands; business in millions of dollars. Business refers to loans outstanding)

TYPE OF ASSOCIATION	1965			1970			1980		
	Associations	Members	Business	Associations	Members	Business	Associations	Members	Business
Credit unions ¹	22,084	18,758	8,088	23,858	22,519	14,105	21,485	43,754	48,889
Electric power cooperatives ²	885	4,884	761	875	5,789	1,195	889	8,710	8,305
Rural telephone cooperatives ³	219	485	48	235	808	85	251	980	335
Independent prepaid and self-insured health plans ⁴	568	8,884	808	*482	*12,204	1,088	(NA)	*29,107	*9,389
Community consumer	43	2,400	215	*40	*4,881	445	(NA)	*7,962	*2,519
Labor and management	507	5,088	388	*418	*5,834	545	(NA)	*18,457	*5,810
Health professionals (both profit making and non-profit plans)	19	(NA)	28	*24	*1,579	78	(NA)	*2,888	*1,024
Farmer cooperatives selling producer and consumer goods	8,783	(NA)	2,910	8,208	(NA)	3,871	5,022	(NA)	18,134
Petroleum products ⁵	2,775	(NA)	843	2,774	(NA)	882	2,821	(NA)	5,079
Meats and groceries	775	(NA)	80	717	(NA)	83	482	(NA)	202
Miscellaneous ⁶	4,800+	(NA)	355	4,800+	(NA)	527	4,300+	(NA)	1,783

NA Not available. ¹Source: 1965, U.S. Social Security Administration; beginning 1970, National Credit Union Administration, *Annual Report of the National Credit Union Administration and State Chartered Credit Unions*. ²Source: U.S. Rural Electrification Administration, *Statistical Report—Rural Electric Borrowers*. Electric distribution cooperatives currently borrowing from REA, average number of consumers served, and total revenues. ³Source: U.S. Rural Electrification Administration, *Statistical Report—Rural Telephone Borrowers*. Cooperatives currently borrowing from REA, number of subscribers at end of year, annual revenues.

⁴Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, September 1981, and unpublished data. Estimated enrollees and annual subscription income of plans. Enrollment is for most frequent type of benefit (surgical services). 1980, preliminary. ⁵1980 data. ⁶1979 data. ⁷Data for fiscal years ending June 30 or earlier in years shown. 1980, calendar year. Since most cooperatives do more than one type of business, totals are less than would be obtained by adding number of cooperatives handling individual items or performing individual services. Major products sold are feed, seed, fertilizer, pesticides, and petroleum. See table 1179 for other items sold by farmer cooperatives. ⁸Sales include products for farming, for both farm and non-farm home heating, and automobile and truck use. ⁹Includes hardware, building supplies, lawn and garden items, electrical goods, and other supplies used by both farmers and nonfarmers.

Source: Except as noted, U.S. Dept. of Agriculture, Agricultural Cooperative Service, unpublished data.

NO. 925. PATENTS AND TRADEMARKS: 1956 TO 1981

(In thousands. Covers patents issued to citizens of the United States and residents of foreign countries. For information on copyrights, see table 955. See also Historical Statistics, Colonial Times to 1970, series W 95-106)

ITEM	1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1976	1977	1978	1979	1980	1981
Patent applications filed	410.4	483.2	504.8	541.4	550.1	110.0	108.0	108.3	108.9	113.0	114.5
Inventions	384.8	438.1	478.2	510.4	508.0	102.3	100.9	100.8	100.5	104.3	108.4
Designs	23.0	25.3	26.3	28.8	37.2	7.1	7.3	7.5	7.5	7.8	7.4
Botanical plants	.6	.6	.6	.7	1.0	.2	.2	.2	.2	.2	.2
Reissues	1.2	1.2	1.5	1.7	2.9	.4	.6	.7	.8	.6	.5
Patents issued	251.8	278.4	343.9	388.7	334.3	75.4	68.8	70.5	52.4	66.2	71.8
Inventions	237.5	280.0	325.1	375.5	312.3	70.2	65.3	66.1	48.9	61.8	65.8
Individuals	78.6	89.9	73.4	87.0	65.0	14.1	14.0	14.3	9.3	13.3	14.1
Corporations:											
U.S.	133.9	152.5	190.6	182.9	150.4	34.4	31.5	31.3	23.8	29.4	29.5
Foreign ¹	21.0	31.0	52.8	88.0	90.4	19.8	18.2	19.3	14.8	18.2	21.0
U.S. Government	5.9	8.5	8.4	9.8	6.5	1.8	1.5	1.2	9	1.0	1.1
Designs	13.0	13.9	15.3	18.7	18.4	4.6	3.9	3.9	3.1	3.9	4.7
Botanical plants	.6	.6	.4	.6	.8	.2	.2	.2	.1	.1	.2
Reissues	.8	1.0	1.1	1.6	1.8	.4	.4	.4	.3	.3	.4
Published applications ²	—	—	.8	.8	.5	1	1	1	1	(2)	1
Foreign country residents ³	38.5	48.8	78.0	119.3	118.0	28.1	23.8	25.1	18.2	24.7	28.5
Certificates of trademarks issued	108.2	108.5	138.5	168.3	160.7	33.1	31.8	35.1	25.9	24.7	48.8
Trademarks	90.7	91.9	104.2	129.4	121.2	28.3	25.8	29.6	20.5	18.9	42.7
Trademark renewals	17.5	14.7	24.3	28.9	29.5	8.8	6.1	5.5	5.4	5.9	5.8

— Represents zero. Z Less than 50. ¹Includes patents to foreign governments. ²Abstracts of technical disclosure of patent published at request of applicant or owner. The current practice, called "Defensive Publications," began in Nov. 1980. ³Includes patent inventions and a small number of patents for designs and botanical plants.

Source: U.S. Patent and Trademark Office. Fiscal-year figures are published in the *Commissioner of Patents and Trademarks Annual Report*.

No. 920. U.S. RECEIPTS OF ROYALTIES AND FEES, BY INDUSTRY: 1970 TO 1980

(In millions of dollars)

ITEM	All industries	Mining and smelting	Petroleum	MANUFACTURING						Other industries
				Total	Chemicals and allied products	Metals, primary and fabricated	Machinery	Transportation equipment	Other	
Attributed:										
Royalties and fees:										
1970	1,581	47	185	944	214	46	336	90	257	382
1975	3,251	60	343	2,086	439	90	837	194	537	730
1976	3,262	60	371	2,110	450	84	871	222	502	721
1977	3,883	36	40	2,738	471	145	1,263	243	618	1,069
1978	4,705	44	196	3,006	618	127	1,277	261	724	1,457
1979	4,980	49	325	3,429	732	220	1,378	327	774	1,177
1980	5,780	56	239	4,086	1,010	213	1,606	350	890	1,417
Royalties and licensing fees:										
1970	751	2	7	609	147	16	310	21	115	131
1975	1,866	(D)	16	1,573	317	53	837	34	333	(D)
1976	1,956	5	15	1,621	327	25	898	37	333	315
1977	2,173	1	19	1,769	324	60	991	28	374	355
1978	2,697	1	27	2,242	453	52	1,251	46	439	427
1979	3,002	1	21	2,503	524	97	1,329	58	494	477
1980	3,693	-	24	3,014	686	134	1,561	68	562	655
Management and other fees:										
1970	810	45	179	335	67	32	25	69	142	251
1975	1,365	(D)	327	525	122	37	1	160	205	(D)
1976	1,306	56	356	488	122	39	-26	166	169	406
1977	1,710	35	21	940	146	65	272	215	242	714
1978	2,009	43	169	768	165	75	26	216	265	1,030
1979	1,978	46	304	926	206	123	47	269	280	700
1980	2,067	56	214	1,054	323	79	44	261	326	763
Unattributed:										
1970	573	1	32	506	93	34	226	62	81	34
1975	757	(2)	40	678	122	47	300	57	152	39
1976	822	3	50	723	136	47	297	68	172	46
1977	923	2	74	792	146	69	340	55	177	55
1978	1,059	2	50	948	156	69	406	103	212	60
1979	1,100	-	56	990	173	55	444	79	240	54
1980	1,185	-	75	1,036	194	43	466	75	236	74

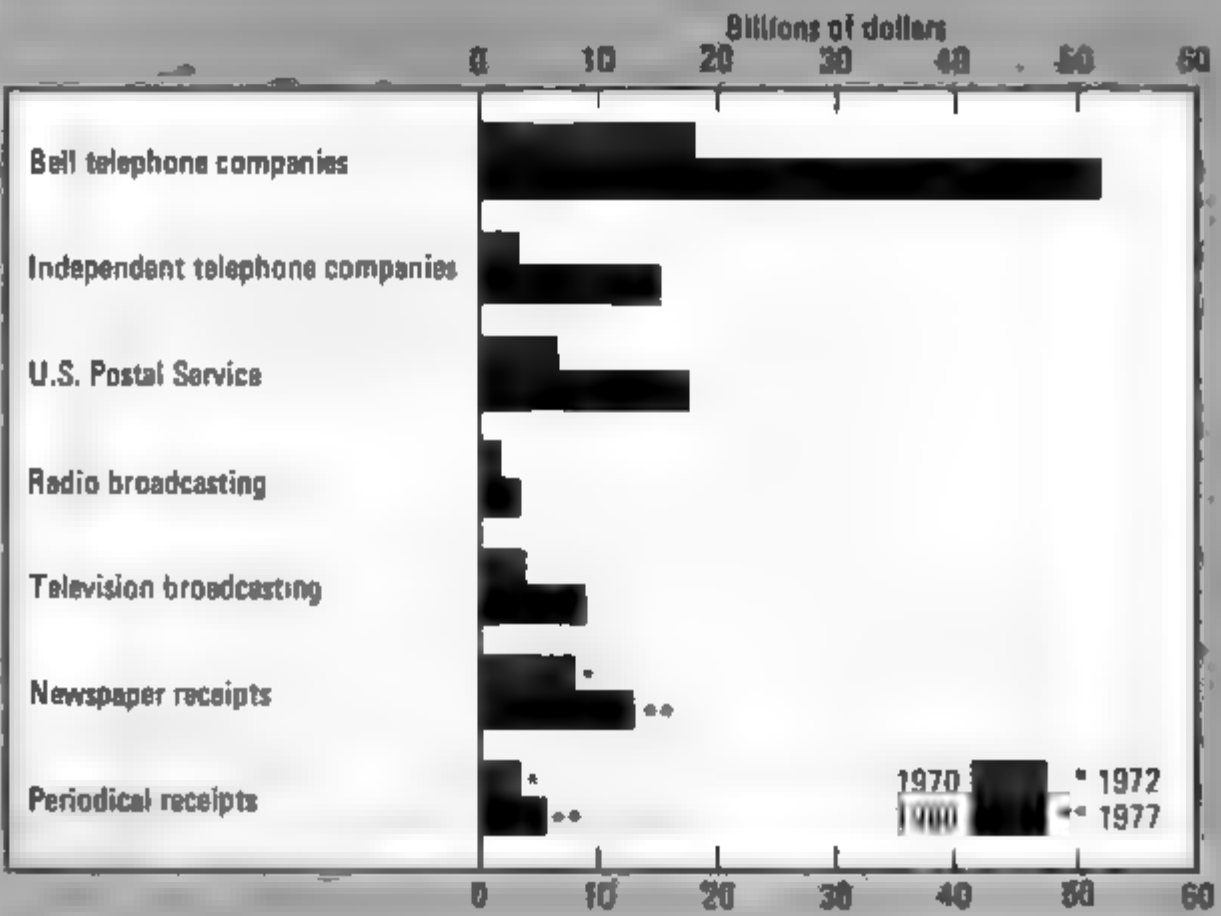
- Represents zero. D Suppressed to avoid disclosure of data of individual companies. Z Less than \$500,000.
Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, January 1980 and August 1982.

No. 927. CORPORATE PHILANTHROPY AS A PERCENT OF PRETAX NET INCOME: 1979 AND 1980

INDUSTRY CLASS	1979		INDUSTRY CLASS	1979	1980
All firms, avg.	50	58	Manufacturing firms, avg.—Con.		
Manufacturing firms, avg.	48	58	Stone, clay and glass products	80	95
Chemicals	56	62	Textiles	96	129
Electrical machinery and equipment	53	58	Transportation equipment	85	21
Fabricated metal products	71	90	Nonmanufacturing firms, avg.	56	60
Food, beverage and tobacco	66	64	Banking	80	91
Machinery, nonelectrical	61	60	Business services	32	62
Mining	47	55	Engineering and construction	60	47
Paper and like products	57	109	Finance	69	67
Petroleum and gas	25	29	Insurance	56	74
Pharmaceuticals	82	99	Merchandising	150	167
Primary metal industries	97	95	Telecommunications	38	39
Printing and publishing	114		Transportation	71	64
Rubber, miscel. plastic products	115	141	Utilities	31	29

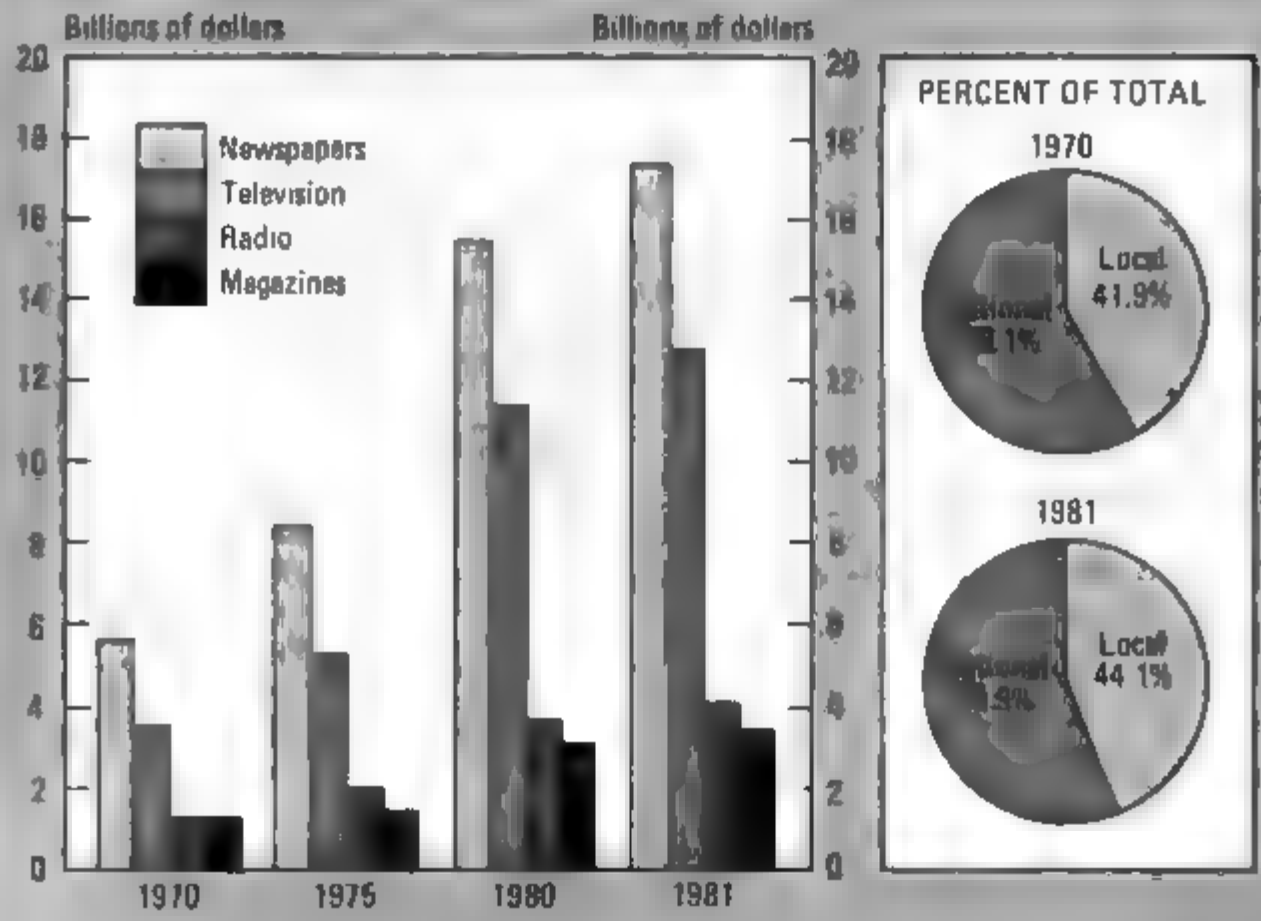
Source: Bertsch, Kenneth A. Investor Responsibility Research Center, Washington, D.C., *Corporate Philanthropy*, 1982 (Copyright).

Figure 19.1
Operating Revenues of Selected Media: 1970 to 1980



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 929, 936, 937, 941, and 942.

Figure 19.2
Advertising Expenditures by Selected Media: 1970 to 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 963.



Section 19

Communications

This section presents statistics on the usage, finances, and operations of the Postal Service and of the various communications media: Telephone, telegraph, radio, television, newspapers and periodicals, and books. Expenditures data for advertising in the media are also included.

Postal Service.—The Postal Service provides mail processing and delivery services within the United States. The Postal Reorganization Act of 1970 created the Postal Service, effective July 1971, as an independent establishment of the Federal Executive Branch; it also placed restrictions on the private delivery of mail.

"Revenue and cost analysis" is the term used by the Postal Service to describe its system of attributing revenues and costs to classes of mail and service. This system draws primarily upon probability sampling techniques to develop estimates of revenues, volumes, and weights, as well as costs by class of mail and special service. The costs attributed to classes of mail and special services are primarily incremental costs which vary in response to changes in volume; they account for roughly 60 percent of the total costs of the Postal Service. The balance represents "institutional costs" which includes funds for research and development, portions of personnel and office supplies, etc. Statistics on revenues, volume of mail, and distribution of expenditures are presented in the Postal Service's annual report, *Revenue and Cost Analysis*, and its *Annual Report of the Postmaster General*.

Communication media.—The Federal Communications Commission (FCC), established in 1934, regulates wire and radio communications and licenses radio and television stations. Only the largest carriers and controlling companies file annual or monthly financial reports. Jurisdiction of the FCC applies to domestic and overseas telegraph carriers and to the Communications Satellite Corporation (Comsat), but not to a large number of telephone carriers which are engaged in intrastate or foreign service. The gross operating revenues of the telephone carriers reporting annually to the FCC, however, are estimated to cover over 90 percent of the revenues of all U.S. telephone companies.

Reports filed by the broadcasting industry cover substantially all radio and television stations operating in the United States and its outlying areas. Statistics covering the private radio services represent the largest and most diverse group of licensees regulated by the FCC. These services primarily provide two-way radio communication for emergency and business purposes in the aviation, marine, land transportation, and other industries; police, fire, and other public safety programs; and amateur and personal operations. Principal sources of wire, radio, and television data are the FCC's *Annual Report*, its annual *Statistics of Communications Common Carriers*, and its annual releases of financial data reported by radio and television stations and networks. (The latter, however, were discontinued after 1960 data became available. See tables 941 and 942.)

Statistics on the printed media are available from the U.S. Bureau of the Census, as well as from various private agencies. The censuses of manufactures (conducted by the Census Bureau every five years, for the years ending in "2" and "7") provide statistics on the number and circulation of newspapers and periodicals and on sales of books and pamphlets. Editor & Publisher Co., Inc., New York, presents annual data on the number and circulation of daily and Sunday newspapers in its *International Yearbook*. Monthly data on new books and new editions appear in *Publishers Weekly*, issued by R. R. Bowker Company, New York.

Advertising.—The statistics on advertising expenditures are compiled primarily by private organizations. McCann-Erickson, Inc., which compiles certain of the data shown (see tables 961-963), defines national advertising as the advertising done for companies whose products are distributed nationally, and for which national media rates are paid. Local advertising is defined as the advertising done for companies which market their products locally and which may pay special "local" media rates. Spot advertising is considered time bought by a national advertiser on a selective market basis. Monthly index figures of advertising in certain media are also published periodically by McCann-Erickson in *Advertising Age*.

The Broadcast Advertisers Reports (see tables 964–966) distinguishes between spot and local advertising primarily on the basis of the type of advertiser to whom the time is sold, rather than how and by whom it is sold. In general, time purchased on behalf of retail or service establishments in the market is considered local, even though the establishments may be part of a national or regional chain. That is, spot advertising promotes a product, while local advertising promotes a given establishment. Network advertising, mutually exclusive of spot and local, is broadcast through the network system.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

No. 928. U.S. POSTAL SERVICE—SUMMARY: 1900 TO 1981

[For years ending June 30 except, beginning 1977, ending Sept. 30. Includes Puerto Rico and all outlying areas except Canal Zone. See text, p. 551. See also *Historical Statistics, Colonial Times to 1970*, series R 163–171]

YEAR	Number of post offices	FINANCES ¹			Revenue per capita ² (dol.)	Sales of stamps and stamped paper (mil. dol.)	Postage paid under permit and meter (mil. dol.)	Money orders issued, total (mil. dol.)	PIECES OF MAIL HANDLED (est.)			
		Revenues (mil. dol.)	Expenditures ³ (mil. dol.)	Deficit (mil. dol.)					Total ⁴ (bil.)	First-class ⁵		Second-class ⁶ (bil.)
										Number (bil.)	Percent	
1900.....	76,688	102	106	5	1.34	94	(⁷)	256	7.1	(NA)	(NA)	(NA)
1910.....	59,580	224	230	6	2.43	202	4	638	14.9	(NA)	(NA)	(NA)
1920.....	52,641	437	454	17	4.11	380	13	1,356	(NA)	(NA)	(NA)	(NA)
1930.....	49,063	706	804	98	5.75	575	74	1,767	27.9	16.9	60.6	5.0
1940.....	44,024	767	808	41	5.84	522	177	2,108	27.7	15.2	54.9	4.6
1950.....	41,464	1,677	2,223	545	11.14	862	678	⁸ 5,138	45.1	24.5	54.3	6.3
1955.....	38,316	2,349	2,712	363	14.33	999	1,136	5,883	55.2	26.7	52.0	6.7
1960.....	35,238	3,277	3,874	597	18.27	1,245	1,699	5,058	63.7	33.2	52.1	7.5
1965.....	33,624	4,483	5,276	793	23.17	1,528	2,529	4,540	71.9	38.1	53.0	8.6
1970.....	32,002	7,702	7,867	165	31.05	1,936	3,883	4,709	84.9	46.6	57.2	9.4
1971.....	31,947	8,751	8,955	204	32.24	1,999	4,126	4,726	87.0	50.0	57.5	9.6
1972.....	31,866	9,347	9,522	175	37.89	2,371	4,861	4,731	87.2	46.9	56.1	9.5
1973.....	31,385	9,913	9,926	13	39.77	2,399	5,141	4,700	89.7	51.0	56.9	9.0
1974.....	31,000	10,857	11,295	438	42.85	2,504	5,623	5,194	90.1	51.6	57.3	8.8
1975.....	30,754	11,590	12,578	988	47.06	2,819	6,241	5,856	89.3	51.4	57.6	9.1
1976.....	30,521	12,747	13,923	1,176	52.21	3,155	6,883	6,243	89.8	52.1	58.0	8.9
1976, TQ ⁹	30,521	3,402	3,387	¹⁰ 15	14.11	815	1,895	1,639	21.5	12.5	56.1	2.1
1977.....	30,521	14,622	15,310	688	60.18	3,658	7,951	5,636	92.2	53.7	58.2	8.7
1978.....	30,518	15,841	16,220	379	64.91	3,943	8,668	5,587	96.9	56.0	57.8	8.7
1979.....	30,449	17,999	17,529	¹⁰ 470	73.37	4,382	10,062	5,631	99.8	58.0	58.1	8.4
1980.....	30,326	19,106	19,412	306	77.32	4,267	10,828	6,112	106.3	60.3	56.7	8.4
1981.....	30,242	20,781	21,369	588	83.62	4,625	11,891	6,692	110.1	61.5	55.8	10.0

NA Not available. ¹After allowance for reimbursements, embossed envelope purchases, indemnity claims, and miscellaneous revenue and expenditure offsets. Through 1950, includes some payments and receipts applicable to services in prior years; beginning 1955, expenditures are shown in year in which obligation was incurred, and revenues in year which gave rise to the earnings, whether collected or accrued. In 1954, the Postal Service began receiving reimbursement for penalty and franked mail, and discontinued payment of subsidies to airlines. Revenues for 1980 include \$37.4 million reimbursement from the Treasury General Fund for statutory public services. These and other changes affect comparability of figures. See also footnote 3, table 929. ²Includes capital expenditures for plant and equipment and cost of materials and supplies, but no provision for depreciation. Also includes costs of certain services rendered to other agencies without reimbursement but excludes costs of certain services rendered to the Postal Service by other agencies. Beginning 1955, represents obligations incurred; beginning 1965, represents accrued expenses, including depreciation on fixed assets, reimbursable work for others, and expenses paid by certain other agencies without reimbursement by the Postal Service. ³Operating revenue only; based on Bureau of the Census estimated total population as of Jan. 1, including Armed Forces abroad. ⁴Includes other classes of mail not shown separately. See table 931. ⁵Items mailed at 1st-class rates and weighing 12 ounces or less. Includes items wholly or partially in writing or typewriting, cards or bills and statements of account, items closed against postal inspection, etc. ⁶Includes mail paid at other than bulk rates. ⁷Service not inaugurated. ⁸Includes postal notes issued under act of Congress. ⁹Transition quarter, July–Sept. ¹⁰Net income.

Source: U.S. Postal Service, *Annual Report of the Postmaster General*.

No. 929. U.S. POSTAL SERVICE REVENUES: 1960 TO 1981

[In millions of dollars, except percent. For years ending June 30 except, beginning 1977, ending Sept. 30. Includes Puerto Rico and all outlying areas except Canal Zone. See text, p. 551]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Total revenue ¹	3,277	4,483	7,702	10,867	11,880	12,747	14,622	15,841	17,888	19,108	20,781
SOURCE											
Operating postal revenue ²	3,270	4,433	6,247	8,008	10,015	11,198	12,888	14,133	15,108	17,143	18,133
Stamps, postal cards, etc.	1,245	1,528	1,836	2,504	2,819	3,165	3,658	3,943	4,382	4,287	4,626
Second-class postage paid in money (pound rates) ³	86	131	182	258	284	319	427	551	755	881	911
Other postage paid under permit and meter	1,899	2,529	3,883	5,623	6,241	6,863	7,851	8,868	10,062	10,828	11,891
Box rents	29	34	44	83	87	103	109	124	153	180	188
Miscellaneous	147	164	238	507	556	675	748	758	863	892	1,427
Money-order revenue	64	57	55	52	53	83	105	89	91	95	111
Government appropriations	-	-	1,355	1,750	1,533	1,645	1,712	1,722	1,720	1,610	1,275
Percent of total revenue	-	-	17.6	16.1	13.2	12.9	11.7	10.9	9.6	8.4	6.1
Investment income, net	-	-	-	98	37	-97	-88	-14	173	353	373
MAIL AND SERVICE											
First-class mail ⁴	1,510	2,183	3,281	5,019	5,788	6,734	7,831	8,575	9,733	10,146	11,457
Priority mail ⁵	-	-	282	394	411	411	488	497	581	612	758
Second-class publishers' mail ⁶	81	119	155	213	236	267	383	472	644	818	885
Controlled circulation publication ⁷	6	15	35	40	41	41	53	67	95	246	(⁸)
Third-class mail ⁹	441	650	827	1,214	1,348	1,522	1,748	1,887	2,218	2,412	2,643
Bulk rate	(NA)	(NA)	(NA)	1,046	1,167	1,317	1,508	1,745	1,867	2,188	2,405
Single piece rate and less	(NA)	(NA)	(NA)	187	181	205	240	242	249	244	238
Fourth-class mail ¹⁰	807	702	778	732	718	680	789	873	747	805	786
Zone rate mail (parcels, catalogs, etc.)	(NA)	(NA)	(NA)	581	577	508	584	480	484	500	489
Special fourth-class rate	(NA)	(NA)	(NA)	130	130	180	148	187	237	272	251
Library rate and less	(NA)	(NA)	(NA)	11	11	12	28	27	27	33	36
Government mail ¹¹	85	124	199	471	484	577	611	626	678	745	781
International mail ¹²	102	152	270	343	390	447	483	489	550	586	735
Special services	184	179	236	252	251	257	417	439	506	518	823
Other ¹³	258	349	1,629	2,179	1,913	1,811	1,888	2,005	2,268	2,404	1,933

- Represents zero. NA Not available. ¹Net revenue after refunds of postage. Beginning 1966, includes operating reimbursements. ²Includes small amounts for Postal Savings System, 1960 and 1965, and reimbursement by U.S. Congress in 1965. ³The U.S. Postal Service was established July 1, 1971. Revenues prior to that date are those of the Post Office Department. Revenue for 1970 have been restated to be consistent with subsequent years. See also footnote 1, table 928. ⁴Includes controlled circulation publications. ⁵Includes \$37.4 million appropriated to postal revenues for public services as provided by the Postal Policy Act of 1958. ⁶Interest expense on loans exceeded interest income received from investments. ⁷See footnote 5, table 928. ⁸Items otherwise qualified as 1st-class or airmail that exceed 12 ounces and 8 ounces, respectively. ⁹Includes mail paid at other than bulk rates. Publishers' mail includes printed publications periodically issued and mailed at a known post office to paid subscribers. These include regular rate newspapers and magazines, and classroom and nonprofit rate publications. Outside-the-county publications are those mailed to destinations outside the county of publication. ¹⁰Controlled circulation discontinued March 22, 1982. Statistics for 1981 are included in second-class. ¹¹Publications of at least 24 pages and containing at least 25 percent nonadvertising content issued quarterly or more frequently for mainly free distribution. Includes certain trade publications and "shopper" guides. ¹²Items less than 16 ounces in weight not mailed at either 1st- or 2d-class rates. ¹³Items not mailed at 1st-, 2d-, or 3d-class rates, except government and international mail. May include parcel post, catalogs weighing 16 ounces or more, books, films, and records. ¹⁴Penalty and franked mail. ¹⁵Mail from U.S. to foreign countries paid at international mail rates. ¹⁶Consists of unassignable revenues; includes domestic airmail until 1976, and express mail and mailgrams beginning 1977.

No. 930. U.S. POSTAL SERVICE EMPLOYEES, BY TYPE: 1950 TO 1981

[In thousands, except as indicated. As of June 30 except, beginning 1977, as of Sept. 30. Includes Puerto Rico, and all outlying areas except Canal Zone. See *Historical Statistics, Colonial Times to 1970*, series R 187, for total employees]

ITEM	1960	1965	1969	1968	1976	1975	1977	1978	1979	1980	1981
Total employees	681	612	583	583	741	702	685	685	683	687	679
Regular	384	367	408	447	548	558	528	528	534	535	544
Postmasters	145	142	35	33	30	30	29	28	28	29	29
Office super. and tech. personnel	169	175	27	30	37	37	36	37	36	35	37
Office clerks and mail handlers ¹			172	189	243	236	228	228	230	228	232
City carriers and vehicle drivers			80	91	110	133	165	167	157	156	160	164
Rural carriers	36	32	31	31	31	31	31	31	32	33	33
Other	27	26	34	32	42	55	47	47	46	48	49
Substitute (part-time)	137	145	154	148	189	143	127	130	129	130	128
Compensation and employee benefits (mil. dol.)	1,816	2,084	2,853	4,158	8,462	10,806	11,121	14,051	15,182	16,541	16,018
Pieces of mail per employee, average	80	108	113	121	115	127	141	148	151	159	184

¹Includes assistant postmasters: 3,540 in 1960, and 3,917 in 1965. ²Includes mobile unit employees.

Source of tables 929 and 930: U.S. Postal Service, *Annual Report of the Postmaster General*.

No. 931. U.S. POSTAL SERVICE—VOLUME OF MAIL, BY CLASS: 1970 TO 1981

[In millions, except per capita. For years ending June 30 except, beginning 1979, ending Sept. 30. Includes Puerto Rico and all outlying areas except Canal Zone. For definition of classes of mail, see footnotes, table 929. See also *Historical Statistics, Colonial Times to 1970*, series R 172-186]

CLASS OF MAIL	PIECES OF MAIL					WEIGHT OF MAIL (lb.)				
	1970	1975	1979	1980	1981	1976	1975	1979	1980	1981
Total.....	84,882	88,286	99,829	108,311	110,130	13,281	12,025	12,253	12,958	13,515
Domestic.....	83,888	88,334	98,875	105,348	109,244	13,055	11,824	12,040	12,742	13,303
1st class and airmail ¹	50,174	52,482	57,978	60,332	61,478	1,836	1,748	2,072	2,213	2,309
Priority mail.....	185	207	229	248	269	371	440	541	591	635
2d class.....	9,352	9,085	8,400	8,448	³ 9,958	3,417	2,792	2,965	2,550	³ 3,483
3d class.....	19,974	21,887	27,513	30,381	33,607	2,032	2,283	2,994	3,240	3,758
4th class.....	977	801	614	633	590	4,766	3,754	2,534	2,861	2,480
Controlled circulation publications.....	562	626	846	1,775	(³)	224	232	358	928	(³)
Penalty.....	2,544	2,928	2,895	2,992	2,898	540	527	503	503	568
Franked and free for blind.....	218	336	402	540	448	49	50	53	58	70
International.....	896	932	954	963	886	226	201	213	216	212
Per capita: ³										
Total, all domestic mail ⁴	412	415	452	475	477	64	58	55	57	58
1st class and airmail.....	246	247	264	272	269	8	6	9	10	10
2d class.....	48	43	38	38	44	17	13	14	12	15
3d class.....	98	103	125	137	147	10	11	14	15	16
4th class.....	5	4	3	3	3	23	18	12	12	11

¹ Beginning 1979, includes express mail established as a class of mail on October 9, 1977, and mailgrams. ² Controlled circulation discontinued March 22, 1961. Statistics for 1961 are included in second-class. ³ Based on estimated total population as of Jan. 1, including Armed Forces abroad. ⁴ Includes types of mail not shown separately.
Source: U.S. Postal Service, *Annual Report of the Postmaster General*.

No. 932. U.S. POSTAL SERVICE RATES FOR LETTERS AND POST CARDS: 1958 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series R 188-191]

DATE OF RATE CHANGE	SURFACE MAIL				Do- mestic air- mail let- ters ¹	DATE OF RATE CHANGE	SURFACE MAIL				Do- mestic air- mail let- ters ¹
	Letters			Postal and post cards			Letters			Postal and post cards	
	Each ounce	First ounce	Each added ounce				Each ounce	First ounce	Each added ounce		
1958 (Aug. 1).....	4¢	(x)	(x)	3¢	7¢	1975 (Sept. 14)	(x)	10¢	9¢	7¢	(x)
1963 (Jan. 7)	5¢	(x)	(x)	4¢	8¢	1975 (Dec. 31).....	² (x)	² 13¢	² 11¢	² 9¢	(²)
1968 (Jan. 7)	6¢	(x)	(x)	5¢	10¢	1978 (May 29).....	(x)	15¢	13¢	10¢	(³)
1971 (May 16)	8¢	(x)	(x)	6¢	11¢	1981 (Mar. 22).....	(x)	18¢	17¢	12¢	(⁴)
1974 (Mar. 2).....	10¢	(x)	(x)	6¢	13¢	1981 (Nov. 1).....	(x)	20¢	17¢	13¢	(⁴)

X Not applicable. ¹ Each ounce, except as noted. ² As of October 11, 1975, surface mail service upgraded to level of airmail. ³ 17¢ for first ounce; 15¢ for each added ounce. ⁴ As of May 1, 1977, domestic airmail service, as a separate class of mail, was discontinued.
Source: U.S. Postal Service, "United States Domestic Postage Rates: Recent History," and unpublished data.

No. 933. INTERNATIONAL AIR MAIL RATES FROM THE U.S.: 1961 TO 1981

[Excludes Canada and Mexico]

DATE OF RATE CHANGE	ZONE 1 ¹		ZONE 2 ²		ZONE 3 ³		Post cards	Aero-grammes
	Each ½ ounce up to two ounces	Each added ½ ounce	Each ½ ounce up to two ounces	Each added ½ ounce	Each ½ ounce up to two ounces	Each added ½ ounce		
July 1, 1961.....	.13	.13	.15	.15	.25	.25	.11	.11
May 1, 1967.....	.15	.15	.20	.20	.25	.25	.13	.13
July 1, 1971.....	.17	.17	.21	.21	.21	.21	.13	.13
Mar. 2, 1974.....	.21	.17	.26	.21	.26	.21	.18	.18
Jan. 3, 1976.....	.25	.21	.31	.26	.31	.26	.21	.22
Jan. 1, 1981.....	.35	.30	.40	.35	.40	.35	.26	.30

¹ Caribbean, Central and South America. The airmail letter rate to South America, 1961 to 1987, was the same as that to Europe. Beginning January 3, 1976, the airmail letter rate to all South American countries except Colombia and Venezuela is the same as Europe; Colombia and Venezuela are included in the first zone. ² Europe and Mediterranean Africa. ³ Rest of world. ⁴ Up to 32 oz.; 30 cents per additional ounce over 32. ⁵ Up to 32 oz.; 35 cents per additional ounce over 32.
Source: U.S. Postal Service, unpublished data.

NO. 934. UTILIZATION OF SELECTED MEDIA: 1950 TO 1982

ITEM	Unit	1950	1955	1960	1965	1970	1975	1979	1979	1980	1981	1982
Households with —												
Telephone service ¹	Percent	62	72	79	85	91	93	96	96	96	97	(NA)
Radio sets ²	Percent	92.6	95.4	96.3	96.6	96.6	96.6	96.9	99.0	99.0	99.0	99.0
Average number of sets	Number	2.1	2.4	3.7	4.1	5.1	5.6	6.7	5.7	5.5	5.5	5.5
Television sets ³	Percent	9	85	87	93	95	97	98	98	98	98	98
Average number of sets	Number	1.01	1.03	1.13	1.22	1.39	1.54	1.63	1.87	(NA)	(NA)	(NA)
Color set households	Millions	-	(2)	3	2.8	20.9	46.9	56.9	60.3	63.4	68.1	71.4
Average viewing per day ⁴	Hours	4.6	4.9	5.1	5.5	5.8	6.1	6.3	6.3	6.3	6.6	6.7
Stations ⁵	Number	2,336	3,179	4,218	4,867	5,584	6,228	6,462	6,492	6,603	(NA)	(NA)
AM and FM	Number	2,143	2,704	3,470	3,941	4,209	4,355	4,316	4,253	4,259	(NA)	(NA)
FM affiliates of AM stations	Number	(NA)	(NA)	(NA)	(NA)	225	477	655	881	715	(NA)	(NA)
FM independents	Number	86	38	218	338	464	703	777	835	904	(NA)	(NA)
TV stations	Number	107	437	530	568	686	693	714	729	725	(NA)	(NA)
Cable television: ⁶												
Systems	Number	770	400	640	1,325	2,490	3,508	3,875	4,150	4,226	4,375	4,826
Subscribers served	Millions	7.01	15	65	13	4.5	9.8	13.0	14.1	15.6	18.3	21.0
Daily newspaper circulation: ⁷												
Number	Millions	53.8	56.1	56.9	60.4	62.1	60.7	62.0	62.2	62.2	61.4	(NA)
Per capita ⁸	Number	.354	.340	.327	.312	.305	.282	.279	.277	.275	.268	(NA)

- Represents zero. NA Not available. 2 Less than 50,000. ¹As of Dec. 31. Source: American Telephone and Telegraph Company, New York, N.Y., unpublished data. ²As of Dec. 31. Source: Radio Advertising Bureau, New York, N.Y., *Radio Facts*, annual (copyright). ³1970-1979, as of Sept. of prior year; all other years as of Jan. of year shown. Source: Except as noted, 1950-1965, National Broadcasting Company, New York, N.Y., thereafter, A.C. Nielsen Company, Northbrook, Ill. (copyright). In Television Bureau of Advertising, Inc., New York, "Trends in Television, 1950 to Date," April 1, 1982. ⁴Source: A.C. Nielsen Company, Northbrook, Ill. (copyright). ⁵Reporting stations, as of Dec. 1. Includes Puerto Rico and Virgin Islands. Source: U.S. Federal Communications Commission, *AM-FM and TV Broadcast Financial Data*, annual, and unpublished data. ⁶As of Jan. 1. Source: Television Digest, Inc., Washington, D.C. *Television Factbook*, annual (copyright). ⁷Data for 1952. ⁸As of Sept. 30, except 1950-1965, as of Oct. 1. Source: Editor & Publisher, Inc., New York, N.Y., *Editor & Publisher International Year Book*, annual (copyright). ⁹Per capita based on total resident population enumerated as of April 1, 1970 and 1980, and estimated as of July 1 for other years.

Source: Compiled from sources listed in footnotes.

NO. 935. TELEPHONE AND TELEGRAPH SYSTEMS: 1950 TO 1980

[Covers principal carriers filing annual reports with Federal Communications Commission. See *Historical Statistics, Colonial Times to 1970*, series R 46-70 and R 75-88, for data on telegraph systems]

ITEM	Unit	1950	1955	1960	1965	1970	1975	1977	1978	1979	1980
Domestic telephone: ¹ Carriers	Number	71	63	52	54	56	62	63	63	61	59
Telephones ²	Million	39	50	68	82	105	130	143	148	153	157
Miles of wire	Million	147	205	316	436	628	872	966	1,022	1,081	1,131
Gross book cost of plant	Bil. dol.	10.7	18.2	25.7	38.0	50.9	65.5	113.1	129.8	134.9	147.4
Depreciation reserves ³	Bil. dol.	3.0	4.1	5.6	8.1	13.2	18.8	21.9	23.5	24.9	26.5
Ratio to book cost	Percent	27.8	25.3	21.7	21.4	22.1	19.7	19.4	19.0	18.5	18.0
Capital stock	Bil. dol.	3.2	6.0	8.4	10.0	10.8	12.4	14.2	14.6	15.5	16.3
Operating revenues	Bil. dol.	3.4	5.6	8.4	11.6	18.2	31.3	40.1	45.2	49.8	55.6
Operating expenses ⁴	Bil. dol.	2.5	3.7	5.0	7.1	11.7	20.2	25.7	29.1	33.0	37.3
Net operating income ⁵	Bil. dol.	5	6	1.4	2.1	3.1	5.6	7.2	8.1	8.9	10.0
Net income	Bil. dol.	4	7	1.3	1.9	2.3	3.6	5.1	5.9	6.0	6.6
Employees	1,000	565	649	627	655	839	840	851	894	928	936
Compensation of employees	Bil. dol.	1.8	2.7	3.4	4.3	7.0	11.7	13.4	16.2	18.4	20.2
Overseas telephone:											
Number of overseas calls	Million	7	1.2	3.3	7.5	23.4	62.2	96.3	133.9	168.3	199.6
Revenue from overseas calls	Mill. dol.	9	16	42	101	252	582	796	963	1,106	1,535
Ocean cable systems	Number	1	1	5	11	13	14	15	15	15	16
Communications satellites	Number	-	-	-	1	4	5	5	5	5	5
Domestic telegraph: Carriers	Number	1	1	1	1	1	1	1	1	1	1
Revenue messages transmitted	Million	179	164	124	94	70	42	45	50	55	55
Message revenues ⁶	Mill. dol.	152	189	190	192	234	197	214	238	271	296
Total operating revenues	Mill. dol.	178	229	262	306	402	505	565	676	636	697
Operating revenue deductions	Mill. dol.	167	208	247	292	368	435	470	492	561	603
Operating income ⁷	Mill. dol.	8	13	11	24	34	70	85	84	75	94
Teletypewriter messages	Million	15	23	33	47	46	54	53	56	59	68
Overseas telegraph: ⁸											
Carriers	Number	11	10	9	6	6	6	6	6	7	7
Revenue messages transmitted	Million	23	26	28	29	32	26	23	22	21	20
Message revenues ⁹	Mill. dol.	42	50	71	78	124	217	276	320	355	380
Total operating revenues	Mill. dol.	50	68	87	107	194	316	397	455	487	535
Operating revenue deductions	Mill. dol.	45	66	77	87	168	245	294	336	362	405
Operating income ¹⁰	Mill. dol.	4	3	6	14	26	48	89	83	85	79
Return on investment: ¹¹											
Telephone	Percent	6.1	6.6	7.3	7.3	7.1	7.6	8.3	8.5	8.5	8.7
Domestic telegraph	Percent	5.1	7.6	5.0	5.6	5.0	6.1	7.0	6.6	5.5	6.6
Overseas telegraph	Percent	7.3	5.6	7.2	11.0	10.6	12.0	15.8	16.2	17.9	15.9

- Represents zero. ¹Includes Puerto Rico and, beginning 1965, Virgin Islands. Excludes intercompany duplications. Gross operating revenues of carriers reporting since 1970 estimated at 90 percent of all carriers. ²Includes company, service, and private. ³Includes amortization reserves. ⁴Excludes taxes. ⁵After tax deductions. ⁶Includes telex service; for domestic telegraph, excludes TWX. ⁷After Federal income taxes. ⁸Beginning 1965, excludes South American and most Caribbean operations of All America Cable and Radio, Inc. ⁹Ratio of net operating income (after taxes) to average net book cost of communications plant.

Source: U.S. Federal Communications Commission, *Statistics of Communications Common Carriers*, annual, and unpublished data.

NO. 936. BELL TELEPHONE COMPANIES—SUMMARY: 1960 TO 1981

[As of Dec. 31 or for calendar year, as applicable. Comprises American Telephone and Telegraph Company and its principal telephone subsidiaries, plus Southern New England and Cincinnati Bell Telephone Companies. See also *Historical Statistics, Colonial Times to 1970*, series R 17-30]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Central offices ¹	1,000	11.2	13.4	15.1	17.2	17.5	17.8	18.1	18.7	18.2	19.7
Miles of—Wire	Million	308	423	502	632	671	910	962	1,018	1,058	1,113
Cosial tube	1,000	97	169	267	333	336	337	331	332	334	330
Telephone grade carrier channel ²	Million	76	167	414	645	672	715	756	854	979	1,091
Microwave radio relay ³	1,000	298	728	1,161	1,389	1,370	1,407	1,402	1,402	1,470	1,705
Book value of plant (cost)	Bil. dol.	24.7	36.2	56.2	89.2	95.9	103.6	113.0	123.9	135.5	148.5
Depreciation reserves ⁴	Bil. dol.	5.4	7.8	12.8	17.6	18.7	19.9	21.2	22.6	24.0	27.2
Operating revenues ⁵	Bil. dol.	8.1	11.3	17.4	29.8	33.5	37.3	42.0	48.4	51.9	59.4
Local exchange	Bil. dol.	4.7	6.1	9.7	14.4	16.0	17.5	19.2	20.8	23.0	26.3
Toll	Bil. dol.	3.1	4.7	8.0	14.2	16.4	18.5	21.2	23.8	26.7	30.9
Operating expenses ⁶	Bil. dol.	5.6	7.9	12.9	22.2	24.6	27.7	31.0	34.9	39.3	46.0
Net income	Bil. dol.	1.3	1.9	2.3	3.3	4.0	4.7	5.6	5.6	6.1	6.9
Dividends declared ⁷	Bil. dol.	.8	1.1	1.5	2.2	2.6	2.9	3.3	3.8	4.0	4.5
Net income ⁸	Bil. dol.	1.2	1.6	2.2	2.9	3.6	4.3	5.1	5.5	5.9	6.7
Average common equity	Bil. dol.	12.1	18.9	23.9	29.8	32.1	35.3	39.0	42.6	46.7	52.1
Return to average common equity	Ratio	10.6	9.5	9.2	9.7	11.1	12.2	13.1	12.9	12.7	12.9
Employees, number	1,000	665	627	793	760	776	765	823	855	868	874
Wages and salaries	Bil. dol.	3.3	4.2	8.6	11.1	12.2	13.4	15.1	17.3	19.3	21.5

¹1960 not fully comparable with later years. ²Message circuits added to existing wire mileage, but not requiring additional wire. Also includes microwave radio. ³Broadband, 1-way channel. ⁴Includes amortization reserves. ⁵Includes miscellaneous and uncollectible, not shown separately. ⁶Includes operating taxes other than Federal income tax. ⁷Excludes intercompany dividends. ⁸Beginning 1975, applicable to ATT common (excludes preferred dividend requirement).

Source: American Telephone and Telegraph Company, New York, N.Y., unpublished data compiled from reports of Bell System and Southern New England and Cincinnati Bell Companies.

NO. 937. INDEPENDENT TELEPHONE COMPANIES—SUMMARY: 1951 TO 1981

[As of Dec. 31 or calendar year, as applicable. See also *Historical Statistics, Colonial Times to 1970*, series R 31-45]

ITEM	Unit	1951	1965	1960	1965	1970	1975	1976	1978	1979	1980	1981
All companies ¹	Number	5,541	4,713	3,298	2,431	1,841	1,518	1,527	1,488	1,489	1,459	
Telephones	1,000	6,338	8,461	11,429	15,027	20,312	26,823	31,549	33,226	34,865	35,341	
Total telephone plant	Mill. dol.	1,098	2,043	4,019	6,826	12,390	21,200	27,788	31,644	35,300	39,298	
Operating revenues	Mill. dol.	317	590	1,020	1,670	2,953	5,500	8,065	9,240	10,475	12,206	
Reporting companies ²	Number	379	406	550	699	894	731	761	755	765	769	
Telephones	1,000	4,922	8,750	9,716	13,648	19,182	25,546	30,323	32,511	33,748	34,593	
Telephone plant in service	Mill. dol.	878	1,658	3,396	6,056	11,175	19,520	25,840	29,379	32,491	35,986	
Depreciation reserves	Mill. dol.	203	326	600	1,168	2,203	4,120	6,063	6,980	7,820	8,905	
Operating revenues	Mill. dol.	270	503	1,040	1,530	2,791	5,294	7,807	9,072	10,177	11,860	
Operating expenses ³	Mill. dol.	211	354	630	1,040	1,963	3,639	5,405	6,415	7,279	8,449	
Net income	Mill. dol.	29	67	117	225	356	711	1,073	1,210	1,266	1,505	
Common stock and surplus	Mill. dol.	(NA)	555	1,111	1,894	3,733	6,181	7,751	8,719	9,823	10,641	
Net income to common stock and surplus	Percent	(NA)	12.0	10.5	11.9	9.5	11.5	13.6	13.9	13.2	14.2	
Employees	1,000	83	72	85	101	142	152	172	187	189	192	
Wages and salaries	Mill. dol.	147	224	358	537	1,001	1,737	2,579	3,015	3,373	3,775	

NA Not available. ¹All telephone companies independent of Bell System. ²Comprises only companies submitting operating information to source cited below. ³Excludes Federal income tax.

Source: United States Independent Telephone Association, Washington, D.C., *Statistics of the Independent Telephone Industry*, annual. (Copyright.)

NO. 938. REA AND RURAL TELEPHONE BANK PROGRAM—SUMMARY: 1960 TO 1981

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981
Loans and guarantees approved, Dec. 31 ¹										
Borrowers	Number	727	845	662	621	950	966	961	990	1,010
REA amount	Mill. dol.	737	1,200	1,816	2,576	3,043	3,354	3,609	3,645	4,076
Guaranteed amount	Mill. dol.	-	-	-	237	394	392	392	416	553
Rural Telephone Bank amount	Mill. dol.	-	-	-	818	979	1,121	1,262	1,388	1,529
Route miles of line, ² Dec. 31	1,000	287	460	547	653	726	748	772	798	806
Subscribers, Dec. 31	1,000	1,142	1,728	2,335	3,045	3,599	3,877	4,073	4,262	4,375
Telephones in service	1,000	1,260	2,048	2,969	4,355	5,366	5,825	6,335	6,770	6,963
Total operating revenues	Mill. dol.	94	187	363	753	1,067	1,305	1,540	1,758	2,042
Total telephone plant	Mill. dol.	635	1,168	2,085	3,850	5,074	5,770	6,556	7,388	8,034
Employees	1,000	9.7	11.6	15.4	20.0	23.5	26.3	27.9	28.4	28.7

Represents zero. ¹Cumulative net loans (cancellations deducted). ²Line in service.

U.S. Rural Electrification Administration, *Statistical Report—Rural Telephone Borrowers*, annual.

NO. 938. TELEPHONES, CALLS, AND RATES: 1960 TO 1981

(See also Historical Statistics, Colonial Times to 1970, series R 1-10)

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981
Telephones, Dec. 31	Million	74	94	120	144	148	162	180	178	180
Total per 1,000 population	Number	406	478	582	670	686	732	755	755	789
Bell companies ¹	Million	83	79	100	118	122	132	137	143	147
Independent companies	Million	11	15	20	26	27	30	31	32	35
Business	Million	21	26	33	39	39	42	44	46	47
Residence	Million	54	68	87	105	110	120	125	130	135
Households with service ²	Percent	79	85	91	93	93	95	95	96	97
Average daily conversations:										
Bell companies ^{1,3}	Million	225	287	379	470	481	519	561	576	601
Local	Million	215	273	356	438	448	479	515	528	545
Long distance	Million	10	14	23	32	33	40	45	50	56
Independent companies ³	Million	80	80	107	143	146	160	178	180	189
Local	Million	58	77	103	138	137	150	165	166	182
Long distance	Million	2	3	4	7	9	10	11	14	17
Toll rates in effect, Dec. 31, from New York City to— ⁴										
Philadelphia	Dollar	.50	.50	.50	.60	.60	1.01	1.01	1.01	1.05
Chicago	Dollar	1.45	1.40	1.05	1.15	1.20	1.16	1.18	1.18	1.25
Denver	Dollar	1.60	1.70	1.25	1.35	1.30	1.24	1.24	1.24	1.31
San Francisco	Dollar	2.25	2.00	1.35	1.45	1.36	1.30	1.30	1.30	1.37
London	Dollar	(NA)	(NA)	3.60	3.60	3.60	4.50	4.50	4.50	3.00
Cairo	Dollar	(NA)	(NA)	(NA)	9.00	9.00	9.00	9.00	9.00	9.45
Tokyo	Dollar	(NA)	9.00	9.00	9.00	9.00	9.00	7.60	7.35	7.60
Buenos Aires	Dollar	(NA)	(NA)	8.00	8.00	8.00	8.00	8.00	6.75	7.05

NA Not available. ¹See headline, table 936. ²See footnote 3, table 940 for definition. Based on revised household counts. ³Includes messages originating in independent company areas routed in part over Bell facilities. ⁴Source: Federal Communications Commission, tariff releases. Rates for dialing station-to-station, daytime, 3-minute calls.

Source: Except as noted, American Telephone and Telegraph Company, New York, N.Y., unpublished data.

NO. 940. TELEPHONES IN USE, BY STATES: 1970 AND 1980

(As of Dec. 31)

STATE	TELEPHONES					PERCENT HOUSE- HOLDS WITH SERVICE ¹		STATE	TELEPHONES					PERCENT HOUSE- HOLDS WITH SERVICE ¹	
	Number (1,000)		Percent owned by Bell ²		Per 100 popula- tion, ³ 1980				Number (1,000)		Percent owned by Bell ²		Per 100 popula- tion, ³ 1980		
	1970	1980	1970	1980		1970	1980		1970	1980	1970	1980			
U.S.	120,155	180,424	83	81	58	92	98	Mo	2,753	3,877	83	79	59	91	95
Ala.	1,583	2,606	84	83	51	90	87	Mont	357	623	84	83	58	89	98
Alaska	85	254	-	-	40	(NA)	72	Nebr	884	1,325	58	57	63	96	100
Ariz.	858	2,109	97	95	57	82	84	Nev	333	762	35	34	85	84	88
Ark.	859	1,477	73	70	49	77	87	N.H.	425	724	95	95	59	99	100
Calif.	13,306	20,881	79	78	82	94	101	N.J.	4,786	6,725	98	98	68	99	106
Colo.	1,374	2,451	98	98	60	93	96	N. Mex.	494	878	87	86	47	80	86
Conn.	2,081	2,705	99	99	64	100	104	N.Y.	12,416	12,973	92	91	54	97	98
Del.	380	534	100	100	65	97	101	N.C.	2,385	4,261	52	53	55	82	91
D.C.	878	1,106	100	100	82	100	110	N. Dak.	321	582	70	74	65	94	106
Fla.	4,142	8,277	88	84	83	88	97	Ohio	6,201	8,135	77	75	57	94	95
Ga.	2,413	4,248	88	86	57	83	89	Okl.	1,489	2,446	88	86	59	88	94
Hawaii	424	722	-	-	48	(NA)	103	Oreg.	1,190	2,046	76	72	55	89	90
Idaho	358	707	80	70	55	87	93	Pa.	7,476	9,877	83	81	63	95	99
Ill.	7,110	10,315	83	83	68	94	99	R.I.	531	731	100	100	58	96	98
Ind.	2,905	4,166	86	84	56	90	92	S.C.	1,188	2,130	74	72	61	80	87
Iowa	1,625	2,312	70	68	60	95	97	S. Dak.	335	526	81	78	56	91	93
Kans.	1,301	1,992	83	83	64	93	97	Tenn.	1,947	3,256	84	83	54	84	90
Ky.	1,435	2,348	73	70	49	80	86	Texas	6,329	11,344	84	81	57	86	93
La.	1,781	2,898	95	94	54	87	92	Utah	596	1,078	96	96	55	93	94
Maine	490	812	90	88	56	93	96	Vt.	236	376	87	86	54	97	101
Md.	2,482	3,606	100	100	64	93	101	Va.	2,476	3,947	80	79	55	88	93
Mass.	3,523	4,629	100	100	59	98	101	Wash.	1,996	3,326	77	73	57	91	93
Mich.	5,135	7,305	89	87	60	95	98	W. Va.	763	1,140	87	86	45	82	86
Minn.	2,248	3,219	82	78	58	97	99	Wis.	2,370	3,570	72	69	58	95	99
Miss.	891	1,579	85	85	48	71	82	Wyo.	196	405	94	94	58	88	91

- Represents zero. NA Not available. ¹Includes 483,200 service telephones (noncompany telephones for which switching service is provided) in 1970, and 364,305 in 1980. ²Residential telephones per 100 population. Based on Bureau of the Census estimated resident population as of July 1, 1980. ³Households with service are sum of residence main, apartment house private branch exchange and residence service main telephones, and other residence private branch exchange systems. There tends to be a slight overstatement of the proportion of households with telephone service.

Source: U.S. Federal Communications Commission, *Statistics of Communications Common Carriers*, annual.

NO. 941. TELEVISION BROADCAST INDUSTRY FINANCES: 1960 TO 1980

[For commercial stations only. Includes Puerto Rico and Virgin Islands. Net revenues are total time sales of all networks and stations, less commissions to agencies plus incidental revenues (eg. sale of talent and program material). See *Historical Statistics, Colonial Times to 1970, series R 123-136*]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
Number of networks, Dec. 31	3	3	3	3	3	3	3	3	3	3
Number of stations reporting, Dec. 31	530	588	686	694	693	701	697	714	723	725
VHF	454	488	508	514	513	511	512	513	512	507
UHF	76	100	180	180	180	190	185	201	211	218
FINANCES (mil. dol.)										
Broadcast revenues, gross	1,504	2,328	3,337	4,479	4,860	6,191	7,000	8,286	9,365	10,477
Sales to advertisers	1,456	2,266	3,243	4,354	4,722	6,030	6,840	8,102	9,183	10,279
Network sales	747	1,142	1,551	2,005	2,157	2,675	3,242	3,726	4,311	4,808
National non-network sales	468	768	1,103	1,336	1,449	1,923	1,988	2,336	2,574	2,929
Local sales	240	328	589	1,012	1,116	1,432	1,631	2,040	2,298	2,542
Nonadvertising revenues	48	62	94	125	138	161	159	164	182	198
Broadcast revenues, net	1,269	1,985	2,808	3,781	4,094	5,198	5,869	6,950	7,875	8,808
3 networks ¹	641	1,024	1,457	1,921	2,089	2,604	3,065	3,549	4,093	4,566
Other stations	628	961	1,351	1,860	2,025	2,594	2,804	3,400	3,782	4,242
Broadcast expenses of networks and stations	1,025	1,517	2,354	3,043	3,314	3,948	4,488	5,297	6,185	7,154
3 networks ¹	548	862	1,290	1,590	1,755	2,150	2,530	2,989	3,517	4,031
Other stations	476	655	1,065	1,453	1,558	1,798	1,958	2,307	2,668	3,123
Broadcast income ²	244	448	454	738	780	1,250	1,401	1,653	1,690	1,654
3 networks ¹	95	162	167	331	314	455	555	580	575	534
Other stations	149	286	288	406	466	795	846	1,074	1,115	1,119

¹ Includes owned and operated stations.

² Before Federal income tax.

Source: U.S. Federal Communications Commission, *TV Broadcast Financial Data*, annual.

NO. 942. RADIO BROADCAST INDUSTRY FINANCES: 1960 TO 1980

[Minus sign (-) denotes loss. See heading, table 941, and *Historical Statistics, Colonial Times to 1970, series R 106-122*]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
Number of networks, Dec. 31	4	4	7	7	7	7	7	8	8	8
Number of stations reporting, Dec. 31	3,688	4,279	4,896	5,436	5,535	5,636	5,619	5,748	5,769	5,878
AM and AM-FM	3,470	3,941	4,209	4,361	4,366	4,363	4,292	4,316	4,253	4,259
FM independents	218	338	484	676	703	713	741	777	835	904
FM affiliates of AM stations ¹	(NA)	(NA)	225	397	477	562	586	655	681	715
FINANCES (mil. dol.)										
Broadcast revenues, gross	665	680	1,272	1,774	1,911	2,247	2,535	2,935	3,198	3,577
Revenues from sales to advertisers	654	668	1,267	1,766	1,890	2,226	2,513	2,911	3,172	3,547
Network sales	46	54	49	80	73	92	118	126	139	156
National non-network sales	208	261	355	387	416	495	521	582	637	746
Local sales	401	553	653	1,300	1,401	1,639	1,873	2,192	2,397	2,643
Nonadvertising revenues	11	12	15	18	21	21	22	24	26	30
Broadcast revenues, net	598	793	1,137	1,603	1,725	2,019	2,275	2,635	2,874	3,206
AM and AM-FM ¹	562	777	1,077	1,410	1,480	1,667	1,846	2,085	2,177	2,343
FM independents	6	16	41	128	143	180	225	265	362	441
FM affiliates of AM stations ¹	(NA)	(NA)	19	65	102	152	203	285	336	422
Networks ¹	63	74	88	116	134	166	213	236	253	293
Other stations	535	719	1,049	1,487	1,591	1,853	2,062	2,399	2,621	2,913
Broadcast expenses of networks and stations	552	716	1,044	1,519	1,638	1,841	2,029	2,324	2,843	3,047
AM and AM-FM ¹	544	696	973	1,315	1,384	1,529	1,642	1,827	2,004	2,240
FM independents	6	19	47	141	152	176	218	262	348	437
FM affiliates of AM stations ¹	(NA)	(NA)	24	63	86	136	171	235	291	370
Networks ¹	66	71	90	116	128	157	186	193	215	266
Other stations	486	644	955	1,403	1,510	1,684	1,842	2,131	2,427	2,782
Broadcast income ²	46	78	93	84	91	179	246	311	231	159
AM and AM-FM ¹	46	81	104	95	95	158	204	237	173	102
FM independents	-2	-3	-6	-13	-9	4	9	24	14	4
FM affiliates of AM stations ¹	(NA)	(NA)	-5	2	5	17	32	50	45	53
Networks ¹	-3	3	1	-	6	9	47	44	37	27
Other stations	49	75	94	84	85	170	200	267	194	132

- Represents zero. NA Not available. ¹ For 1960 and 1965, reports combined with AM stations. ² Includes national networks.

¹ Includes owned and operated stations.

² Before Federal income tax.

Source: U.S. Federal Communications Commission, *AM-FM Broadcast Financial Data*, annual.

NO. 943. BROADCAST AND NONBROADCAST STATIONS AUTHORIZED AND OPERATORS LICENSED, BY CLASS: 1975 TO 1981

[1975 as of June 30; thereafter, as of Sept. 30. Includes Puerto Rico and Virgin Islands. See also *Historical Statistics, Colonial Times to 1970*, series R 140-148]

CLASS	1975	1980	1981	CLASS	1975	1980	1981
STATIONS AUTHORIZED (1,000)				STATIONS AUTHORIZED (number)			
Private radio services ¹	2,802.4	18,357.3	11,887.3	Broadcast services ¹	32,172	37,172	38,827
Amateur and disaster	278.8	388.9	385.2	Commercial AM	4,488	4,688	4,752
Personal	1,530.8	14,580.2	10,080.7	Commercial TV	768	844	884
Aviation	184.4	231.6	234.8	Educational TV	256	288	292
Aircraft	154.7	198.8	189.2	TV translator	3,388	4,836	4,735
Aeronautical and fixed	7.4	9.5	9.8	Auxiliary TV	3,032	5,844	6,517
Civil air patrol	19.8	21.6	22.0	Experimental TV	3	5	8
Other	2.7	3.7	3.9	UHF signal booster	8	8	8
Industrial	244.8	504.8	805.0	Aural, studio-transmitter-link, intercity relay	1,008	2,144	2,447
Power	17.5	23.1	25.3	Commercial FM	2,847	3,380	3,522
Business	155.2	370.4	450.2	Educational FM	850	1,158	1,177
Petroleum	11.6	17.9	19.3	International	4	4	5
Forest products	4.3	8.4	8.4	Remote pickup	14,959	12,786	12,884
Special industrial	40.7	72.1	86.0	Instructional TV, fixed	187	223	235
Other	15.1	14.7	17.8	Other	381	1,147	1,384
Land transportation	22.6	28.0	32.5	Common carrier services	27,357	27,884	30,703
Railroad	8.9	10.0	10.8	Point-to-point microwave	8,133	9,184	9,317
Taxicab	3.7	4.8	5.6	Multipoint distribution serv	69	215	278
Interurban property	2.2	3.1	4.1	Local TV transmission	84	88	88
Other	7.9	9.9	12.0	Rural radio	1,218	1,682	1,701
Marine	250.7	398.3	402.0	Developmental radio	(NA)	93	141
Ship	243.8	388.6	389.0	Public mobile ²	17,783	11,451	13,309
Alaskan	2.1	2.8	2.8	International control, fixed	26	7	7
Coastal and other	5.0	9.1	10.2	Satellite earth stations ³	48	4,873	5,786
Public safety	92.8	137.1	158.5	Satellites in orbit ³	17	37	41
Police	28.8	42.3	48.2	Other	(NA)	58	57
Fire	14.0	20.8	24.8	Experimental services	1,348	1,513	1,448
Forestry conservation	6.2	7.8	8.2	Cable TV relay service ⁴	877	1,080	2,282
Highway maintenance	7.7	9.7	10.8	RADIO OPERATORS (1,000)			
Special emergency	12.4	22.4	28.8	Total	4,222	5,186	5,300
Other	23.5	34.2	38.9	Commercial	3,865	4,796	4,821
Operational fixed services ⁵	(NA)	18.0	18.5	Amateur	257	390	379

NA Not available. ¹ Each license, construction permit, or combination construction permit and license is counted as one station; therefore, a station might include a transmitter and many mobile units. ² Includes 88,086 stations for which a breakdown by class is not available. ³ Includes microwave operations. Prior to 1980, data not separable from other class categories. ⁴ Stations licensed or holding construction permits. ⁵ Beginning 1980, station count excludes individual land mobile units, which are no longer individually licensed. ⁶ Includes Intelsat, Marisat and domestic satellite systems.

Source: U.S. Federal Communications Commission, *Annual Report*.

NO. 944. PUBLIC TELEVISION STATIONS: 1961 TO 1980

[Based on a "typical" broadcast week through 1972; calendar year data for 1974 and 1978; fiscal year data thereafter. General programming is directed at the general community. Instructional programming is directed at students in the classroom or otherwise in the general context of formal education.]

ITEM	1961	1966	1968	1970	1972	1974	1976	1978	1980
Stations	¹ 56	115	¹ 153	¹ 190	220	² 238	² 253	272	281
Total weekly broadcast hours	2,188	5,888	¹ 6,534	¹ 12,217	15,587	18,321	22,088	26,084	28,038
General programs	1,431	3,248	4,871	7,897	7,904	10,888	14,329	17,829	19,508
Percent of total hours	65.5	57.5	54.7	63.0	50.7	59.3	64.8	68.8	69.8
Instructional programs	755	2,440	3,863	4,520	7,683	² 7,433	² 7,759	8,135	8,528
Average weekly broadcast hours per station	39.0	49.5	58.1	63.3	70.9	80.7	90.9	96.8	99.8
General programming	25.8	28.2	30.7	41.1	36.0	47.8	59.0	65.9	69.4
Instructional programming	13.8	21.2	25.4	24.2	34.9	² 32.8	² 31.9	29.9	30.4

¹152 stations reported in 1968 and 187 in 1970; details include data for reporting stations only. ²Includes data for 227 stations only, representing 147 primary broadcasters; does not include secondary broadcasters. ³Includes data for 243 stations only, representing 151 primary broadcasters. ⁴Includes all material from Children's Television Workshop's.

Source: Through 1970, National Instructional Television Center, Bloomington, Ind., *One Week of Educational Television, 1970* (copyright); 1972, Corporation for Public Broadcasting, *One Week of Public TV*, April 1972, and unpublished data; 1974-1980, Corporation for Public Broadcasting, *PTV Programming Content by Category Report Series*, and unpublished data.

NO. 945. PUBLIC BROADCASTING SYSTEMS—INCOME BY SOURCE: 1972 TO 1980

(In millions of dollars, except as indicated. Fiscal year data. Beginning 1976 includes nonbroadcast income)

INCOME SOURCE	1972	1974	1975	1976	1977	1978	1979	1980	PERCENT DISTRIBUTION		
									1972	1975	1980
Number of CPB-qualified public radio stations.....	132	150	169	176	182	199	210	217	(X)	(X)	(X)
Number of public TV stations.....	228	247	260	266	274	280	281	290	(X)	(X)	(X)
Total income.....	234.3	266.0	262.2	415.2	482.1	552.3	598.8	704.8	100.0	100.0	100.0
Federal government.....	59.8	67.0	82.3	112.6	135.3	160.8	163.1	192.5	25.5	25.0	27.3
State and local government.....	107.7	146.6	162.4	175.9	191.3	218.2	241.0	263.7	46.0	43.9	37.4
Subscribers and auction/marathon.....	17.6	31.5	42.3	55.4	63.7	75.2	86.1	102.3	7.6	11.4	14.5
Business and industry..... ⁽¹⁾	18.3	25.1	29.4	40.0	49.0	57.9	72.4	72.4	{ ¹ }	8.8	10.3
Foundation.....	25.1	17.9	28.7	23.0	22.8	17.2	20.4	23.5	10.7	7.8	3.3
Other.....	24.1	18.3	19.0	19.5	29.3	32.0	30.2	50.4	10.3	5.1	7.2

X Not applicable. ¹ Business and industry included in otherSource: Corporation for Public Broadcasting, Washington, D.C., *Status Report of Public Broadcasting, 1980*, and unpublished data.

NO. 946. CABLE TELEVISION—SYSTEMS AND SUBSCRIBERS: 1952 TO 1982

YEAR (As of Jan. 1)	Systems	Subscribers (1,000)	YEAR (As of Jan. 1)	Systems	Subscribers (1,000)	SUBSCRIBER SIZE-GROUP ¹	Systems, 1981 ²
1952.....	70	14	1973.....	2,991	7,300	50,000 and over.....	28
1955.....	400	150	1974.....	3,158	8,700	20,000-49,999.....	179
1960.....	640	650	1975.....	3,506	9,800	10,000-19,999.....	301
1965.....	1,325	1,275	1976.....	3,661	10,800	5,000-9,999.....	468
1967.....	1,770	2,100	1977.....	3,832	11,900	3,500-4,999.....	340
1968.....	2,000	2,500	1978.....	3,875	13,000	1,000-3,499.....	1,375
1969.....	2,260	3,600	1979.....	4,150	14,100	.....	816
1970.....	2,480	4,500	1980.....	4,225	16,000	250-499.....	565
1971.....	2,639	5,300	1981.....	4,375	18,300	Less than 250.....	508
1972.....	2,841	6,000	1982.....	4,625	21,000		

¹ Excludes 58 systems not available by subscriber size-group. ² As of June 1, 1981.Source: Television Digest, Inc., Washington, D.C., *Television Factbook*, annual. (Copyright.)

NO. 947. CABLE TELEVISION—SELECTED CHARACTERISTICS: 1976 TO 1980

(For fiscal year ending in December of year shown. Figures estimated based on financial entities reporting to the FCC. A financial entity is defined as one or more cable television community systems which report to the FCC as one business entity. Data adjusted for nonresponse)

YEAR	Communi- ties (num- ber)	FINANCIAL ENTITIES		Subscribers		Total assets (mil. dol.)	Oper- ating re- venues (mil. dol.)	Oper- ating ex- penses (mil. dol.)	Oper- ating in- come (mil. dol.)	Net in- come (mil. dol.)	Pay cable re- venue (mil. dol.)
		Total (num- ber)	Per- cent report- ing	Num- ber (1,000)	Aver- age rate per month (dol.)						
1976.....	7,198	2,349	94	12,636	6.48	2,518	1,000	816	384	58	41
1977.....	8,308	2,577	90	12,832	6.85	2,450	1,206	717	489	134	66
1978.....	8,200	2,865	90	14,114	7.03	2,871	1,511	818	593	137	192
1979.....	8,538	2,982	94	14,751	7.37	3,212	1,817	1,127	690	199	355
1980.....	8,678	2,986	96	16,913	7.66	3,222	2,222	1,439	799	118	575

¹ Before tax.Source: U.S. Federal Communications Commission, *Cable Television Revenues*, annual.

NO. 948. RADIO AND TELEVISION STATIONS OWNED BY NEWSPAPERS AND/OR MAGAZINES: 1961 TO 1981

DATE	AM radio	FM radio	TV	DATE	AM radio	FM radio	TV	DATE	AM radio	FM radio	TV
1961, Sept. 1.....	412	147	161	1971, Dec. 1.....	318	209	178	1976, Dec. 1.....	322	238	209
1965, Oct. 31.....	391	170	174	1972, Dec. 1.....	325	171	178	1977, Dec. 1.....	314	238	211
1968, Dec. 4.....	381	191	183	1973, Dec. 1.....	304	211	179	1978, Dec. 1.....	316	252	221
1969, Dec. 1.....	394	245	189	1974, Dec. 1.....	321	236	183	1979, Dec. 1.....	318	257	226
1971, Feb. 1.....	402	248	191	1975, Dec. 1.....	320	238	197	1980, Dec. 1.....	315	284	230
								1981, Dec. 1.....	311	277	246

Source: Broadcasting Publications Inc., Washington, D.C., *Broadcasting Cablecasting Yearbook*. (Copyright.)

NO. 949. RADIOS AND TELEVISION SETS—PRODUCTION AND IMPORTS, BY TYPE: 1960 TO 1981

[In thousands, except percent]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
RADIOS ¹												
Total	24,463	41,726	44,427	50,196	43,962	34,515	44,101	52,926	48,035	40,029	39,574	44,359
Percent FM/AM-FM	(NA)	15.2	48.0	47.9	59.4	65.0	59.6	65.9	66.7	66.6	77.9	76.8
Table model.....	4,511	4,370	5,714	3,023	2,764	2,253	2,676	1,990	1,805	1,250	936	1,067
Percent FM/AM-FM	16.8	32.0	72.8	83.6	81.7	80.6	66.4	54.5	61.3	72.5	59.3	58.0
Clock model.....	3,780	5,448	4,874	10,425	9,174	6,641	7,353	11,447	11,488	9,354	9,445	9,782
Percent FM/AM-FM	4.1	16.0	53.8	72.7	79.1	89.1	85.8	89.4	92.3	93.4	97.6	97.9
Portable model.....	9,740	21,871	23,461	24,204	21,292	16,382	21,427	26,599	22,074	17,044	17,721	20,627
Percent FM/AM-FM	1.4	15.7	55.9	42.9	61.9	66.4	55.4	61.4	59.0	63.7	66.6	70.2
Auto model.....	6,432	10,037	10,378	12,546	10,762	9,239	12,445	12,890	12,666	12,381	11,470	12,883
Percent FM/AM-FM	(NA)	6.3	13.8	28.3	31.8	37.7	49.7	56.0	57.7	56.1	77.5	79.8
TELEVISION SETS ²												
Total	5,706	11,026	9,463	17,367	15,279	10,637	14,131	15,431	17,407	16,619	18,532	18,479
Monochrome sets.....	³ 5,706	³ 8,382	4,852	7,296	6,868	4,418	5,937	6,090	6,733	8,576	6,729	6,056
Table and portable.....	3,274	6,956	4,463	7,049	6,732	4,354	5,863	6,033	6,706	6,559	6,714	6,056
Console.....	2,211	1,318	389	247	136	64	74	57	27	17	15	(³)
Color sets ⁴	(NA)	2,646	4,631	10,071	8,411	6,219	8,194	9,341	10,674	10,043	11,803	12,423
Table and portable.....	(NA)	(NA)	2,495	6,700	5,698	4,186	5,785	6,722	7,913	7,727	9,373	9,851
Console.....	(NA)	(NA)	2,018	3,313	2,674	2,008	2,377	2,591	2,739	2,295	2,430	2,572

NA Not available. ¹Products of U.S. manufacturers and imports by distributors or dealers for resale. Beginning 1973, also includes products purchased by U.S. manufacturers. ²Products produced or purchased by U.S. manufacturers for sale with their brand name. Beginning 1973, also includes products imported directly by distributors or dealers for resale. ³For 1960 and 1965, includes combinations; beginning 1961 consoles; not available separately, included in table and portable. ⁴1965-1979 total includes combinations; beginning 1980, included with consoles.

Source: Electronic Industries Association, Washington, D.C., *Electronic Market Data Book*, annual. (Copyright.)

NO. 950. PUBLISHING INDUSTRY—SUMMARY: 1967 TO 1977

[In millions of dollars, except as noted. Based on the censuses of manufactures; for details, see Appendix III]

ITEM	NEWSPAPERS			PERIODICALS			BOOKS		
	1967	1972	1977	1967	1972	1977	1967	1972	1977
Establishments, number.....	8,094	8,116	8,867	2,510	2,535	2,994	1,022	1,205	1,745
With 20 or more employees.....	2,029	2,120	2,147	454	453	525	287	307	346
Employees ¹ (1,000).....	336	350	349	79	67	70	52	57	60
Payroll.....	2,224	3,168	4,306	634	709	1,020	390	558	830
Value of receipts.....	5,757	8,263	13,056	3,096	3,511	6,057	2,135	2,857	4,794
Cost of materials.....	1,574	2,044	3,539	1,234	1,404	2,289	763	960	1,544
Value added by manufacture ²	4,185	6,220	9,519	1,869	2,110	3,763	1,457	1,936	3,262
New capital expenditures.....	247	360	554	58	57	86	55	48	78
Fixed assets, gross value.....	2,627	3,639	5,026	607	588	725	338	512	680
Inventories, yearend.....	163	153	382	165	196	350	573	629	992

¹Represents the average number of production workers plus the number of other employees in mid-March. ²Derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments. This result is then adjusted by the addition of value added by merchandising operations, plus the net change in finished goods and work-in-process inventories between the beginning and the end of the year.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, Industry Reports, series MC 77-1-27A.

NO. 951. NEWSPAPERS AND PERIODICALS: 1950 TO 1982

[Prior to 1960, excludes Alaska and Hawaii. Data refer to year of compilation of the Directory cited as the source, i.e., generally to year preceding year shown. See also *Historical Statistics, Colonial Times to 1970*, series R 232-243]

ITEM	1960	1965	1968	1970	1975	1978	1979	1980	1981	1982
Newspapers ¹.....	12,115	11,415	11,315	11,363	11,363	11,400	10,538	9,827	9,620	9,676
Semiweekly.....	337	324	324	357	423	506	569	543	537	496
Weekly.....	9,794	9,126	8,979	8,989	8,903	8,824	7,980	7,357	7,159	6,806
Daily.....	1,894	1,860	1,854	1,843	1,838	1,819	1,783	1,744	1,744	1,712
Periodicals ¹.....	6,090	7,648	8,422	6,090	9,573	9,657	9,582	9,719	10,236	10,688
Weekly.....	1,443	1,602	1,580	1,716	1,856	1,918	1,827	1,764	1,716	1,672
Semi-monthly ²	416	503	527	550	569	537	541	594	645	669
Monthly.....	3,694	3,782	4,113	4,195	4,314	4,087	3,846	3,850	3,985	4,078
Bi-monthly.....	436	606	743	876	957	1,009	1,031	1,043	1,114	1,237
Quarterly.....	604	674	895	1,030	1,106	1,063	1,172	1,261	1,444	1,554

¹Includes other not shown separately. ²Includes fortnightly (every two weeks).

Source: IMS Press, Fort Washington, Pa., *Ayer Directory Publications*, annual. (Copyright.)

No. 952. NEWSPRINT CONSUMPTION AND NEWSPAPER PAGES: 1960 TO 1981

[Consumption data for 1960 thru 1970 are predominately 32 lb. basis weight; beginning with 1975, data predominately 30 lb. basis weight. Metric ton = 1.102 short tons. See table 1251 for additional newspaper data. See also *Historical Statistics, Colonial Times to 1970*, series R 216-223]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981
Newsprint consumption, total ¹	Mt. metric ton	8.7	7.8	8.8	8.4	9.3	9.9	10.2	10.1	10.2
Per capita ²	Pound	77.4	62.8	69.5	66.3	92.8	98.2	99.7	97.7	97.7
By daily newspapers ³	Mt. metric ton	5.8	5.7	7.3	6.8	7.2	7.8	7.9	7.8	7.8
Advertising content ⁴	Percent	58.4	60.5	61.5	63.7	*63.1	*63.4	*63.7	*62.6	(NA)
Other content ⁴	Percent	40.6	39.5	38.5	36.3	*36.9	*36.6	*36.3	*37.4	(NA)
Price per metric ton ⁵	Dollar	144	144	179	267	336	353	413	470	500
Newspaper pages per issue: ⁶										
Daily	Number	43	50	47	57	54	*60	*64	66	64
Sunday	Number	142	167	145	160	177	*196	*207	206	210

NA Not available. ¹Estimated. ²Based on U.S. Bureau of the Census estimated resident population as of July 1. ³Estimated. 1981 preliminary. ⁴Based on data from Media Records, Inc. ⁵Source: Editor & Publisher Co., Inc., New York, N.Y., *Editor & Publisher*, weekly (copyright). ⁶General prices in the eastern U.S. in effect at end of year. Source: Except as noted, American Newspaper Publishers Association, Reston, Va., *Newspaper Statistics*, annual.

No. 953. NUMBER AND CIRCULATION OF DAILY AND SUNDAY NEWSPAPERS: 1950 TO 1981

[Prior to 1960, excludes Alaska and Hawaii. Number of newspapers as of the following dates: 1950-1960, Oct. 1; 1965, Jan. 1; 1970-1981, Feb. 1 of the following year, except 1977, as of Mar. 30 the following year. Circulation figures as of Sept. 30, except 1960-1965 as of Oct. 1. For English language newspapers only. See *Historical Statistics, Colonial Times to 1970*, series R 224-231]

ITEM	1950	1955	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
NUMBER OF NEWSPAPERS												
Daily: Total ¹	1,772	1,760	1,763	1,751	1,748	1,756	1,762	1,753	1,756	1,763	1,745	1,730
Morning	322	318	312	320	334	339	346	352	355	362	367	406
Evening	1,450	1,454	1,459	1,444	1,429	1,436	1,435	1,435	1,419	1,405	1,368	1,352
Sunday	549	541	563	562	566	638	650	666	696	720	736	755
CIRCULATION (mil.)												
Daily: Total ¹	53.6	56.1	58.9	60.4	62.1	60.7	61.0	61.5	62.0	62.2	62.2	61.4
Morning	21.3	22.2	24.0	24.1	25.9	25.5	25.9	26.7	27.7	28.6	29.4	30.6
Evening	32.6	34.0	34.9	36.3	36.2	35.2	35.1	34.8	34.3	33.6	32.8	30.9
Sunday	46.6	48.4	47.7	48.6	49.2	51.1	51.6	52.4	54.0	54.4	54.7	55.2

¹Beginning 1955, all-day newspapers are counted in both morning and evening columns but only once in total. Circulation is divided equally between morning and evening.

No. 954. NUMBER AND CIRCULATION OF DAILY NEWSPAPERS BY POPULATION-SIZE CLASS OF CITY: 1955 TO 1981

[Prior to 1960 excludes Alaska and Hawaii. Number of newspapers for 1955 and 1960 as of Oct. 1; 1970-1981 as of February 1 the following year. Circulation as of Sept. 1, except 1965 and 1980 as of Oct. 1. For English language newspapers only. See table 25 for number of cities by population size]

TYPE OF DAILY AND POPULATION-SIZE CLASS	NUMBER ¹						NET PAID CIRCULATION ¹ (1,000)					
	1955	1960	1970	1975	1980	1981	1955	1960	1970	1975	1980	1981
Morning dailies in cities of:												
1,000,001 or more	16	16	15	14	20	20	7,202	7,935	7,667	7,159	6,795	9,033
500,001 to 1,000,000	20	22	26	26	27	21	3,918	4,636	5,747	5,561	5,705	4,652
100,001 to 500,000	77	66	91	89	99	115	6,821	7,613	8,169	7,836	6,996	10,607
50,001 to 100,000	62	64	65	69	75	78	2,279	2,278	2,220	2,619	2,973	3,074
25,001 to 50,000	58	54	56	67	64	64	973	949	1,317	1,422	1,701	1,741
Less than 25,000	66	71	78	75	102	110	714	646	814	874	1,243	1,445
Evening dailies in cities of:												
1,000,001 or more	19	17	12	12	11	9	5,742	5,021	4,716	4,156	2,964	2,299
500,001 to 1,000,000	24	29	24	24	23	18	4,856	5,375	4,807	4,573	4,101	2,841
100,001 to 500,000	105	116	129	127	123	128	9,251	9,676	10,034	8,918	8,178	8,917
50,001 to 100,000	119	156	176	175	156	152	3,540	4,501	5,221	5,379	4,896	4,882
25,001 to 50,000	226	256	250	246	246	262	3,659	4,345	4,766	4,698	5,106	5,266
Less than 25,000	955	686	836	850	829	783	6,118	5,993	6,667	7,242	7,523	7,064

¹All day newspapers are counted in both morning and evening columns; circulation is divided equally between morning and evening.

Source of tables 953 and 954: Editor & Publisher Co., Inc., New York, N.Y., *Editor & Publisher International Yearbook*, annual. (Copyright.)

No. 955. DAILY AND SUNDAY NEWSPAPERS—NUMBER AND CIRCULATION, BY STATES: 1961

[Number of newspapers as of Feb. 1 of the following year. Circulation figures as of Sept. 30. For English language newspapers only.]

STATE	DAILY			SUNDAY		STATE	DAILY			SUNDAY	
	Number	Circulation ¹		Number	Net paid circulation (1,000)		Number	Circulation ¹		Number	Net paid circulation (1,000)
		Net paid (1,000)	Per capita ²					Net paid (1,000)	Per capita ²		
Total	1,730	61,431	.268	755	55,180	Mo.	49	1,511	.308	18	1,382
Ala.	28	740	.189	21	802	Mont.	11	201	.253	8	202
Alaska	8	115	.282	2	90	Nebr.	19	485	.308	6	413
Ariz.	18	620	.222	10	807	Nev.	8	230	.272	5	235
Ark.	32	488	.213	17	487	N.H.	9	199	.213	2	81
Calif.	124	5,988	.247	51	5,524	N.J.	26	1,887	.228	17	1,880
Colo.	27	921	.311	10	950	N. Mex.	20	281	.212	14	259
Conn.	25	896	.286	10	755	N.Y.	78	8,036	.457	35	5,912
Del.	3	152	.254	2	145	N.C.	55	1,388	.229	25	1,151
D.C.	1	663	.051	1	890	N. Dak.	10	194	.295	4	118
Fla.	62	2,845	.280	33	2,781	Ohio	95	3,280	.304	29	2,841
Ga.	37	1,014	.182	15	991	Okla.	53	843	.272	43	873
Hawaii	8	247	.252	3	410	Oreg.	21	686	.259	7	629
Idaho	14	213	.222	7	192	Pa.	98	3,296	.276	19	2,811
Ill.	76	2,755	.240	24	2,899	R.I.	7	314	.329	2	239
Ind.	76	1,629	.296	18	1,202	S.C.	19	607	.192	8	506
Iowa	41	968	.299	9	733	S. Dak.	12	170	.248	4	123
Kans.	47	580	.243	18	494	Tenn.	30	1,063	.230	16	1,011
Ky.	26	746	.204	11	602	Tex.	118	3,451	.234	97	3,975
La.	25	794	.184	16	825	Utah	6	263	.186	5	262
Maine	9	292	.258	1	123	Vt.	8	118	.229	3	79
Md.	16	767	.180	4	639	Va.	38	1,155	.213	15	873
Mass.	46	2,026	.351	10	1,596	Wash.	27	1,172	.278	17	1,148
Mich.	52	2,463	.268	15	2,400	W. Va.	25	405	.239	10	400
Minn.	30	1,007	.248	11	1,001	Wis.	36	1,222	.222	10	822
Miss.	25	400	.158	13	326	Wyo.	10	102	.207	4	75

¹ Circulation figures based on the principal community served by a newspaper which is not necessarily the same location as the publisher's office. ² Per capita based on total resident population estimated as of July 1, 1961.

Source: Editor & Publisher Co., Inc., New York, N.Y., *Editor & Publisher International Year Book*, annual. (Copyright.)

No. 956. COPYRIGHT REGISTRATION, BY SUBJECT MATTER: 1970 TO 1981

[In thousands. For years ending June 30, except beginning 1978, ending Sept. 30. Compares claims to copyright registered for both U.S. and foreign works. See also *Historical Statistics, Colonial Times to 1970*, series W 82-85.]

SUBJECT MATTER OF COPYRIGHT	1970	1975	SUBJECT MATTER OF COPYRIGHT	1976 ²	1979	1980	1981
Total	316.5	401.3	Total ³	416.7	426.0	464.7	471.1
Books	86.4	111.9	Monographs	112.9	122.8	119.2	119.0
Periodicals (issues)	83.9	95.1	Serials	110.9	109.6	117.9	118.6
Contributions to newspapers, periodicals	1.9	2.6	Musical works	114.6	108.3	120.2	125.0
Lectures, sermons, addresses	1.7	1.9	Dramatic works, including any accompanying music	6.1	7.1	6.0	6.8
Dramatic or dramatic-musical compositions	3.4	4.9	Choreography and pantomimes	(2)	(2)	(2)	(2)
Musical compositions	86.9	114.8	Motion pictures and filmstrips	6.5	5.7	8.5	7.8
Maps	1.9	1.8	Two dimensional works of fine and graphic art, including prints and art reproductions	12.6	12.7	16.2	15.1
Works of art, models, or designs	6.0	11.0	Sculptural works	8	2.4	2.9	2.6
Reproductions of works of art	3.0	5.0	Technical drawings and models	1.0	1.5	.8	7
Scientific or technical drawings	.8	9	Photographs	1.4	1.2	1.2	1.3
Photographs, prints, and illustrations	4.5	6.6	Cartographic works	1.2	1.7	.8	.9
Commercial prints and labels	5.3	4.7	Commercial prints and labels	7.8	2.6	4.7	6.7
Motion picture photoplays	1.2	1.0	Works of applied art	8.1	13.2	14.2	12.5
Motion pictures not photoplays	1.3	2.0	Sound recordings	9.1	10.7	12.8	13.5
Sound recordings ⁴	(x)	8.9	Multimedia works	.6	1.9	2.0	2.1
Renewals of all classes	23.3	26.2	Machine readable works	.6	1.2	1.9	2.1
			Renewals	21.2	27.0	33.0	34.2

X Not applicable. Z Less than 50. ² Registrations began in 1972. ³ Extrapolated from 11 months. Includes 50,000 registrations in-process but not completed on Sept. 30, 1978. ⁴ Due to a change in the copyright law, data for 1978 and later years are not comparable with previous years.

Source: The Library of Congress, *Annual Report*.

No. 957. NEW BOOKS AND NEW EDITIONS PUBLISHED, BY SUBJECT: 1960 TO 1961

[Prior to 1979, book entries comprise all titles submitted for listing in Bowker's *Weekly Record* during calendar year. Beginning 1979, covers listings in year shown, plus titles issued in that year which were listed in following six months. Comprises new books (published for first time) and new editions (with changes in text or format). Excludes government publications; books sold only by subscription; dissertations; periodicals and quarterlies; and pamphlets under 48 pages. 1960 data not strictly comparable with later years due to changes in classifications. See also *Historical Statistics, Colonial Times to 1970*, series R 191-216]

SUBJECT	1960	1966	1970	1975	1979	1980	1981		
							Total	New books	New editions
Total	16,012	26,566	36,071	36,572	46,163	42,377	48,793	41,434	7,359
Agriculture	156	270	265	456	538	451	474	398	76
Art	470	974	1,169	1,581	2,021	1,891	1,893	1,458	235
Biography	879	685	1,536	1,968	2,042	1,891	1,860	1,481	379
Business	305	537	797	820	1,362	1,185	1,342	1,040	302
Education	348	954	1,178	1,036	1,121	1,011	1,172	1,020	152
Fiction	2,440	3,241	3,137	3,805	3,264	2,835	5,855	5,003	852
General reference	262	634	646	1,113	1,471	1,643	1,743	1,514	229
History	665	1,682	1,895	1,823	2,160	2,220	2,321	1,856	465
Home economics	197	300	321	728	897	879	1,108	957	151
Juvenile	1,725	2,895	2,540	2,292	3,052	2,859	3,102	2,801	201
Language	228	527	472	436	560	529	761	649	112
Law	394	436	604	915	1,218	1,102	1,448	1,132	316
Literature	738	1,686	3,065	1,904	1,749	1,888	1,777	1,521	256
Medicine	520	1,218	1,476	2,282	3,257	3,292	3,768	3,163	605
Music	98	300	404	305	369	357	396	297	101
Philosophy, psychology	480	979	1,260	1,374	1,377	1,429	1,465	1,221	244
Poetry, drama	482	964	1,474	1,501	1,381	1,179	1,163	1,063	120
Religion	1,104	1,855	1,788	1,773	2,325	2,055	2,278	1,931	347
Science	1,089	2,582	2,356	2,942	3,156	3,109	3,375	2,786	577
Sociology, economics	754	3,242	5,812	6,680	7,715	7,152	7,801	6,679	1,122
Sports, recreation	266	591	799	1,225	1,122	971	1,264	1,069	195
Technology	698	1,153	1,141	1,720	2,391	2,337	2,313	1,677	436
Travel	466	863	1,394	794	634	504	472	376	98

¹ Increase is due in part to a major improvement in the recording of paperback books.

Source: R. R. Bowker Co., New York, N.Y., *Publishers Weekly*. (Copyright by Xerox Corporation.)

No. 958. BOOKS AND PERIODICALS—AVERAGE RETAIL PRICES: 1975 TO 1981

[See headnote, table 957]

SUBJECT	BOOKS (per vol.)				SUBJECT	PERIODICALS ¹			
	1975	1979	1980	1981 prel.		1975	1980	1981	1982
Hard cover books ²	\$16.19	\$23.96	\$24.84	\$25.46	Total	\$18.94	\$34.54	\$39.15	\$44.90
Agriculture	13.72	20.94	27.55	32.35	Agriculture	9.70	15.24	17.24	19.76
Art	17.90	21.95	27.70	32.16	Business and economics	15.26	25.42	28.86	32.67
Biography	14.09	17.52	19.77	22.10	Chemistry and physics	76.84	137.45	156.30	177.94
Business	16.54	23.11	22.45	21.02	Children's periodicals	4.89	7.85	8.56	9.90
Economics ³	21.65	43.57	31.78	27.53	Education	14.72	23.45	25.18	26.18
Education	10.81	15.10	17.01	18.47	Engineering	26.64	49.15	54.55	61.54
Fiction	8.31	11.99	12.46	13.36	Fine and applied arts	11.06	18.67	20.51	23.35
General reference	21.80	26.56	29.84	33.43	History	11.14	15.77	17.96	20.37
History	15.85	19.79	22.78	22.65	Home economics	14.24	24.63	27.34	34.27
Home economics	10.27	11.95	13.31	15.63	Industrial arts	10.58	20.70	22.62	27.13
Juvenile	5.82	7.14	8.16	8.29	Journalism, communications	14.70	27.34	29.60	33.91
Language	15.80	18.25	22.16	23.14	Labor and industrial relations	7.40	18.64	21.68	24.72
Law	23.22	29.44	33.25	33.01	Law	15.00	23.00	24.80	27.53
Literature	14.89	17.64	18.70	19.33	Library science	14.18	23.25	26.47	33.52
Medicine	22.15	29.27	34.26	36.83	Literature and languages	10.41	15.30	17.30	19.38
Music	14.83	18.93	21.79	24.99	Mathematics, botany, geology, and general science	35.95	67.54	75.62	87.99
Philosophy, psychology	12.75	17.96	21.70	22.07	Medicine	42.38	73.37	86.38	102.87
Poetry and drama	10.76	15.83	17.85	18.86	Philosophy and religion	9.05	14.73	16.40	17.92
Religion	11.16	14.83	17.81	18.97	Physical education and recreation	7.80	13.63	15.42	16.91
Science	22.81	30.69	37.45	40.27	Political science	12.79	19.30	22.69	25.89
Sports ⁴	10.97	13.86	15.92	18.66	Psychology	27.51	41.66	47.27	54.21
Technology	19.68	27.82	33.54	36.33	Sociology and anthropology	14.85	27.56	31.37	36.38
Travel	15.43	15.02	16.80	19.45	Zoology	27.37	44.58	48.32	61.07
Paperbacks:					General interest periodicals	14.39	19.67	21.63	23.93
Mass market ⁵	1.48	2.08	(NA)	2.65					
Trade or higher	5.24	7.21	8.80	9.70					

NA Not available. ¹Excludes publications of U.S. and other governmental units; books sold only by subscription and dissertations. ²Includes sociology. ³Includes recreation. ⁴"Pocket-sized" books sold primarily through magazine and news outlets, supermarkets, variety stores, etc. ⁵Average annual subscription prices.

Source: R. R. Bowker Co., New York, N.Y., books, *Publishers Weekly*; periodicals, *Bowker Annual of Library and Book Trade Information*, and *Library Journal*, Sept. 1982. (Copyright by Xerox Corporation.)

No. 959. QUANTITY OF BOOKS SOLD AND VALUE OF U.S. DOMESTIC CONSUMER EXPENDITURES, BY TYPE OF PUBLICATION AND BY MARKET AREA: 1974 TO 1980

[Includes all titles released by publishers in the U.S. and imports which appear under the imprints of American publishers. Multi-volume sets, such as encyclopedias, are counted as one unit]

ITEM	UNITS SOLD (millions)					CONSUMER EXPENDITURES (mil. dol.)				
	1974	1977	1978	1979	1980	1974	1977	1978	1979	1980
Total	1,411	1,829	1,809	1,644	1,383	2,954	5,762	6,812	7,309	6,224
TYPE OF PUBLICATION										
Trade.....	272	287	323	327	369	897	1,285	1,506	1,629	1,984
Adult.....	167	194	217	226	269	711	1,033	1,229	1,345	1,640
Hardbound.....	107	111	126	130	152	548	763	813	977	1,161
Juvenile.....	86	83	106	101	121	186	232	267	284	344
Hardbound.....	50	53	54	59	64	161	166	201	222	251
Religious.....	62	109	112	106	99	306	401	432	480	519
Hardbound.....	26	44	44	41	37	160	261	299	332	346
Professional.....	48	51	50	53	52	441	645	776	666	906
Hardbound.....	24	29	26	29	29	351	509	613	666	796
Bookclubs.....	196	212	231	221	211	267	366	455	493	524
Hardbound.....	59	57	61	64	66	215	266	327	366	404
University Press.....	6	7	8	8	9	11	58	65	71	82
Hardbound.....	4	3	4	4	4	36	44	49	54	60
Educational.....	270	247	252	261	251	806	739	817	813	836
Hardbound.....	106	92	92	100	95	351	405	440	504	504
College text.....	83	84	88	92	96	482	720	826	926	1,075
Hardbound.....	56	54	57	60	63	377	553	636	716	805
Mail order publications.....	30	40	43	46	51	253	405	452	499	576
Mass market paperbacks.....	443	494	500	527	534	477	660	665	1,073	1,206
Subscription reference.....	1	1	1	1	1	257	273	317	357	322
MARKET AREA										
General retailers.....	623	618	664	662	736	1,150	1,669	2,221	2,542	3,026
College stores.....	183	197	201	189	197	665	1,047	1,111	1,231	1,437
Libraries and institutions.....	59	66	70	72	73	323	466	556	606	660
Schools.....	304	301	305	319	306	771	954	1,063	1,177	1,222
Direct to consumers.....	262	300	317	320	315	960	1,305	1,498	1,659	1,711
Other.....	70	47	52	61	63	65	81	95	94	106

¹ Elementary, high school, and college workbooks, manuals, reprints, and objective tests included in paperbound.

Source: Book Industry Study Group, Inc., Darien, Conn., *Book Industry Trends*, 1981 (Copyright.)

No. 960. BOOKS—IMPORTS AND TRANSLATIONS INTO ENGLISH: 1979 TO 1981

[Data on 18 month basis. See headnote, table 957. Imports cover all books printed abroad and distributed in U.S. on exclusive basis.]

SUBJECT	IMPORTS			SUBJECT	IMPORTS			LANGUAGE	TRANSLATIONS		
	1979	1980	1981, prel.		1979	1980	1981, prel.		1979	1980	1981, prel.
Imports, total	5,456	5,260	5,530	Imports—Con.				Translations, total	1,660	1,363	1,296
Agriculture.....	117	104	65	Law.....	91	112	62	French.....	315	226	220
Art.....	230	157	124	Literature.....	194	183	124	German.....	300	226	247
Biography.....	173	126	79	Medicine.....	540	671	455	Italian.....	60	82	59
Business.....	79	74	46	Music.....	34	35	26	Oriental.....	75	51	61
Education.....	169	133	93	Philosophy, psychology.....	152	216	148	Russian.....	156	106	81
Fiction.....	71	71	56	Poetry, drama.....	136	120	97	Scandinavian.....	35	36	31
General works.....	150	132	104	Religion.....	136	64	73	Spanish.....	61	40	11
History.....	299	296	188	Science.....	690	1,069	752	Other.....	656	600	536
Home economics.....	51	40	9	Sociology, economics.....	1,236	1,050	835				
Juvenile.....	43	56	32	Sports, recreation.....	125	85	52				
Language.....	137	134	76	Technical books.....	326	373	263				
				Travel.....	74	55	32				

Source: R. R. Bowker Co., New York, N.Y., *Publishers Weekly*, March 12, 1982. (Copyright by Xerox Corporation.)

NO. 961. ADVERTISING—ESTIMATED EXPENDITURES: 1950 TO 1981

(In millions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series T 444-446)

YEAR	Total	National	Local	YEAR	Total	National	Local	YEAR	Total	National	Local
1950	5,700	3,260	2,440	1970	19,550	11,350	8,200	1976	33,690	18,555	15,135
1955	8,150	5,380	3,770	1971	20,740	11,775	8,965	1977	37,920	20,850	17,070
1960	11,980	7,305	4,655	1972	23,300	13,030	10,270	1978	43,950	24,025	19,925
1965	15,250	9,340	5,910	1973	25,120	13,775	11,345	1979	49,580	27,080	22,480
1966	16,090	10,800	7,290	1974	26,820	14,810	12,010	1980	54,480	30,290	24,190
1969	19,420	11,400	8,020	1975	28,160	15,340	12,820	1981, prel	61,320	34,260	27,040

Source: McCann-Erickson, Inc., New York, N.Y. Compiled for Grain Communications, Inc. in *Advertising Age* (copyright).

NO. 962. ADVERTISING—INDEXES OF NATIONAL ADVERTISING EXPENDITURES, BY MEDIUM: 1950 TO 1981

(1957 = 100. Based on the average monthly expenditure for those major media which give national coverage. See also *Historical Statistics, Colonial Times to 1970*, series T 472-484)

MEDIUM	1950	1955	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
General index	26	49	67	80	112	149	183	219	241	276	307	362
Network television	6	36	56	65	114	159	196	236	273	316	353	383
Spot television	3	26	53	90	125	184	216	223	261	291	330	379
Magazines	38	56	73	93	104	118	144	174	209	236	253	284
Weeklies	40	61	81	94	95	94	115	139	178	204	218	248
Women's	46	57	66	95	107	130	162	200	238	259	277	303
Monthlies	28	43	64	90	120	155	187	222	246	280	304	347
Newspapers	61	84	92	93	100	144	178	199	211	246	279	323

Source: McCann-Erickson, Inc., New York, N.Y. Compiled for Grain Communications, Inc. in *Advertising Age* (copyright).

NO. 963. ADVERTISING—ESTIMATED EXPENDITURES, BY MEDIUM: 1965 TO 1981

(In millions of dollars, except percent. See text, page 551 for a discussion of types of advertising. See also *Historical Statistics, Colonial Times to 1970*, series R 108-109, R 123-129, and T 444-471)

MEDIUM	EXPENDITURES								PERCENT				
	1965	1970	1975	1977	1978	1979	1980	1981, prel.	1965	1970	1975	1980	1981, prel.
Total	15,250	19,550	28,160	37,920	43,950	49,580	54,480	61,320	100.0	100.0	100.0	100.0	100.0
National	9,340	11,350	15,340	20,850	24,025	27,080	30,290	34,260	61.2	58.1	54.5	55.6	55.9
Local	5,910	8,200	12,820	17,070	19,925	22,480	24,190	27,040	38.8	41.9	45.5	44.4	44.1
Newspapers	4,426	5,704	8,442	11,132	12,707	14,493	15,541	17,420	29.0	29.2	30.0	29.5	28.4
National	784	891	1,221	1,677	1,787	2,085	2,353	2,729	5.1	4.6	4.3	4.3	4.4
Local	3,642	4,813	7,221	9,455	10,920	12,408	13,188	14,691	23.9	24.6	25.7	24.2	24.0
Magazines	1,161	1,292	1,465	2,162	2,597	2,932	3,149	3,533	7.6	6.6	5.2	5.6	5.8
Weeklies	610	817	812	903	1,159	1,327	1,418	1,598	4.0	3.2	2.2	2.6	2.6
Women's	269	301	368	565	672	730	782	853	1.8	1.5	1.3	1.4	1.4
Monthlies	282	374	485	694	767	875	949	1,062	1.8	1.9	1.7	1.6	1.8
Farm publications	71	82	74	90	104	120	130	146	.5	.3	.3	.2	.2
Television	2,515	3,596	5,263	7,612	8,955	10,154	11,368	12,650	16.5	18.4	18.7	20.9	20.6
Network	1,237	1,658	2,306	3,460	3,975	4,599	5,130	5,575	8.1	8.5	8.2	9.4	9.1
Spot	892	1,234	1,623	2,204	2,807	2,873	3,269	3,730	5.9	6.3	5.6	6.0	6.1
Local	386	704	1,334	1,948	2,379	2,682	2,957	3,345	2.5	3.6	4.7	5.5	5.4
Radio	917	1,306	1,980	2,634	3,052	3,310	3,702	4,212	6.0	6.7	7.0	6.6	6.9
Network	60	56	83	137	147	161	183	220	.4	.3	.3	.4	.4
Spot	275	371	438	546	620	665	779	896	1.8	1.9	1.5	1.4	1.5
Local	582	881	1,461	1,951	2,285	2,484	2,740	3,096	3.8	4.5	5.2	5.0	5.0
Direct mail	2,324	2,766	4,124	5,164	5,897	6,653	7,596	8,781	15.2	14.1	14.6	13.9	14.3
Business papers	671	740	919	1,221	1,400	1,575	1,674	1,841	4.4	3.8	3.3	3.1	3.0
Outdoor	160	234	335	418	486	540	578	650	1.2	1.2	1.2	1.1	1.1
National	120	154	220	290	307	355	384	419	.8	.8	.8	.7	.7
Local	60	80	115	128	159	185	214	231	.4	.4	.4	.4	.4
Miscellaneous	2,985	3,648	5,558	7,467	8,682	9,783	10,744	12,067	19.6	19.7	19.7	19.7	19.7
National	1,745	2,126	2,869	3,699	4,494	5,062	5,663	6,410	11.5	10.9	10.2	10.4	10.4
Local	1,240	1,722	2,689	3,568	4,188	4,721	5,081	5,677	8.1	8.8	9.5	9.3	9.3

Source: McCann-Erickson, Inc., New York, N.Y. Compiled for Grain Communications, Inc. in *Advertising Age* (copyright). Percentages derived by U.S. Bureau of the Census.

No. 964. TELEVISION—EXPENDITURES FOR NETWORK ADVERTISING: 1975 TO 1981

[In millions of dollars. See text, page 551 for a definition of network advertising]

TYPE OF PRODUCT	1975	1979	1980	1981	TYPE OF PRODUCT	1975	1979	1980	1981
Expenditures.....	2,431	4,887	5,147	5,583	Insurance.....	40	70	74	78
Apparel, footwear, and accessories.....	55	125	131	156	Jewelry and cameras ¹	42	120	119	129
Automotive.....	235	482	520	508	Laundry soaps, cleansers, and polishes.....	204	295	308	314
Beer and wine.....	70	245	242	287	Office equip. stationery, and supplies.....	22	48	57	88
Bldg. material, equip., fixtures.....	24	57	59	71	Pet products.....	87	145	144	142
Confectionery soft drinks.....	85	241	281	283	Proprietary medicines.....	273	355	430	489
Consumer services.....	51	138	178	191	Publishing and media.....	8	26	34	39
Dept. and discount stores.....	56	82	94	111	Records, tapes, radios, and TV sets.....	17	58	50	101
Entertainment and amusement.....	88	207	235	254	Tobacco products and supplies.....	20	9	6	15
Food and food products.....	403	775	844	916	Toiletries and toilet goods.....	415	681	765	852
Gas, lubricants, etc.....	44	55	71	79	Toys and sporting goods.....	49	93	102	114
Horticulture.....	7	12	15	14	Travel, hotels, and resorts.....	21	55	53	57
Household equip., supplies, and furnishings.....	134	223	225	252	All other.....	23	73	110	77

¹ Includes optical goods.

No. 965. TELEVISION—ESTIMATED TIME CHARGES FOR SPOT ADVERTISING: 1975 TO 1981

[In millions of dollars. Data represent activity in the 75 markets monitored by Broadcast Advertisers Reports, Inc. (BAR), covering approximately 281 stations. See text, page 551 for a definition of types of advertising]

TYPE OF PRODUCT	1975	1979 ¹	1980 ¹	1981 ¹	TYPE OF PRODUCT	1975	1979 ¹	1980 ¹	1981 ¹
Estimated time charges.....	1,245	2,304	2,486	2,847	Jewelry, optical goods, and cameras.....	11	46	55	58
Apparel, footwear, and accessories.....	34	88	105	108	Laundry soaps, polishes.....	70	110	111	116
Automotive.....	89	196	223	277	Office equip. stationery, and supplies.....	5	8	15	20
Beer and wine.....	50	114	158	182	Pet products.....	36	33	33	37
Building material, equipment, and fixtures.....	17	42	47	57	Proprietary medicines.....	71	86	93	102
Confectionery soft drinks.....	99	198	212	252	Publishing and media.....	24	80	78	81
Consumer services.....	37	85	83	97	Records, tapes, radios, and TV sets.....	59	91	73	77
Food and food products.....	283	456	507	581	Tobacco prod. suppliers.....	3	5	8	12
Gasoline, lubricants, etc.....	20	33	50	84	Toiletries and toilet goods.....	115	181	223	225
Horticulture.....	8	26	35	34	Toys and sporting goods.....	81	127	109	117
Household equipment and supplies furnishings.....	76	126	133	144	Travel, hotels, and resorts.....	36	56	76	90
Insurance.....	18	30	34	48	All other.....	13	28	37	50

¹ Beginning 1979, some advertising previously identified as local is classified as spot. Therefore, data not strictly comparable with 1975. ² Due to a definition change, data not strictly comparable with 1975.

No. 966. TELEVISION—EXPENDITURES FOR RETAIL/LOCAL ADVERTISING: 1975 TO 1981

[In millions of dollars. See headnote, table 965]

TYPE OF PRODUCT	1975	1979 ¹	1980 ¹	1981 ¹	TYPE OF PRODUCT	1975	1979 ¹	1980 ¹	1981 ¹
Expenditures.....	841	1,797	1,983	2,288	Health clubs, reducing salons.....	7	18	21	29
Amusements, entertainment.....	23	58	68	79	Home building construction, building supplies.....	13	29	35	43
Appliance stores, repair.....	16	38	38	47	Hotels, resorts, U.S.....	7	18	18	24
Auto repair, serv. stations.....	7	26	28	34	Jewelry stores.....	7	17	19	23
Auto supply, accessory stores.....	6	13	12	26	Loan, mortgage companies.....	10	12	12	13
Auto, truck dealers.....	45	122	99	113	Mail order, catalog show-rooms.....	3	12	13	15
Banks, S&L associations.....	85	140	141	158	Medical, dental services.....	2	11	13	22
Builders, real estate.....	14	46	28	24	Movies.....	59	94	102	99
Carpet, floor covering stores.....	12	24	24	28	Newspapers.....	7	13	15	18
Clothing stores.....	19	40	46	50	Optical services, supplies.....	3	10	14	11
Department stores.....	87	118	131	139	Radio, TV stations.....	NA	53	69	99
Discount dept. stores.....	34	88	74	85	Restaurants, drive-ins.....	115	263	288	351
Drug stores.....	10	23	26	34	Shoe stores.....	5	19	27	28
Food stores, supermarkets.....	71	134	149	175	Shopping centers, malls.....	7	12	13	14
Furniture stores.....	43	104	111	118	Sport, hobby, toy stores.....	8	21	23	35
Gas, electric, water cos.....	9	15	18	21	All other.....	109	214	293	294
Hardware stores.....	5	13	19	21					

NA Not available. ¹ Beginning 1979, some advertising previously identified as local is classified as spot; therefore, data not strictly comparable with 1975.

Source of tables 964-966: Television Bureau of Advertising, Inc., New York, N.Y., from data compiled by Broadcast Advertisers Reports, Inc., New York, N.Y.

NO. 967. NEWSPAPER ADVERTISING—EXPENDITURES FOR 64 CITIES: 1957 TO 1981

[In millions of dollars. Based on stratified random sample of 64 cities of different size, including suburban and central city newspapers]

TYPE OF ADVERTISING	1957	1970	1974	1975	1976	1977	1978	1979	1980	1981
Total	1,811	2,120	3,848	4,117	5,352	5,996	6,868	7,841	8,199	8,575
Automotive	63	93	109	93	127	145	151	196	162	226
Classified	313	724	957	982	1,342	1,522	1,892	2,179	2,196	2,515
Financial	42	117	135	131	146	147	203	244	297	367
General	326	426	514	547	731	752	827	982	1,122	1,380
Retail	868	1,758	2,120	2,364	3,005	3,128	3,593	4,040	4,389	5,068

Sources: Compiled by Media Records, Inc. Current data in U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly.

NO. 968. NEWSPAPER ADVERTISING—EXPENDITURES FOR NATIONAL ADVERTISING, BY TYPE OF PRODUCT: 1975 TO 1981

[In millions of dollars. Data are compiled on basis of actual space measurements of bulk of national advertising carried by weekday and Sunday newspapers. Excludes production costs]

TYPE OF PRODUCT	1975	1979	1980	1981	TYPE OF PRODUCT	1975	1979	1980	1981
Total	1,142.1	1,960.4	2,184.1	2,855.3	Industrial	13.9	28.0	40.7	57.2
Alcoholic beverages	72.2	89.2	102.9	95.0	Insurance	20.2	34.0	35.4	40.7
Liquors	64.2	75.2	86.5	80.0	Jewelry, watches, silverware	3.2	6.1	5.1	5.8
Amusements	6.2	12.6	11.8	12.6	Mail order	41.9	54.4	60.6	73.0
Automotive	175.7	336.9	313.1	369.4	Medical products, drugs	12.9	20.4	22.9	24.0
New passenger cars	129.6	248.7	228.2	281.1	Pets and pet supplies	8.4	9.2	8.9	8.9
Cameras, photo supplies and services	10.0	13.2	14.9	16.5	Political	5.2	8.3	26.7	10.0
Educational	10.0	20.8	24.5	26.6	Professional and services ¹	5.5	6.4	9.0	11.7
Farm and garden	18.5	27.0		29.5	Public service utilities and communications	19.2	37.6	50.6	66.5
Foods	131.1	167.5	186.3	179.4	Publishing ²	83.4	154.9	177.7	187.7
Franchise offers	3.0	5.3	5.3	5.9	Books	21.9	32.2	32.8	38.3
Help wanted	10.3	55.2	58.7	66.6	Radio and TV	48.4	102.9	122.4	132.7
Home heat, and equipment	2.9	8.0	13.3	14.8	Real estate	8.6	11.0	16.5	21.0
Hotels and resorts	44.1	67.9	76.3	105.1	Sporting equipment ³	6.9	6.9	7.6	13.5
Household furniture and furnishings	7.4	9.9	13.1	13.4	Tobacco	148.1	293.7	313.8	391.3
Household supplies	24.8	35.6	41.5	40.1	Toiletries, toilet goods	16.1	27.9	30.9	32.5
Health, equip. and appl.	30.4	45.7	53.0	67.6	Transportation	154.7	235.5	296.8	369.2
					Airlines	97.8	147.6	186.6	226.1
					Wearing apparel	20.2	31.2	31.4	40.3
					All other	26.9	57.4	118.9	154.0

¹Includes associations (American Medical, etc.), art galleries, ad agencies own advertising, research firms, etc. ²Includes other media not shown separately. ³Includes leisure time equipment.

Sources: Media Records, Inc., New York, N.Y., *Marketing and Media Decisions*, June 1982.

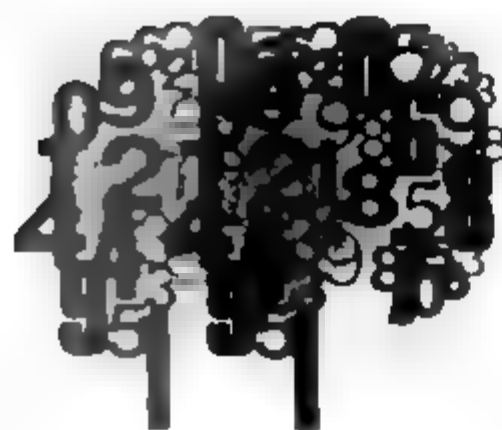
NO. 969. MAGAZINE ADVERTISING—EXPENDITURES, BY PRODUCT: 1970 TO 1981

[In millions of dollars, except percent. Space cost based on one-time rate; special rates used where applicable. Year-to-year data not strictly comparable, as a few minor publications are added or deleted]

TYPE OF PRODUCTION	1970	1975	1978	1979	1980	1981	PERCENT DISTRIBUTION		
							1970	1975	1981
Expenditures	1,181	1,336	2,974	2,671	2,546	3,225	100.0	100.0	100.0
Apparel, footwear and accessories ¹	51	47	66	92	112	141	4.3	3.5	4.4
Automotive, incl. accessories and equipment ¹	95	102	226	224	229	280	8.0	7.6	9.0
Beer, wine, and liquor	66	101	183	236	239	251	6.3	7.6	7.8
Consumer services ^{1,2}	74	102	147	172	190	206	6.3	7.8	6.4
Drugs and remedies	35	34	57	71	88	88	3.2	2.5	2.7
Food and food products	86	87	174	186	199	213	7.3	6.5	6.6
Household equipment and supplies ¹	33	25	63	67	65	82	2.8	1.9	2.6
Household furnishings ¹	38	31	65	64	73	83	3.2	2.3	2.6
Industrial materials ¹	44	34	58	70	71	67	3.7	2.6	2.1
Insurance	26	22	45	53	56	56	2.2	1.7	1.7
Radios, TV's, phonos, musical instruments ³	36	35	76	80	84	108	3.2	2.6	3.4
Smoking materials	65	144	205	281	290	314	5.5	10.6	9.7
Toiletries and toilet goods ¹	119	106	163	186	206	230	10.1	7.9	7.1
Travel, hotels, and resorts	50	65	96	110	123	137	4.2	4.9	4.3
All other (incl. retail and/or direct-mail) ¹	326	402	896	767	631	654	27.6	30.1	29.6

¹Due to classification changes, 1970, data not comparable with later years. ²Includes business services. ³Includes accessories.

Sources: Magazine Publishers Association, Inc., New York, N.Y., from data compiled by Publishers Information Bureau, Inc.



Section 20

Energy

This section presents statistics on fuel resources, energy production and consumption, electric energy, hydropower, nuclear power, and the electric and gas utility industries. The principal sources are the U.S. Department of Energy's Energy Information Administration (EIA), the Edison Electric Institute, New York, and the American Gas Association, Arlington, Va. The Department of Energy was created in October 1977 and assumed and centralized the responsibilities of all or part of several agencies including the Federal Power Commission (FPC), the U.S. Bureau of Mines, the Federal Energy Administration, and the U.S. Energy Research and Development Administration. For additional data on fuels, see section 27.

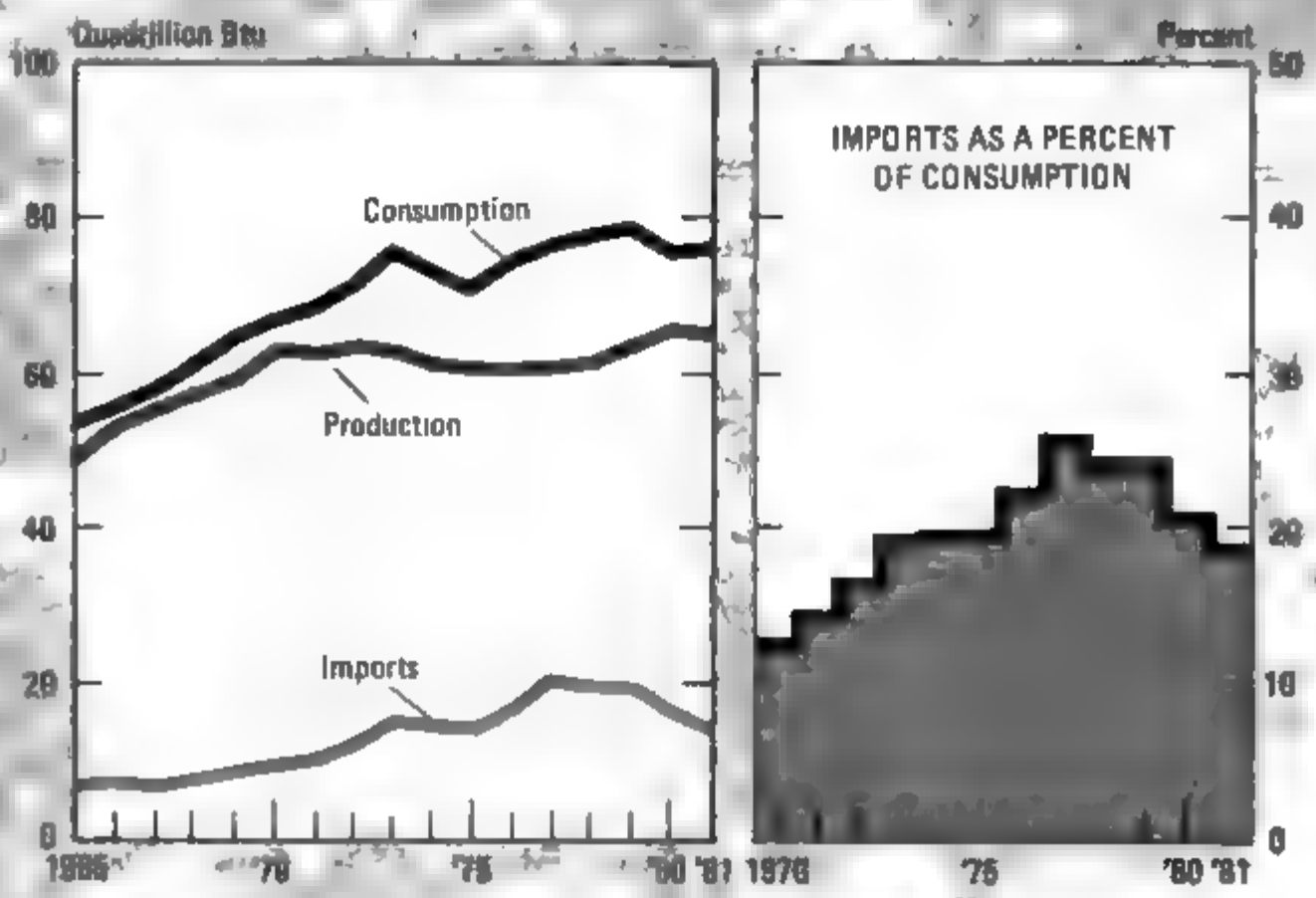
The EIA, in its *Annual Report to Congress*, provides statistics and trend data on energy supply, demand, and prices. Information is included on petroleum and natural gas, coal, electricity, nuclear power, and solar and geothermal energy. Among its annual reports are *Statistics of Privately Owned Electric Utilities in the United States*; *Statistics of Publicly Owned Electric Utilities in the United States*; *Electric Power Annual*; *Thermal Electric Plant Construction Costs*; *Cost and Quality of Fuels for Electric Plants*; *State Energy Data Report*; and *Statistics for Interstate Natural Gas Pipeline Companies*. These various publications contain national and State data on production of electricity, capacity of generating plants, fuels used in energy production, energy sales and consumption, hydroelectric power, construction costs and production expenses of power plants, and depreciation practices. The EIA also issues the annual *Inventory of Power Plants*, periodic *Energy Data Reports*, *Electric Power Monthly* and the *Monthly Energy Review*. Data on residential energy consumption, expenditures, and conservation activities are available from EIA's Residential Energy Consumption Survey and are published in *Residential Energy Consumption Survey: Consumption and Expenditures*, and *Residential Energy Consumption Survey: Conservation*, and several other reports.

The Edison Electric Institute's monthly bulletin and annual *Statistical Year Book of the Electric Utility Industry for the Year* contain data on the distribution of electric energy by public utilities; information on the electric power supply, expansion of electric generating facilities, and the manufacture of heavy electric power equipment is presented in the annual *Year End Summary of the Electric Power Situation in the United States*. The American Gas Association, in its monthly and quarterly bulletin and its yearbook, *Gas Facts*, presents data on gas utilities, including sales, revenues, customers, prices, and other financial and operating statistics.

Btu conversion factors.—Various energy sources are converted from original units (e.g., short tons, cubic feet, barrels, kilowatt-hours) to the thermal equivalent using British thermal units (Btu). A Btu is the amount of energy required to raise the temperature of 1 pound of water 1 degree Fahrenheit at or near 39.2 degrees F. Factors are calculated annually from the latest final annual data available; some are revised as a result. The following list provides conversion factors used in 1980 and 1981 for production and consumption, in that order, for various fuels: Petroleum 5.800 and 5.479 mil. Btu per barrel; bituminous coal and lignite 23.15 and 22.20 mil. Btu per short ton; and anthracite coal 23.35 and 22.16 mil. Btu per short ton. Both production and consumption factors for natural gas were 1,026 Btu per cubic foot, while the factors for the production of hydropower, nuclear power, and geothermal power were 10.35, 10.64, and 21.63 thous. Btu per kilowatt-hour, respectively.

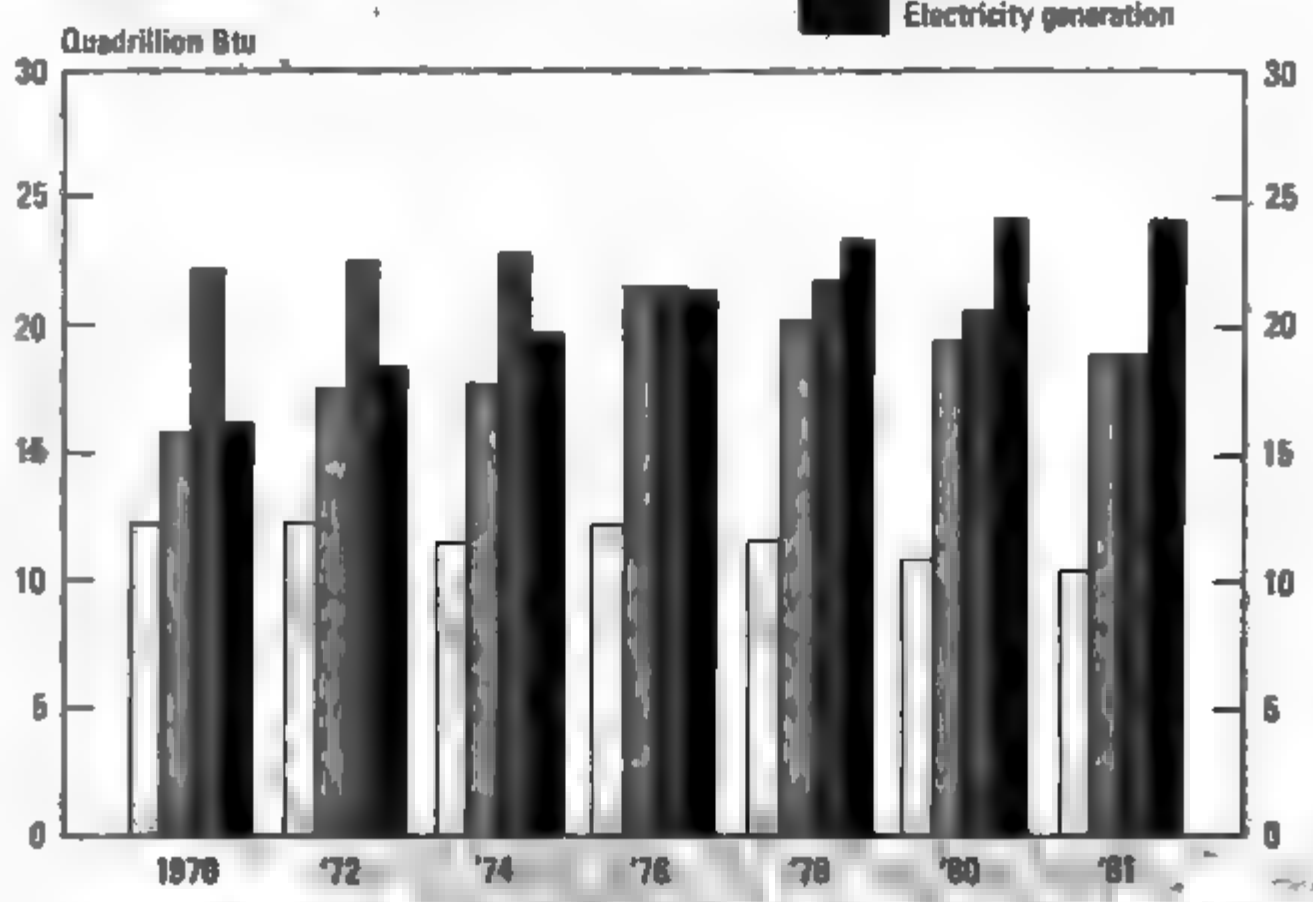
Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

Figure 20.1
Energy Production, Consumption, and Imports: 1965 to 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 872.

Figure 20.2
Fuel Resources—Consumption by Major Consumer Group: 1970 to 1981



Source: Charts prepared by U.S. Bureau of the Census. For data, see table 873.

No. 970. TOTAL HORSEPOWER OF ALL PRIME MOVERS: 1950 TO 1981

[In millions, except percent. As of January, except as noted. Prior to 1980, excludes Alaska and Hawaii, except as noted. Prime movers are mechanical engines and turbines, and work animals, which originally convert fuels or force (as wind or falling water) into work and power. Electric motors, which obtain their power from prime movers, are excluded to avoid duplication. See also *Historical Statistics, Colonial Times to 1970*, series S 1-14]

YEAR	Total horse- power	AUTOMOTIVE ¹		NONAUTOMOTIVE							
		Total	Per- cent of total	Total	Fac- tories ²	Mines ³	Rail- roads ⁴	Mer- chant ships and sailing vessels	Farms	Elec- tric central sta- tions ⁵	Air- craft ⁶
1950.....	4,888	4,404	90.5	484	33	22	111	^a 23	185	85	^a 22
1955.....	7,156	6,632	92.7	526	38	31	60	^a 24	212	138	^a 25
1960.....	11,008	10,357	94.2	641	42	35	47	24	240	217	37
1965.....	15,086	14,306	94.8	780	48	40	44	24	272	307	55
1970.....	20,408	19,325	94.7	1,083	54	45	54	22	290	435	183
1972.....	22,913	21,736	94.9	1,175	57	46	57	21	305	508	181
1973.....	24,262	23,029	94.9	1,233	58	46	57	20	308	562	182
1974.....	24,518	23,224	94.7	1,292	59	46	61	21	315	605	185
1975.....	25,100	23,752	94.6	1,348	60	47	62	22	318	654	185
1976.....	25,732	24,339	94.6	1,393	61	47	64	22	322	692	184
1977.....	26,488	25,025	94.5	1,444	62	47	62	23	326	728	194
1978.....	27,379	25,892	94.6	1,487	63	46	64	25	335	754	198
1979.....	28,162	26,617	94.5	1,545	63	46	62	26	342	803	201
1980.....	28,922	27,362	94.6	1,564	64	46	63	26	345	806	210
1981.....	29,507	27,909	94.6	1,598	64	46	65	29	345	835	212

¹Includes passenger cars, trucks, buses, and motorcycles. ²As of July 1. ³Beginning 1965, data are estimates.

⁴Beginning 1965, not strictly comparable with earlier years. ⁵Includes private planes and commercial airlines. ⁶Includes Alaska and Hawaii. ⁷Includes estimate of about 3.0 million hp in work animals and 30,000 in windmills.

Source: 1950 and 1955, The Twentieth Century Fund, New York, N.Y., J.F. Dewhurst and Associates, *America's Needs and Resources, A New Survey*; and John A. Waring, *Transactions of Canadian Sectional Meeting, World Power Conference, 1958*. Beginning 1960, John A. Waring, Murfreesboro, N.C., unpublished estimates.

No. 971. MINERAL FUEL RESOURCES AND ELECTRICITY—PRODUCTION AND CONSUMPTION, BY MAJOR SOURCE: 1950 TO 1981

[A British thermal unit (Btu) is the quantity of heat required to raise the temperature of 1 pound of water 1°F at or near its point of maximum density. Prior to 1980, excludes Alaska and Hawaii, except data for bituminous coal include Alaska for all years. For Btu conversion factors, see text, p. 559. See also *Historical Statistics, Colonial Times to 1970*, series M 78-82]

YEAR	Total production (quad. Btu)	PERCENT OF PRODUCTION				Total consumption (quad. Btu)	PERCENT OF CONSUMPTION				Consumption/production ratio
		Coal	Crude petroleum ¹	Natural gas ²	Electricity ³		Coal	Crude petroleum ¹	Natural gas ²	Electricity ³	
1950.....	34.5	42.7	33.4	20.0	3.9	33.6	38.1	39.8	18.1	4.0	.97
1955.....	39.1	32.8	37.0	27.0	3.4	39.2	29.1	44.2	23.3	3.5	1.00
1960.....	41.8	26.7	35.7	33.8	3.8	44.1	22.8	45.1	28.5	3.6	1.06
1961.....	42.3	25.4	36.0	34.7	3.9	44.7	21.9	45.2	29.2	3.7	1.08
1962.....	43.9	25.5	35.4	35.0	4.1	46.8	21.5	44.9	29.8	3.8	1.07
1963.....	46.2	26.4	34.6	35.2	3.8	48.6	21.7	44.5	30.1	3.6	1.05
1964.....	48.0	26.8	33.6	35.7	3.9	50.8	22.0	43.7	30.6	3.7	1.06
1965.....	49.7	27.0	33.3	35.6	4.2	53.0	22.3	43.6	30.2	3.9	1.07
1966.....	52.5	26.4	33.5	36.2	4.0	56.0	22.3	45.2	30.4	2.1	1.07
1967.....	55.4	25.7	33.7	36.3	4.3	57.9	21.0	43.5	31.3	4.1	1.05
1968.....	57.1	24.4	33.7	37.6	4.3	61.3	20.5	43.8	31.7	4.0	1.07
1969.....	59.4	24.0	32.9	38.5	4.7	64.5	19.6	43.8	32.4	4.3	1.09
1970.....	62.5	24.3	32.6	38.6	4.5	66.8	18.9	44.0	32.8	4.3	1.07
1971.....	61.7	22.0	32.5	40.2	5.3	68.3	17.8	44.7	32.9	4.7	1.11
1972.....	62.8	23.1	31.9	39.5	5.5	71.5	17.3	45.0	31.7	4.9	1.14
1973.....	62.4	23.0	31.2	39.7	6.1	74.6	17.8	46.7	30.2	5.2	1.20
1974.....	61.2	23.7	30.4	38.7	7.2	72.8	17.7	45.0	29.9	7.4	1.19
1975.....	60.1	25.6	29.5	38.6	8.4	70.7	18.2	45.4	28.3	7.2	1.16
1976.....	60.1	26.5	28.7	38.3	8.5	74.5	18.4	47.2	27.3	7.1	1.24
1977.....	60.3	26.3	28.9	38.3	8.5	76.3	18.3	46.7	28.1	6.9	1.27
1978.....	61.2	24.6	30.1	35.5	9.8	79.2	17.7	46.6	25.6	8.1	1.25
1979.....	63.9	27.6	28.4	35.0	9.0	78.9	19.1	47.0	26.2	7.6	1.24
1980.....	65.5	29.3	27.9	34.1	8.7	75.9	20.4	45.1	26.9	7.7	1.16
1981, prei.....	65.1	29.2	27.9	34.1	8.8	73.8	21.7	43.4	26.8	8.1	1.13

¹Production includes lease condensate. Consumption includes domestically produced crude oil, natural gas liquids, and lease condensate, plus imported crude oil and products. ²Production includes natural gas liquids; consumption excludes natural gas liquids. ³Comprised of hydropower, nuclear power, geothermal energy and other.

Source: U.S. Energy Information Administration, *Annual Report to Congress*, vol. II; beginning 1981, *Monthly Energy Review*, May 1982 issue.

NO. 972. ENERGY SUPPLY AND DISPOSITION, BY TYPE OF FUEL: 1960 TO 1981

[In quadrillion British thermal units, except percent. For Btu conversion factors, see text, p. 569]

TYPE OF FUEL	1960	1965	1970	1972	1973	1975	1976	1977	1978	1979	1980	1981, pref.
Total supply ¹	45.5	54.9	66.5	73.5	76.7	73.1	76.7	78.4	86.1	81.8	76.6	78.1
Production	41.8	49.7	62.5	62.8	62.4	60.1	60.1	60.3	61.2	63.9	65.5	65.1
Crude oil ²	14.9	16.5	20.4	20.0	19.5	17.7	17.3	17.5	18.4	18.1	18.3	18.1
Natural gas liquids	1.5	1.9	2.5	2.6	2.6	2.4	2.3	2.3	2.3	2.3	2.3	2.3
Natural gas ³	12.7	15.8	21.7	22.2	22.2	19.6	19.5	19.6	19.5	20.1	20.1	19.9
Coal	11.1	13.4	15.1	14.5	14.4	15.2	15.9	15.8	15.0	17.7	18.2	18.0
Nuclear power	(2)	(2)	.2	.6	.9	1.9	2.1	2.7	3.0	2.7	2.7	2.9
Hydropower	1.6	2.1	2.6	2.9	2.9	3.2	3.0	2.3	2.9	2.9	2.9	2.7
Geothermal and other	(2)	(2)	(2)	(2)	1	1	1	1	1	1	1	1
Imports ⁴	4.2	5.0	3.4	11.5	14.7	14.1	16.6	20.1	19.3	19.8	16.0	13.9
Percent of supply	9.3	10.8	12.1	15.5	19.2	19.3	21.9	25.6	24.0	24.0	20.1	17.8
Crude oil	2.2	2.7	2.8	4.7	8.9	8.7	11.2	14.0	13.5	13.8	11.2	9.3
Refined petroleum products ⁵	1.8	2.8	4.7	5.6	6.6	4.2	4.4	4.7	4.4	4.1	3.5	3.3
Natural gas	.2	.5	.9	1.1	1.1	1.0	1.0	1.0	1.0	1.3	1.0	.9
Total disposition	45.6	54.8	66.6	73.6	76.7	73.1	76.7	78.4	86.1	81.8	76.6	78.1
Consumption	44.1	53.0	66.6	71.6	74.6	70.7	74.5	76.3	78.2	78.0	75.9	73.8
Refined petroleum products	19.9	23.5	29.5	33.0	34.8	32.7	35.2	37.1	38.0	37.1	34.2	32.0
Natural gas ⁶	12.4	15.8	21.6	22.7	22.5	20.0	20.4	19.9	20.0	20.7	20.4	19.8
Coal	10.1	11.9	12.7	12.5	13.3	12.8	13.7	14.0	13.9	15.1	15.5	16.0
Nuclear power	(2)	(2)	.2	.6	.9	1.9	2.1	2.7	3.0	2.7	2.7	2.9
Hydropower ⁷	1.7	2.1	2.7	2.9	3.0	3.2	3.1	2.5	3.1	3.1	3.1	3.0
Geothermal and other	(2)	(2)	(2)	(2)	1	1	.1	.1	1	.1	1	1
Exports	1.5	1.8	2.7	2.1	2.1	2.4	2.2	2.1	2.0	2.9	3.7	4.3
Coal	1.0	1.4	1.9	1.5	1.5	1.8	1.6	1.5	1.1	1.8	2.4	2.9

Z Less than .50 billion. ¹Includes adjustments for stock changes, losses, gains, and miscellaneous changes, not shown separately. ²Includes lease condensate. ³Dry marketed gas. ⁴Includes other types, not shown separately. ⁵Includes imports of unfinished oils and natural gas liquids. ⁶Includes industrial generation and net electricity imports.

Source: U.S. Energy Information Administration, *Annual Report to Congress*, vol. II, beginning 1981, *Monthly Energy Review*.

NO. 973. SELECTED ENERGY INDICATORS—SUMMARY: 1950 TO 1981

[Btu—British thermal units. See text, p. 569. Minus (—) sign denotes decrease]

YEAR	ANNUAL AVERAGE PERCENT CHANGE ¹									PER CAPITA (mil. Btu)		Con- sumption per dollar GNP ³ (1,000 Btu)
	Energy production				Energy consumption				GNP ²	Energy pro- duction	Energy con- sumption	
	Total ⁴	Crude oil	Nat- ural gas	Coal	Total ⁴	Re- fined petro- leum prod- ucts	Nat- ural gas	Coal				
1950	12.4	7.2	15.6	18.7	8.2	12.1	15.9	2.3	10.9	227	223	63.4
1955	2.5	4.7	8.4	-2.7	3.1	5.3	8.8	-2.3	6.9	237	240	60.4
1960	1.3	.7	8.3	2.7	2.4	2.9	6.6	2.7	4.8	232	245	58.6
1965	3.5	2.0	4.5	3.8	3.8	3.1	4.9	3.3	4.7	257	274	57.1
1970	4.7	4.3	6.5	2.4	4.8	4.9	6.7	1.3	3.2	308	328	61.5
1971	-1.3	-1.8	2.8	-0.7	2.2	3.5	3.1	-5.1	3.4	298	330	60.9
1972	1.8	(2)	-.3	6.6	4.9	7.8	1.0	3.7	5.7	300	342	60.4
1973	-.6	-2.7	-1	-.8	4.2	5.7	-.8	6.8	5.8	286	353	59.4
1974	-1.9	-4.7	-4.4	.7	2.5	-4.0	3.5	3.2	.6	267	341	58.3
1975	1.9	4.5	7.4	5.0	2.8	-2.2	-6.2	.6	-1.2	279	328	57.3
1976	1	-2.7	-.8	4.3	5.4	7.5	2.0	7.1	5.4	276	342	57.3
1977	.3	1.1	.5	-1	2.4	5.6	2.1	1.7	5.5	274	347	56.7
1978	1.6	5.6	-.4	-5.0	2.4	2.3	.4	-.8	5.0	276	352	54.4
1979	4.3	-1.8	3.0	17.4	.9	-2.2	3.4	9.1	2.8	286	351	53.2
1980	2.6	.8	1	6.8	-3.9	-7.9	-1.4	2.3	-.4	288	334	51.3
1981	-.7	-.7	-.9	-1.2	-2.8	-5.4	-3.7	3.7	1.9	263	322	49.0

Z Less than .05 percent. ¹Represents average for period of intervals shown; for 1950, change from 1949. For explanation of average annual percent change, see Guide to Tabular Presentation. ²Includes types of fuel or power not shown separately. ³Gross national product in constant (1972) dollars, see table 990.

Source: U.S. Energy Information Administration, *Annual Report to Congress*, vol. II, beginning 1981, *Monthly Energy Review*.

No. 974. FOSSIL FUEL PRICES IN CURRENT AND CONSTANT (1972) DOLLARS: 1960 TO 1981

(In cents per million British thermal units (Btu), except as indicated. All fuel prices taken as close to the point of production as possible. See text, p. 569, for explanation of Btu conversions from mineral fuels. Minus sign (-) denotes decrease)

YEAR OR PERIOD	CURRENT DOLLARS					CONSTANT (1972) DOLLARS					GNP ¹ price deflator (1973=100)
	Composite ¹	Crude oil	Natural gas	Bituminous coal ²	Anthracite coal	Composite ¹	Crude oil	Natural gas	Bituminous coal ²	Anthracite coal	
1960	26.1	49.7	12.6	18.3	33.0	40.9	72.9	18.3	29.6	100.0	66.7
1965	27.6	49.9	14.2	17.5	35.3	37.0	66.3	19.1	23.5	47.6	74.4
1970	31.6	54.6	16.5	25.5	47.1	34.6	59.9	16.9	27.9	51.5	111.1
1972	34.8	59.4	16.9	31.9	52.9	34.8	59.4	16.9	31.9	52.9	100.0
1973	39.4	67.1	18.8	35.5	59.9	37.3	63.5	18.7	33.6	55.7	105.7
1974	67.3	118.4	27.7	66.4	86.4	66.5	109.0	24.1	57.8	65.8	114.9
1975	82.0	132.2	40.6	82.9	137.9	66.3	115.1	32.3	66.0	109.0	125.6
1976	89.8	141.2	53.1	83.9	149.0	68.0	108.9	40.2	63.5	112.8	132.1
1977	100.6	147.8	72.3	87.3	160.4	71.9	115.7	51.7	62.4	107.8	139.8
1978	111.1	156.2	83.2	87.1	149.9	74.0	116.4	56.4	61.7	99.9	150.1
1979	141.3	217.9	107.9	104.7	174.1	86.6	133.9	66.3	64.3	107.0	162.6
1980	200.2	365.3	145.9	106.1	186.4	112.9	206.0	82.3	59.8	108.2	177.4
1981, preli.	270.4	536.0	167.7	112.3	203.4	140.3	277.6	97.4	58.3	105.6	192.7
Percent change:											
1960-70	12.5	10.3	23.0	39.3	42.7	-15.4	-17.2	-7.7	4.9	7.3	39.2
1970-73	24.7	22.4	27.7	39.2	25.1	7.8	6.0	10.7	20.4	8.2	15.5
1973-75	108.1	87.0	105.1	139.5	134.1	76.1	65.8	72.7	96.4	97.1	16.8
1975-79	72.3	64.5	166.9	26.3	26.9	23.9	27.2	105.3	-2.6	-2.6	29.6
1979-80	41.7	69.0	35.2	1.3	8.2	30.1	53.8	24.1	-7.0	-7	9.0
1980-81, preli.	35.1	48.5	28.6	6.8	8.0	24.3	34.8	18.3	-2.5	-8	6.6

¹Weighted by relative importance of individual fuels in total fuels production. ²Includes lignite. ³GNP=Gross national product; see text, p. 451

Source: U.S. Energy Information Administration, *Annual Report to Congress*, vol. II.

No. 975. PRIMARY ENERGY CONSUMPTION BY CONSUMING SECTOR: 1970 TO 1981

(For definition of Btu, see text, p. 569)

SECTOR	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981, est.
Total consumption (quad. Btu).....	68.8	68.3	71.9	74.6	72.8	70.7	74.5	78.3	78.2	78.9	75.9	73.9
Residential and commercial.....	12.2	12.4	12.6	12.2	11.7	11.6	12.3	11.6	11.9	11.8	11.0	10.7
Industrial and miscellaneous.....	22.3	22.1	22.8	23.9	22.9	20.6	21.7	22.0	22.1	22.6	20.9	19.2
Transportation.....	16.0	16.7	17.6	18.5	18.0	18.1	19.0	19.7	20.6	20.4	19.7	19.2
Electricity generation.....	16.3	17.2	18.6	20.0	20.2	20.4	21.8	22.6	23.6	24.1	24.4	24.6
Percent of total:												
Residential and commercial.....	18.2	18.1	17.6	16.4	16.1	16.4	16.4	15.5	15.3	14.9	14.5	14.5
Industrial and miscellaneous.....	33.4	32.3	31.8	32.0	31.4	29.1	29.1	28.8	28.3	28.6	27.5	26.1
Transportation.....	24.0	24.3	24.6	24.8	24.7	25.6	25.5	25.8	26.3	25.8	25.9	26.0
Electricity generation.....	24.4	25.2	26.0	26.8	27.7	28.9	29.0	29.8	30.1	30.6	32.2	33.4

Source: U.S. Energy Information Administration, *Annual Report to Congress*, vol. II. Beginning 1981, *Monthly Energy Review*, May 1982 issue.

No. 976. ENERGY CONSUMPTION, BY SECTOR AND PRIMARY SOURCE: 1980 AND 1981

(In trillions of Btu. For definition of Btu, see text, p. 569)

SECTOR	Total ¹	Coal ²	Natural gas, dry	Petroleum ³	Hydroelectric ⁴	Nuclear power	Other ⁵	Electricity distributed ⁶	Electric energy loss ⁷
1980									
Final consuming sectors.....	75,844	3,341	18,548	31,850	33	-	-37	7,148	17,328
Residential and commercial.....	25,894	160	7,540	3,280	-	-	-	4,365	10,911
Industrial.....	30,368	3,181	8,996	9,274	33	-	-37	2,781	6,741
Transportation.....	19,682	-	650	18,998	-	-	-	11	26
Electric utilities.....	24,473	12,151	3,807	2,654	3,074	2,672	114	(X)	(X)
1981									
Final consuming sectors.....	73,756	3,309	16,997	29,796	33	-	-17	7,228	17,408
Residential and commercial.....	25,897	167	7,404	3,125	-	-	-	4,365	10,591
Industrial.....	29,653	3,142	7,983	8,123	33	-	-17	2,817	6,791
Transportation.....	19,216	-	630	18,548	-	-	-	11	27
Electric utilities.....	24,639	12,707	3,764	2,202	2,937	2,801	127	(X)	(X)

- Represents zero. X Not applicable. ¹Total may not equal sum of components due to independent rounding of the components. ²Represents anthracite, bituminous, lignite, and net coke imports. ³Includes petroleum products, still gas, liquefied refinery gas, and natural gas liquids. ⁴Includes net imports of electricity. ⁵Includes geothermal power, electricity produced from wood and waste, and net imports of coal coke. ⁶Electrical energy used by railroads, and for street and highway lighting, is included in transportation sector. ⁷Losses allocated by final end-use sector in proportion to their direct kilowatt-hour usage.

Source: U.S. Energy Information Administration, 1980, *State Energy Data Report*, annual; 1981, *Monthly Energy Review*, May 1982.

NO. 977. ENERGY CONSUMPTION—END-USE SECTOR AND SELECTED TYPE, BY STATE: 1980

[In billions of Btu. For Btu conversion factors, see text, p. 569]

STATE	Total ¹	END-USE SECTOR				TYPE				
		Residential	Commercial	Industrial	Transportation	Petroleum	Natural gas (dry)	Coal	Hydropower	Nuclear power
U.S.	75,944	15,272	10,822	30,386	19,482	34,204	20,381	15,482	3,187	2,672
Alabama	1,539	264	125	800	348	488	276	859	97	250
Alaska	299	35	34	141	89	131	157	5	8	-
Arizona	785	145	137	218	284	328	170	248	101	-
Arkansas	858	183	101	389	208	338	281	39	18	89
California	6,433	1,168	1,081	1,811	2,375	3,562	1,880	79	423	52
Colorado	886	186	181	288	252	388	263	249	18	7
Connecticut	738	211	129	213	185	548	74	(2)	3	125
Delaware	227	39	52	82	54	172	31	29	-	-
District of Columbia	182	45	42	39	28	48	27	3	-	-
Florida	2,524	571	381	827	945	1,745	326	226	2	178
Georgia	1,883	348	207	583	548	751	323	524	48	80
Hawaii	258	22	19	88	149	257	-	-	1	-
Idaho	385	72	80	140	83	131	90	13	86	-
Illinois	3,789	898	848	1,425	820	1,507	1,118	853	1	285
Indiana	2,442	459	229	1,318	443	825	801	1,145	5	-
Iowa	1,022	243	128	413	239	424	278	240	10	27
Kansas	1,031	188	148	415	281	372	501	189	(2)	-
Kentucky	1,358	281	185	808	325	489	207	833	30	-
Louisiana	3,307	278	281	2,101	647	1,329	1,841	3	-	-
Maine	312	78	37	113	84	223	2	3	84	47
Maryland	1,154	258	172	404	318	583	188	231	13	118
Massachusetts	1,223	370	285	211	356	930	187	23	2	34
Michigan	2,788	733	423	988	884	848	888	738	71	188
Minnesota	1,233	297	148	458	332	538	283	251	18	107
Mississippi	811	183	108	282	281	383	271	75	-	-
Missouri	1,458	407	248	380	411	808	328	536	6	-
Montana	388	81	43	173	89	177	82	82	103	-
Nebraska	542	128	98	178	140	220	167	98	14	82
Nevada	291	58	34	84	115	160	80	83	25	-
New Hampshire	199	58	27	55	58	143	9	28	11	-
New Jersey	2,070	476	384	644	586	1,318	348	88	1-3	81
New Mexico	484	83	71	174	175	212	228	203	1	-
New York	3,858	842	815	880	1,008	2,231	758	313	248	206
North Carolina	1,872	388	215	825	443	734	157	828	57	81
North Dakota	247	52	34	88	73	145	23	172	58	-
Ohio	3,884	888	483	1,727	788	1,233	919	1,530	(2)	23
Oklahoma	1,227	244	180	518	308	480	743	111	14	-
Oregon	888	180	158	311	238	388	81	14	313	57
Pennsylvania	3,818	888	442	1,792	815	1,488	784	1,808	8	129
Rhode Island	189	58	34	47	62	111	28	(2)	(2)	-
South Carolina	1,001	191	134	428	248	380	148	248	31	185
South Dakota	209	54	28	88	83	122	25	37	80	-
Tennessee	1,888	388	225	887	408	538	235	578	91	6
Texas	5,432	845	781	4,818	1,808	3,547	4,204	753	4	-
Utah	488	100	54	221	124	208	118	188	8	-
Vermont	119	38	18	28	34	88	4	(2)	10	32
Virginia	1,507	345	254	424	484	782	182	238	9	122
Washington	1,561	340	208	588	419	584	132	83	888	22
West Virginia	784	138	70	408	148	218	148	843	12	-
Wisconsin	1,383	353	211	471	328	528	380	330	22	105
Wyoming	388	32	24	253	88	188	71	282	11	-

- Represents zero. Z Less than 500 billion.

of electricity, including losses, not shown separately allocated by State.

of energy consumed.

¹For type, includes geothermal, wood and waste, and net interstate sales²For industrial sector, includes 37 billion Btu of net exports of coke not³Minus sign (-) indicates when amount of energy expended for pump storage hydropower exceeds amountSource: U.S. Energy Information Administration, *State Energy Data Report*, annual.

NO. 978. RESIDENTIAL ENERGY CONSUMPTION, EXPENDITURES, AND AVERAGE PRICES, 1970 TO 1980, AND BY REGION, 1981

[For period April to March of year stated. Excludes Alaska and Hawaii. Covers year-round occupied units only. Based on Residential Energy Consumption Survey; see Appendix B. For composition of regions, see fig. 1, inside front cover. Excludes household usage of gasoline for transportation and the use of wood or coal. Btu = British thermal units; see text, p. 568]

ITEM	Unit	1979, all house- holds	1980, all house- holds	1981				
				All house- holds	North- east	North cen- tral	South	West
ENERGY CONSUMED								
Total	Quad. Btu	10.66	9.74	9.32	2.43	2.92	2.89	1.39
Average per household	Mil. Btu	138	128	114	136	139	98	86
Natural gas	Quad. Btu	5.56	5.31	4.94	.92	2.02	1.11	.69
Electricity	Quad. Btu	2.47	2.42	2.46	.39	.60	1.08	.41
Fuel oil, kerosene	Quad. Btu	2.19	1.71	1.55	1.09	.16	.27	.04
Liquid petroleum gas	Quad. Btu	.33	.31	.36	.03	.15	.15	.04
EXPENDITURES								
Total	Bil. dol.	66.6	63.2	74.8	22.4	19.2	22.6	9.6
Average per household	Dollars	724	815	917	1268	910	877	604
Natural gas	Bil. dol.	15.3	17.8	19.3	4.7	7.2	4.3	3.1
Electricity	Bil. dol.	29.9	32.6	40.1	6.6	9.7	16.0	5.9
Fuel oil, kerosene	Bil. dol.	8.6	10.7	12.5	8.8	1.2	2.2	.3
Liquid petroleum gas	Bil. dol.	1.7	2.1	2.9	.3	1.1	1.2	.3
AVERAGE PRICE (per million Btu)								
Total	Dollars	6.25	6.46	8.02	9.22	6.56	8.11	6.86
Natural gas	Dollars	2.74	3.36	3.91	5.11	3.56	3.67	3.48
Electricity	Dollars	12.10	13.46	16.30	22.06	16.17	15.08	14.39
Fuel oil, kerosene	Dollars	3.93	6.29	8.06	6.07	7.5	8.15	7.80
Liquid petroleum gas	Dollars	5.09	6.71	8.05	10.00	7.33	8.00	7.50

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures*, annual.

NO. 979. RESIDENTIAL ENERGY CONSUMPTION AND EXPENDITURES, BY TYPE OF FUEL AND SELECTED HOUSEHOLD CHARACTERISTIC: 1981

[For period April 1980 to March 1981. Quad. = quadrillion. See footnote, table 978]

CHARACTERISTIC	CONSUMPTION (Btu's)					EXPENDITURES				
	Total ¹ (quad.)	Avg. per house- hold ¹ (mil.)	Nat- ural gas (quad.)	Elec- tricity (quad.)	Fuel oil ² (quad.)	Total ¹ (bil. dol.)	Avg. per house- hold ¹ (dol.)	Nat- ural gas (bil. dol.)	Elec- tricity (bil. dol.)	Fuel oil ² (bil. dol.)
Total households	9.32	114	4.94	2.46	1.86	74.8	917	19.3	40.1	12.5
Single family detached	6.61	125	3.59	1.86	.90	52.2	965	13.3	29.8	7.2
Single family attached	.39	118	.21	.08	.09	3.3	965	1.0	1.5	.7
2-4 unit building	1.09	110	.70	.17	.21	8.2	822	3.1	3.3	1.7
5-or-more unit building	.83	77	.33	.20	.30	7.6	703	1.5	3.8	2.4
Mobile home	.39	84	.11	.15	.05	3.7	799	.4	2.2	.4
Year house built:										
1939 or earlier	3.06	132	1.71	.50	.74	22.9	981	6.9	9.1	6.0
1940-1949	.89	119	.48	.19	.18	6.7	998	2.0	3.1	1.5
1950-1959	1.67	122	.98	.36	.27	12.6	920	3.6	6.5	2.1
1960-1969	1.73	113	.97	.49	.21	13.7	993	3.6	7.7	1.6
1970-1974	1.02	97	.45	.41	.09	9.5	900	1.8	6.4	.7
1975 or later	.93	82	.34	.48	.06	9.5	840	1.3	7.4	.5
Heating and cooling degree day zones: ³										
Less than 2,000 HDD and—										
More than 7,000 HDD	1.06	125	.54	.24	.22	6.1	951	2.0	3.8	1.7
5,500-7,000 HDD	2.95	141	1.88	.54	.45	20.7	989	7.1	9.3	3.6
4,000-5,499 HDD	2.59	122	1.12	.83	.76	22.2	1052	5.1	10.4	6.1
Less than 4,000 HDD	1.70	90	.96	.66	.10	13.4	707	3.4	6.6	.8
More than 2,000 HDD and less than 4,000 HDD	1.02	85	.44	.50	.02	10.4	861	1.7	6.0	.2
1979 family income:										
Less than \$5,000	1.02	96	.54	.21	.22	7.8	754	2.2	3.5	1.8
\$5,000-\$9,999	1.44	104	.76	.32	.29	11.2	807	3.0	5.3	2.3
\$10,000-\$14,999	1.41	102	.71	.36	.26	11.6	837	2.9	6.0	2.1
\$15,000-\$19,999	1.32	112	.71	.37	.20	10.7	900	2.7	5.9	1.6
\$20,000-\$24,999	1.25	126	.71	.35	.18	9.8	988	2.7	5.5	1.3
\$25,000-\$34,999	1.52	123	.80	.44	.23	12.4	1005	3.1	7.1	1.9
\$35,000 and over	1.35	143	.72	.41	.19	11.4	1206	2.7	6.9	1.5

¹Includes liquid petroleum gas, not shown separately. ²Includes kerosene. ³CDD = Cooling degree day; HDD = Heating degree day. See fig. 7.2, p. 221.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: 1980-1981 Consumption and Expenditures*.

No. 980. AVERAGE RESIDENTIAL ENERGY CONSUMPTION AND EXPENDITURES OF ALL FUELS USED, BY MAIN HEATING FUEL TYPE AND HOUSEHOLD CHARACTERISTIC: 1981

[For period April 1980 to March 1981. See headnote, table 978]

HOUSEHOLD CHARACTERISTIC	CONSUMPTION PER HOUSEHOLD (mil. Btu)					EXPENDITURES PER HOUSEHOLD (dollars)				
	All households ¹	Households using as main heating fuel—				All households ¹	Households using as main heating fuel—			
		Natural gas	Electricity		Fuel oil ²		Natural gas	Electricity		Fuel oil ²
			With air conditioning	Without air conditioning				With air conditioning	Without air conditioning	
Total households.....	114	131	61	69	146	917	815	839	674	1,458
Region:										
Northeast.....	138	146	52	64	158	1,268	1,026	987	997	1,580
North Central.....	139	158	65	70	132	910	881	806	997	1,309
South.....	98	122	83	55	123	877	827	873	769	1,303
West.....	68	97	51	55	111	604	613	573	398	892
Type:										
Single-family detached.....	125	145	77	71	146	985	889	1,055	869	1,493
Single-family attached.....	118	115	60	54	170	985	795	871	705	1,589
2-4 unit building.....	110	114	44	44	156	822	714	615	386	1,536
5 or more unit building.....	77	78	38	27	141	703	519	531	265	1,384
Mobile home.....	64	106	54	58	94	789	684	728	615	1,011
Year house built:										
1939 or earlier.....	132	141	75	59	154	981	604	699	619	1,512
1940 to 1949.....	119	126	74	52	139	898	787	945	540	1,392
1950 to 1959.....	122	131	72	52	138	920	817	858	596	1,429
1960 to 1969.....	227	258	127	128	282	1,791	1,860	1,670	1,393	2,876
1970 to 1974.....	97	123	59	65	132	900	647	818	849	1,399
1975 or later.....	82	118	58	51	124	840	802	847	586	1,395
Heating and cooling degree day zones: ³										
Less than 2,000 CDD and—										
More than 7,000 HDD.....	125	147	70	59	142	951	803	983	862	1,379
5,500-7,000 HDD.....	141	157	57	68	155	988	874	748	958	1,548
4,000-5,499 HDD.....	122	141	65	61	147	1,052	941	921	571	1,479
Less than 4,000 HDD.....	90	99	62	49	125	707	650	756	528	1,276
More than 2,000 CDD and less than 4,000 HDD.....	85	110	59	34	90	881	831	885	556	1,223
Measured heated space of residence:										
Less than 600 sq. ft.....	77	81	30	33	124	669	513	437	316	1,223
600-999 sq. ft.....	89	99	42	50	129	722	619	577	516	1,297
1,000-1,599 sq. ft.....	111	128	61	65	137	887	795	849	729	1,399
1,600-1,999 sq. ft.....	126	146	74	70	142	1,014	927	1,015	1,029	1,471
2,000-2,399 sq. ft.....	138	160	91	83	168	1,116	992	1,245	1,067	1,683
2,400-2,999 sq. ft.....	149	171	91	62	160	1,167	1,052	1,245	749	1,582
3,000 sq. ft. or more.....	182	209	104	68	203	1,417	1,261	1,371	1,025	2,004
1979 family income:										
Less than \$5,000.....	98	111	43	51	135	754	650	564	543	1,310
\$5,000-\$9,999.....	104	117	49	52	144	807	684	662	607	1,397
\$10,000-\$14,999.....	102	118	54	46	132	837	736	739	604	1,299
\$15,000-\$19,999.....	112	128	57	59	145	900	813	772	672	1,467
\$20,000-\$24,999.....	126	143	71	77	146	988	990	970	789	1,510
\$25,000-\$34,999.....	123	142	68	67	151	1,005	898	883	798	1,555
\$35,000 or more.....	143	161	82	71	172	1,206	1,065	1,226	923	1,855

¹ Includes households using liquid petroleum gas not shown separately. ² Includes kerosene. ³ CDD=Cooling degree day, HDD=Heating degree day. See fig. 7.2, p. 221.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: 1980-1981 Consumption and Expenditures*.

No. 981. RESIDENTIAL ENERGY CONSERVATION ACTIVITIES: 1979 TO 1981

[In millions. Covers single family units excluding mobile homes. See headnote, table 978]

REGION	ATTIC INSULATION ADDED			STORM WINDOWS OR DOORS ADDED			WALL INSULATION ADDED		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
Total households ¹	2.8	3.1	3.4	3.7	3.4	5.0	1.4	1.5	2.0
Northeast.....	.5	.6	.7	.8	.7	1.0	.3	.5	.4
North Central.....	.9	1.1	.9	1.4	1.0	1.7	.6	.6	.6
South.....	.7	.9	1.2	1.2	1.3	1.6	.3	.3	.7
West.....	.5	.5	.7	.4	.4	.8	.2	.2	.3

¹ Includes households with main heating fuel reported as other and none, not shown separately.

Source: U.S. Energy Information Administration; unpublished data from the *Residential Energy Consumption Survey*.

No. 982. WORLD ENERGY CONSUMPTION, BY REGION AND ENERGY SOURCE: 1960 TO 1980

[In tons of coal equivalent. Metric ton=1.1023 short tons. See text, p. 854, for general comments about the data]

REGION AND ENERGY SOURCE	CONSUMPTION (mil. metric tons)									PERCENT DISTRIBUTION		
	1960	1960	1970	1975	1970	1977	1979	1979	1980	1960	1970	1980
World total.....	3,970	4,971	6,430	7,462	7,872	8,076	8,316	8,634	8,548	100.0	100.0	100.0
United States	1,477	1,783	2,227	2,284	2,378	2,408	2,428	2,470	2,370	37.2	34.6	27.7
Western Europe	783	1,003	1,295	1,407	1,502	1,482	1,516	1,619	1,559	19.7	20.1	18.2
Japan.....	109	178	317	354	407	413	419	431	431	2.7	4.9	5.0
Centrally planned economies ¹	1,201	1,444	1,783	2,292	2,400	2,522	2,630	2,715	2,745	30.3	27.7	32.1
Rest of world.....	400	563	808	1,125	1,185	1,253	1,325	1,399	1,443	10.1	12.6	16.9
Energy source:												
Solid fuels	1,981	2,070	2,184	2,309	2,398	2,448	2,491	2,637	2,669	49.9	34.0	31.2
Liquid fuels	1,311	1,902	2,798	3,374	3,603	3,716	3,600	3,867	3,709	33.0	43.5	43.4
Natural gas	593	882	1,293	1,558	1,840	1,663	1,754	1,842	1,871	14.9	20.1	21.9
Electricity.....	85	116	155	223	231	248	274	288	300	2.1	2.4	3.5

¹ Includes China, Dem. People's Rep. of Korea, Mongolia, Vietnam, Albania, Bulgaria, Czechoslovakia, German Dem. Rep., Hungary, Poland, Romania, and Soviet Union.

Source: Statistical Office of the United Nations, New York, N.Y., *Yearbook of World Energy Statistics*. (Copyright.)

No. 983. WORLD PRIMARY ENERGY PRODUCTION, BY REGION AND TYPE: 1973 TO 1980

[In quadrillion Btu. Btu=British thermal units. For Btu conversion factors, see source]

REGION AND TYPE	1973	1974	1975	1979	1977	1978	1979	1980, prel.
World total	246.28	250.41	247.33	281.79	270.87	277.29	290.57	296.65
North America.....	73.74	72.70	71.31	71.50	72.53	74.58	78.32	80.84
United States	62.39	61.18	59.99	60.01	60.21	61.14	63.82	64.78
Central and South America.....	12.67	11.97	10.63	10.79	11.02	11.28	12.13	11.91
Western Europe.....	19.58	20.07	21.37	22.16	24.20	25.28	27.73	28.12
Eastern Europe ¹	51.48	54.17	56.54	59.55	62.26	64.67	66.91	68.38
Middle East	46.83	48.60	43.78	49.45	50.18	47.86	48.29	41.51
Africa.....	14.89	13.98	13.25	15.53	16.49	16.37	18.16	17.22
Far East and Oceania	27.12	28.93	30.45	32.83	34.19	37.24	39.03	38.69
Crude oil	117.99	118.24	111.85	121.45	125.97	126.69	131.95	125.55
Natural gas.....	43.31	44.19	44.05	46.04	47.92	49.71	52.03	52.36
Natural gas liquids.....	4.25	4.37	4.36	4.53	4.70	4.90	5.26	5.43
Coal.....	85.04	85.92	88.25	70.18	71.25	72.67	78.88	77.78
Hydroelectric power	13.52	14.83	15.02	15.08	15.60	16.97	17.77	18.14
Nuclear.....	2.17	2.86	3.79	4.52	5.42	6.35	6.68	7.39

¹ Includes U.S.S.R.

Source: U.S. Energy Information Administration, *International Energy Annual*.

No. 984. INTERNATIONAL FLOW OF CRUDE OIL, BY AREA: 1979

[In thousands of barrels per day]

EXPORTING AREA	IMPORTING AREA								
	Total ¹	North America			Western Europe		East-ern Europe	Middle East ² and Africa	Japan
		U.S.	Canada	Central America	Atlantic ocean, North Sea	Mediterranean Sea			
World total.....	31,825	6,519	605	3,176	8,548	4,722	1,884	737	4,712
North America.....	994	709	72	172	41	-	-	-	-
United States.....	235	(X)	72	³ 163	-	-	-	-	-
Central and South America.....	1,852	486	216	805	279	39	-	20	5
Western Europe.....	954	279	2	1	665	1	6	-	-
U.S.S.R.....	2,600	-	-	120	370	335	1,652	30	1
Middle East.....	17,656	2,096	290	1,402	4,059	3,285	137	637	3,576
Africa.....	5,888	2,495	25	639	1,523	1,045	89	50	10
Far East and Oceania.....	1,881	452	-	37	11	17	-	-	1,120

- Represents zero. X Not applicable. ¹ Includes other Far East and Oceania not shown separately. ² Shipments to Jordan, Lebanon, and Syria only. ³ Includes shipments to Puerto Rico and Virgin Islands.

Source: U.S. Energy Information Administration, *International Energy Annual*.

NO. 985. U.S. FOREIGN TRADE IN SELECTED MINERAL FUELS: 1960 TO 1981

(Btu = British thermal units. See text, p. 569. Minus sign (-) denotes an excess of imports over exports. See also *Historical Statistics, Colonial Times to 1970*, series M 100, 101, 127, 128, 140, 141, 178, and 181)

YEAR	NATURAL GAS						CRUDE OIL					
	Imports		Exports		Net trade		Imports ¹		Exports		Net trade	
	Bil. cu. ft.	Tril. Btu	Bil. cu. ft.	Tril. Btu	Bil. cu. ft.	Tril. Btu	Mill. bbl.	Tril. Btu	Mill. bbl.	Tril. Btu	Mill. bbl.	Tril. Btu
1960	155.6	161	11.3	12	-144.3	-149	372	2,196	3	16	369	2,179
1965	456.4	471	26.1	27	-430.3	-444	452	2,654	1	6	-451	-2,648
1970	820.8	846	69.8	72	-751.0	-774	483	2,814	5	29	478	2,785
1971	834.5	864	80.2	83	-854.3	-881	613	3,573	1	3	-612	-3,570
1972	1,019.5	1,047	76.0	80	-941.5	-967	811	4,712	(2)	1	811	4,710
1973	1,032.9	1,060	77.2	79	-955.7	-981	1,164	6,867	1	4	-1,163	-6,863
1974	959.3	985	76.8	78	-882.5	-907	1,269	7,386	1	6	-1,268	-7,380
1975	959.0	978	72.7	74	-886.3	-904	1,498	8,721	2	12	-1,496	-8,708
1976	963.8	988	84.7	88	-899.1	-922	1,935	11,239	3	17	-1,932	-11,221
1977	1,011.0	1,037	55.8	58	-955.4	-981	2,414	14,027	18	106	-2,396	-13,921
1978	965.5	995	52.5	53	-913.0	-941	2,320	13,460	58	335	-2,262	-13,125
1979	1,253.4	1,300	55.7	58	-1,197.7	-1,243	2,360	13,825	66	487	-2,294	-13,329
1980	984.8	1,006	48.7	49	-900.1	-957	1,826	11,195	106	609	-1,521	-10,586
1981	877.0	896	50.0	51	-827.0	-846	1,905	9,328	83	482	-1,522	-8,846
	COAL						PETROLEUM PRODUCTS					
	Imports		Exports ¹		Net trade		Imports		Exports		Net trade	
	1,000 sh. tons	Tril. Btu	1,000 sh. tons	Tril. Btu	1,000 sh. tons	Tril. Btu	Mill. bbl.	Tril. Btu	Mill. bbl.	Tril. Btu	Mill. bbl.	Tril. Btu
1960	262	7	37,981	1,023	37,719	1,017	293	1,802	71	413	-222	-1,389
1965	184	5	52,165	1,378	51,981	1,372	449	2,748	67	368	382	-2,366
1970	36	1	72,419	1,935	72,383	1,935	765	4,856	89	520	578	-4,136
1971	111	3	55,022	1,548	57,911	1,543	619	4,968	61	470	738	-4,498
1972	47	1	57,186	1,530	57,141	1,530	924	5,587	61	487	-543	-5,120
1973	127	3	54,030	1,456	53,903	1,453	1,099	6,578	84	482	1,015	6,096
1974	2,080	52	61,065	1,637	59,015	1,585	962	5,731	79	458	-863	-5,273
1975	940	24	66,795	1,789	65,825	1,766	712	4,227	74	427	638	3,800
1976	1,203	30	60,594	1,820	59,391	1,590	741	4,434	78	452	-662	3,982
1977	1,647	41	54,713	1,466	53,066	1,424	600	4,728	70	408	730	4,320
1978	2,953	74	40,967	1,097	38,014	1,024	733	4,364	74	432	-659	3,932
1979	2,089	51	66,391	1,781	64,322	1,729	707	4,108	66	505	621	3,603
1980	1,194	30	92,082	2,400	90,888	2,371	603	3,483	94	551	509	-2,912
1981	1,043	26	112,914	2,945	111,871	2,918	575	3,306	134	782	441	-2,524

Z Less than 500,000. ¹ Beginning 1977 includes strategic petroleum reserve imports. ² Includes shipments to U.S. Armed Forces.

Source: U.S. Energy Information Administration, *Annual Report to Congress*, vol. II.

NO. 986. CRUDE OIL IMPORTS INTO U.S., BY COUNTRY OF ORIGIN: 1970 TO 1981

COUNTRY	IMPORTS (mil. 42-gal. bbls.)											PERCENT DISTRIBUTION		
	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1970	1975	1981
Total	483	811	1,184	1,269	1,496	1,936	2,414	2,320	2,360	1,928	1,905	100.0	100.0	100.0
Canada	245	312	365	289	219	136	102	90	99	73	60	50.7	14.6	3.7
Mexico	-	-	(2)	1	26	32	66	115	180	186	171	-	1.7	10.7
Norway	-	-	-	(2)	5	13	18	38	28	53	42	-	.3	2.6
Trinidad-Tobago	(2)	9	22	23	42	36	49	52	45	42	97	(2)	2.8	2.3
United Kingdom	-	-	-	-	-	5	36	62	72	63	136	-	-	8.4
OPEC	222	475	767	928	1,171	1,663	2,058	1,882	1,866	1,414	1,667	46.0	78.2	86.6
Algeria	2	32	44	66	96	149	108	231	222	187	95	.4	6.4	5.8
Ecuador	-	5	17	15	21	19	20	14	11	6	14	-	1.4	.9
Gabon	-	-	-	-	9	10	13	14	15	9	13	-	.6	.8
Indonesia	26	60	73	103	138	166	165	165	139	115	116	5.4	6.2	7.2
Iran	12	50	78	189	102	109	193	202	108	3	-	2.5	6.8	-
Iraq	-	1	2	-	(2)	10	27	23	32	10	-	-	(2)	-
Kuwait	12	13	15	2	1	(2)	15	2	2	10	-	2.5	1	-
Libya	17	40	49	1	61	162	257	233	234	200	116	3.5	5.4	7.2
Nigeria	17	69	164	264	272	371	412	332	360	308	223	3.5	18.2	13.9
Oman	-	1	3	6	7	9	24	23	11	8	3	-	.5	.2
Saudi Arabia	15	11	169	160	256	447	501	417	492	458	406	3.1	17.1	25.3
United Arab Emirates	23	27	26	25	43	93	122	141	103	63	28	4.8	2.9	1.7
Venezuela	98	93	126	116	144	88	51	66	107	57	54	20.3	9.6	3.3
Other	16	15	30	30	35	48	66	71	110	95	93	3.3	2.3	5.8

- Represents zero. Z Less than 500,000 or less than .05 percent.

Source: 1970-1978, U.S. Bureau of Mines, *Minerals Yearbook and Mineral Industry Surveys*; thereafter, U.S. Energy Information Administration, *Energy Data Report, Petroleum Statement*, annual.

No. 987. CRUDE OIL AND REFINED PRODUCTS SUMMARY: 1973 TO 1982

(Barrels of 42 gallons)

YEAR AND MONTH	CRUDE OIL (1,000 bbl. per day)					REFINED OIL PRODUCTS (1,000 bbl. per day)			Total oil imports ¹ (1,000 bbl. per day)	CRUDE OIL STOCKS ² (mil. bbl.)	
	Input to refiner- ies	Do- mestic production	Imports		Ex- ports	Do- mestic de- mand	Im- ports	Ex- ports		Total	Strat- egic re- serve
			Total ³	Strat- egic re- serve							
1973, avg.	12,431	9,208	3,244	(x)	2	17,308	3,012	229	8,268	242	(x)
1974, avg.	12,133	8,774	3,477	(x)	3	16,653	2,636	218	8,112	265	(x)
1975, avg.	12,442	8,375	4,105	(x)	8	16,322	1,951	204	8,066	271	(x)
1976, avg.	13,416	8,132	5,287	(x)	8	17,451	2,028	215	7,313	285	(x)
1977, avg.	14,802	8,245	6,584	80	50	18,431	2,183	193	8,807	348	7
1978, avg.	14,739	8,707	6,195	161	158	18,847	2,008	204	8,383	376	67
1979, avg.	14,648	8,552	6,452	67	235	18,513	1,937	236	8,456	430	91
1980, avg.	13,481	8,587	5,219	44	287	17,056	1,848	258	8,909	468	108
1st qtr	14,083	8,693	6,039		328	18,338	1,961	233	8,000	459	91
2d qtr	13,503	8,825	5,392	-	295	16,401	1,465	265	8,857	473	91
3d qtr	13,188	8,526	4,768	18	211	16,114	1,444	256	8,229	489	93
4th qtr	13,180	8,545	4,888	157	314	17,378	1,717	276	8,582	488	108
1981, avg.	12,477	8,562	4,150	258	228	18,001	1,578	367	5,981	599	230
1st qtr	12,843	8,577	4,669	109	251	17,021	1,782	320	6,531	518	121
2d qtr	12,272	8,551	3,943	326	212	15,487	1,362	317	5,831	555	183
3d qtr	12,583	8,531	4,114	287	219	15,522	1,552	360	5,263	581	199
4th qtr	12,236	8,568	3,893	297	230	15,988	1,528	488	5,817	599	230
1982, avg.	11,394	8,851	3,158	172	287	15,792	1,641	552	4,798	614	249
1st qtr	11,394	8,851	3,158	172	287	15,792	1,641	552	4,798	614	249

- Represents zero. X Not applicable. ¹Excludes Strategic Petroleum Reserve. ²Crude oil (including Strategic Petroleum Imports) plus refined products. ³End of year or quarter

Source: U.S. Energy Information Administration, 1973-1978, *Monthly Energy Review*; thereafter, *Quarterly Report—Report to Congress*, Fourth Quarter 1980, Fourth Quarter 1981, and First Quarter 1982.

No. 988. ENERGY PRODUCING COMPANIES—SELECTED FINANCIAL AND INVESTMENT INDICATORS, 1975 TO 1980, AND BY LINE-OF-BUSINESS, 1980

[Based on data from 26 major publicly-owned domestic crude oil producing companies which either had at least one percent of domestic production or reserves of oil, natural gas, coal, or uranium, or at least one percent of refining capacity or petroleum product sales]

ITEM	1975	1976	1977	1978	1979	1980, pret.					
						Total ¹	Line-of-business				
							Petro- leum	Coal	Nuclear	Other energ- y	Non- energ- y
INCOME STATEMENT (bil. dol.)											
Operating revenues	215.5	243.7	266.6	294.8	392.6	518.6	488.3	3.9	.8	1.2	66.2
Operating expenses	191.2	219.8	239.3	265.0	345.8	455.9	417.8	3.8	.9	1.1	63.5
Operating income	24.3	24.0	27.3	29.8	46.8	62.7	63.2	.3	- 1	(2)	2.4
Pretax income	26.5	28.0	28.2	30.2	48.8	66.9	66.5	3	3	(2)	2.9
Funds from operations	20.7	22.7	25.9	29.0	41.3	53.3	47.2	7	1	.3	5.3
BALANCE SHEET (bil. dol.)											
Net property, plant, and equipment	97.3	111.1	125.9	138.1	159.3	631.7	588.1	2.9	.8	.8	52.0
Net investment in place ²	106.0	120.2	135.1	148.1	189.9	202.6	151.5	5.0	1.3	2.8	38.7
Total assets	173.7	196.9	217.1	237.1	282.8	333.0	(NA)	(NA)	(NA)	(NA)	(NA)
RATIOS (percent)											
Net income to operating revenues	4.8	4.9	4.8	4.7	6.0	6.0	6.2	7.1	-8.5	3.8	3.4
Net income to total assets	5.9	6.1	5.8	5.9	8.3	9.3	(NA)	(NA)	(NA)	(NA)	(NA)
Net income to stockholders' equity	12.3	13.1	12.6	12.6	18.8	21.1	(NA)	(NA)	(NA)	(NA)	(NA)
Long-term debt to stockholders' equity ³	35.6	38.7	38.9	35.6	33.7	31.5	(NA)	(NA)	(NA)	(NA)	(NA)
Long-term debt to total assets ³	17.1	18.0	18.0	16.3	14.9	13.9	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. Z Less than \$50 million. ¹Includes items which cannot be allocated and adjusted for duplication, not shown separately. ²Composed of net property, plant and equipment plus investment and advances to unconsolidated subsidiaries. ³Long-term debt includes amounts applicable to capitalized leases.

Source: U.S. Energy Information Administration, *Performance Profiles of Major Energy Producers*, annual, and unpublished data.

NO. 989. PETROLEUM AND COAL PRODUCTS—SALES, NET PROFIT, AND PROFIT PER DOLLAR OF SALES: 1970 TO 1981

(Profit rates are averages of quarterly figures at annual rates)

ITEM	Unit	1970	1973	1974 ¹	1974 ¹	1975 ²	1976 ²	1977 ²	1978 ²	1979 ²	1980 ²	1981 ²
Sales	Bil. dol.	84.1	87.8	180.4	113.5	121.8	141.3	162.3	180.3	242.7	332.2	378.1
Net profit:												
Before taxes ³	Bil. dol.	7.0	9.5	15.8	17.7	13.3	16.9	17.8	19.2	32.2	39.1	35.3
After taxes	Bil. dol.	5.9	7.4	12.3	14.5	9.3	11.7	12.2	12.8	21.9	25.5	23.7
Depreciation ⁴	Bil. dol.	4.5	5.7	(NA)	5.1	5.8	5.9	6.8	7.7	9.5	11.8	13.7
Profits per dollar of sales:												
Before taxes ³	Cents	11.0	9.8	8.8	15.6	10.9	12.0	11.0	10.6	13.3	11.7	9.4
After taxes	Cents	9.2	7.8	6.8	12.8	7.8	8.3	7.5	7.1	9.0	7.7	6.3
Profits on stockholders' equity:												
Before taxes ³	Percent	13.0	14.8	(NA)	25.0	17.9	20.3	19.9	19.5	30.0	30.7	25.8
After taxes	Percent	11.0	11.8	(NA)	21.1	12.5	14.1	13.5	13.3	20.4	20.0	17.2

NA Not available. ¹Estimates based on FTC reporting requirements in use prior to 1974. ²Beginning 1974, based on new FTC reporting requirements. ³Federal income taxes. ⁴Includes depletion and accelerated amortization of emergency facilities.

Source: U.S. Federal Trade Commission, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*.

NO. 990. MAJOR PETROLEUM COMPANIES—FINANCIAL DATA SUMMARY: 1970 TO 1981

(Data represent a composite of approximately 41 major worldwide petroleum companies aggregated on a consolidated, total company basis)

ITEM	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
FINANCIAL DATA (bil. dol.)											
Net income	8.9	8.6	11.8	15.9	11.6	14.9	15.1	16.0	32.8	32.0	30.0
Depreciation, depletion, etc.	7.4	9.1	10.5	13.0	11.3	14.8	18.3	19.8	24.9	32.5	39.1
Cash flow ¹	14.2	15.9	22.3	28.9	22.6	29.1	33.4	35.8	57.7	65.4	69.1
Dividends paid	3.8	3.8	4.0	4.5	4.7	5.4	6.3	6.8	8.0	9.3	10.0
Net internal funds available for investment or debt repayment ²	10.5	12.1	18.3	24.5	18.1	23.7	27.1	29.0	49.7	56.1	59.1
Capital and exploratory expenditures	13.3	14.3	16.3	25.8	26.9	30.7	31.8	37.1	51.1	62.1	80.3
Long-term capitalization	84.5	93.7	102.9	112.9	121.1	142.9	150.1	166.0	196.9	211.4	246.4
Long-term debt	18.5	21.8	22.5	25.0	28.9	39.1	38.4	45.1	48.1	49.8	63.3
Preferred stock	1.3	.4	.4	.4	.4	.3	.9	.9	.9	2.0	2.6
Common stock and retained earnings ³	64.6	71.5	80.0	87.4	91.9	103.5	110.8	122.0	147.9	159.6	180.5
Excess of expenditures over cash income ⁴	2.8	2.2	-2.0	1.3	6.9	6.9	4.7	6.1	1.4	6.0	21.2
RATIOS ⁵ (percent)											
Long-term debt to long-term capitalization	21.9	23.3	22.0	22.2	23.8	27.4	25.6	28.8	24.4	23.6	25.7
Net income to total average capital	8.3	7.4	12.0	14.8	10.0	10.7	10.1	9.9	17.8	17.0	10.4
Net income to avg. common equity	10.7	9.7	15.6	19.0	13.1	14.3	13.9	13.5	24.0	22.5	17.7

¹Generally represents internally-generated funds from operations. Sum of net income and noncash charges such as depreciation, depletion, and amortization. ²Cash flow minus dividends paid. ³Includes common stock, capital surplus, and earned surplus accounts after adjustments. ⁴Capital and exploratory expenditures plus dividends paid minus cash flow.

⁵Represent approximate year-to-year comparisons because of changes in the makeup of the group due to mergers and other corporate changes.

Source: Carl H. Pforzheimer & Co., New York, N.Y., *Comparative Oil Company Statements, 1980-1981* and earlier reports.

NO. 991. ELECTRIC UTILITY PRODUCTION, 1980 TO 1981, PROJECTIONS, 1982 TO 1990

(Excludes industrial facilities and railways having own generating facilities. For explanation of average annual percent change, see Guide to Tabular Presentation)

ITEM	1980	1980	1979	1979	1979	1980	1981, proj.	1982	1988	1990
Energy use (bil. kWh)	753	1,065	1,532	1,918	2,247	2,296	2,296	2,438	2,699	3,180
Annual percent change ¹	6.7	7.0	7.7	1.5	1.9	3.6	.4	6.1	3.5	3.1
Per capita ² kWh (1,000)	4.2	5.5	7.5	9.0	10.0	10.1	10.0	(NA)	(NA)	(NA)
Peak load net capability, July (mil. kW)	138	169	278	345	403	430	442	454	498	578
Annual percent change ¹	7.1	6.5	7.9	1.8	1.0	6.7	2.8	2.7	3.1	3.0

NA Not available. ¹Average annual change from prior year shown; for 1980, change from 1955. ²For resident population of the 50 States and D.C. estimated for July 1, based on U.S. Bureau of the Census population data.

Source: 1980-1975, U.S. Federal Power Commission, unpublished data; 1976-1980, U.S. Energy Information Administration, and *Electric Energy and Peak Load annual*; thereafter, *Electric Power Annual*.

NO. 992. ELECTRIC ENERGY PRODUCTION AND INSTALLED GENERATING CAPACITY, BY TYPE OF PRIME MOVER AND CONSUMPTION OF FUELS: 1960 TO 1981

(Production for calendar years; other data as of December 31, 1980 excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series S 32-52, S 78-82, and S 86-107)

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
PRODUCTION											
Total ¹	Bill. kWh	842	1,158	1,840	2,003	2,125	2,212	2,285	2,319	2,288	2,286
Average annual change ²	Percent	6.0	6.6	7.2	4.1	6.1	4.1	3.3	1.5	(NA)	.4
Production, kWh per kW of capacity	Number	4,529	4,548	4,545	3,798	3,863	3,818	3,818	3,786	3,824	3,519
Industrial plants ³	Bill. kWh	86	102	108	85	87	88	79	71	(NA)	(NA)
Electric utilities ⁴	Bill. kWh	753	1,055	1,532	1,918	2,038	2,124	2,206	2,247	2,286	2,295
Privately owned	Bill. kWh	579	809	1,183	1,487	1,582	1,664	1,721	1,756	1,783	1,786
Percent of total utilities	Percent	76.8	76.7	77.2	77.5	77.6	79.3	78.0	78.1	78.0	77.0
Publicly owned	Bill. kWh	175	246	349	431	456	440	485	491	503	509
Municipal	Bill. kWh	37	50	71	82	78	83	90	87	87	81
Federal	Bill. kWh	112	145	186	221	236	214	235	236	235	232
Cooperatives and other	Bill. kWh	25	51	91	128	141	143	160	188	182	198
Source of energy:											
Coal ⁵	Percent	53.5	54.1	48.2	44.7	46.5	46.6	44.4	48.1	51.1	52.7
Nuclear	Percent	1	.4	1.4	9.0	8.4	11.8	12.5	11.4	11.0	11.9
Oil	Percent	6.1	6.1	11.9	15.1	15.7	16.8	16.5	13.5	10.7	9.0
Gas	Percent	21.0	21.0	24.3	15.6	14.5	14.4	13.8	14.7	15.1	15.1
Hydro	Percent	19.3	18.4	18.2	15.6	13.9	10.4	12.7	12.4	12.1	11.4
INSTALLED CAPACITY											
Total	Mill. kW	188	255	381	527	580	579	581	416	631	662
Average annual change ²	Percent	7.3	6.5	7.2	7.9	4.6	5.3	3.3	2.9	2.4	3.3
Industrial plants ³	Mill. kW	18	18	19	19	19	19	19	17	17	17
Electric utilities ⁴	Mill. kW	168	236	342	506	531	560	579	598	614	635
Privately owned	Mill. kW	128	178	263	398	415	438	454	484	477	491
Percent of total utilities	Percent	76.5	75.2	76.9	78.5	78.2	78.2	78.3	77.6	77.7	77.3
Publicly owned	Mill. kW	40	58	79	108	116	122	125	134	137	144
Municipal	Mill. kW	11	15	21	29	31	33	34	34	35	35
Federal	Mill. kW	22	32	38	50	52	53	54	55	59	61
Cooperatives and other	Mill. kW	6	11	19	30	33	36	37	42	43	48
ELECTRIC UTILITIES ⁴											
TYPE OF PRIME MOVER											
Prime movers, total ⁶	Number	3,435	3,280	3,533	3,567	3,576	3,567	3,586	3,573	3,575	3,567
Hydro	Number	1,331	1,231	1,188	1,148	1,140	1,145	1,146	1,145	1,142	1,147
Steam conventional	Number	1,055	1,059	998	937	927	926	922	925	934	937
Gas turbine	Number			323	497	510	520	529	537	541	540
Steam nuclear	Number	5	9	18	42	45	49	50	51	51	53
Internal combustion	Number	1,044	991	1,008	985	954	947	939	915	907	890
Production	Bill. kWh	753	1,055	1,532	1,918	2,038	2,124	2,206	2,247	2,286	2,295
Hydro	Bill. kWh	146	194	248	300	284	220	280	280	276	281
Steam conventional	Bill. kWh	602	852	1,241	1,417	1,534	1,618	1,613	1,680	1,731	1,736
Gas turbine	Bill. kWh			16	22	24	29	31	28	24	22
Steam nuclear	Bill. kWh	1	4	22	173	191	251	276	255	251	273
Internal combustion	Bill. kWh	4	5	6	5	5	5	5	4	4	3
Capacity	Mill. kW	188	236	342	506	531	560	579	598	614	635
Hydro	Mill. kW	32	44	55	86	88	89	71	75	78	77
Steam conventional	Mill. kW	133	188	280	363	388	388	400	412	425	440
Gas turbine	Mill. kW			15	44	47	48	48	51	51	51
Steam nuclear	Mill. kW	(2)	1	6	40	43	60	54	55	56	61
Internal combustion	Mill. kW	3	3	4	5	5	5	6	5	6	6
ELECTRIC UTILITIES ⁴											
CONSUMPTION OF FUELS											
Net generation by fuel ¹	Bill. kWh	807	861	1,284	1,618	1,754	1,804	1,926	1,988	2,010	2,034
Average annual change ²	Percent	5.9	7.2	7.6	4.7	6.5	3.5	1.2	2.2	2.1	1.2
Coal ⁵	Bill. kWh	403	571	705	853	945	985	977	1,076	1,162	1,204
Percent of total	Percent	68.4	66.3	54.3	52.7	53.8	51.7	50.7	54.7	57.8	59.2
Fuel oil	Bill. kWh	46	65	182	289	320	358	364	303	246	206
Gas	Bill. kWh	158	221	373	300	295	308	305	329	345	348
Nuclear	Bill. kWh	1	4	22	173	191	251	276	255	251	273
Fuel consumed:											
Total coal equivalent	Mill. sh. tons	285	389	583	770	833	922	965	965	1,009	
Coal, including lignite	Mill. sh. tons	177	245	321	408	448	477	482	527	569	587
Oil	Mill. bbl.	86	115	336	506	556	624	636	523	420	361
Gas	Bill. cu ft	1,724	2,321	3,932	3,158	3,081	3,181	3,188	3,491	3,682	3,640

NA Not available. 2 Less than .5 million. ³Beginning 1960, excludes industrial plants. ⁴Change from prior year shown; for 1960, change from 1955. For explanation of average annual percent change, see Guide to Tabular Presentation.

⁵Plants of 100 kilowatts and over, including stationary powerplants of railroads. ⁶For public use. ⁷Includes small percentage from wood and waste, geothermal, and petroleum coke. ⁸Each prime mover type in combination plants counted separately. ⁹Includes limited output of wood, waste, and geothermal power. ¹⁰Includes petroleum coke.

Source: 1960-1970, U.S. Federal Power Commission, *Electric Power Statistics*, and press releases; thereafter, U.S. Energy Information Administration, 1975-1980, *Power Production, Fuel Consumption, and Installed Capacity Data—Annual*, and unpublished data; thereafter, *Electric Power Annual*, and unpublished data.

No. 993. ELECTRIC UTILITY INDUSTRY—CAPABILITY, PEAK LOAD, AND CAPABILITY MARGIN: 1970 TO 1981

[Excludes Alaska and Hawaii. Minus sign (–) denotes decrease]

YEAR	CAPABILITY			PEAK LOAD		CAPABILITY MARGIN	
	Total (mil. kW)	Annual increase (mil. kW)	Percent annual increase ¹	Total (mil. kW)	Annual percent change ¹	Total (mil. kW)	Percent of capability
1970: Summer	326.9	26.6	8.9	274.7	6.6	52.3	16.0
December	339.1	27.6	8.9	248.6	5.1	90.5	26.7
1974: Summer	444.4	28.9	7.0	349.3	1.6	95.2	21.4
Winter	467.4	34.2	7.9	302.5	2.5	164.9	35.3
1975: Summer	479.3	34.9	7.9	356.8	2.2	122.5	25.6
Winter	492.5	25.1	5.4	331.1	9.5	161.4	32.8
1976: Summer	496.8	19.5	4.1	370.9	4.0	127.9	25.6
Winter	511.0	18.5	3.8	349.9	5.7	161.1	31.5
1977: Summer	516.0	17.3	3.5	396.4	6.9	119.7	23.2
Winter	537.6	26.6	5.2	360.2	2.9	177.4	33.0
1978: Summer	545.7	29.7	5.8	406.1	3.0	137.7	25.2
Winter	561.6	24.0	4.5	383.1	6.4	176.5	31.8
1979: Summer	558.3	12.6	2.2	411.6	.9	146.7	26.3
Winter	569.2	7.6	1.4	360.7	–.6	188.5	33.1
1980: Summer	558.5	.2	(z)	427.1	3.8	131.5	23.5
Winter	572.2	3.0	.5	364.6	1.0	187.6	32.8
1981: Summer	572.1	13.8	2.4	430.5	.8	141.5	24.7
Winter	581.1	8.9	1.6	391.2	1.7	189.9	32.7

z Less than .05 percent. ¹ Percent change from previous year; e.g., 1970 from 1969 and 1974 from 1973.
Source: Edison Electric Institute, Washington, D.C., 1979 Statistical Year Book of the Electric Utility Industry and 1981 Annual Electric Power Survey.

No. 994. ELECTRIC ENERGY—PRODUCTION AND INSTALLED GENERATING CAPACITY, BY STATES: 1975 AND 1981

[Capacity as of Dec. 31. Covers utilities for public use]

DIVISION AND STATE	PRODUCTION (bil. kWh)			INSTALLED CAPACITY (mil. kW)		DIVISION AND STATE	PRODUCTION (bil. kWh)			INSTALLED CAPACITY (mil. kW)	
	1975	1981		1975	1981		1975	1981		1975	1981
		Total	Percent privately owned ¹					Total	Percent privately owned ¹		
U.S.....	1,917.6	2,294.8	77.8	508.3	635.0	SA.—Con.					
NE.....	68.9	76.9	99.3	20.4	21.0	Va.....	35.3	37.5	99.3	9.7	11.6
Maine.....	7.9	9.3	99.9	1.7	2.4	W. Va.....	61.4	73.5	100.0	11.9	15.2
N.H.....	4.7	5.6	100.0	1.6	1.6	N.C.....	53.3	72.0	99.1	15.0	17.6
Vt.....	4.5	4.6	97.4	.9	.9	S.C.....	38.6	41.3	76.8	10.7	12.3
Mass.....	30.5	32.9	98.9	9.4	9.7	Ga.....	41.7	61.9	98.5	13.0	16.3
R.I.....	.8	.8	100.0	.3	.3	Fla.....	77.8	99.0	85.7	21.7	30.0
Conn.....	21.4	23.6	99.9	6.4	6.1	E.S.C.....	171.8	208.6	36.0	46.1	57.8
MA.....	236.8	254.2	87.5	97.5	79.2	Ky.....	51.1	60.1	41.9	12.1	15.5
N.Y.....	107.3	105.6	70.3	26.4	31.1	Tenn.....	54.6	59.0	.8	14.3	17.1
N.J.....	23.2	31.7	99.3	11.4	13.7	Ala.....	54.7	74.8	49.5	15.2	19.1
Pa.....	106.2	116.6	99.9	27.7	34.4	Miss.....	11.4	14.8	64.0	4.6	6.1
E.N.C.....	356.4	361.0	96.1	91.5	107.9	W.S.C.....	234.0	320.8	67.8	66.8	80.0
Ohio.....	102.6	111.8	99.1	24.8	27.4	Ark.....	13.7	25.3	93.7	4.9	8.0
Ind.....	59.4	67.6	96.5	13.4	16.9	La.....	39.2	44.1	66.9	11.6	14.0
Ill.....	92.8	96.9	96.9	25.6	29.9	Okla.....	33.3	44.1	88.3	7.9	12.1
Mich.....	66.2	75.6	94.3	18.9	22.6	Tex.....	147.8	207.3	87.2	41.4	54.9
Wis.....	33.5	37.1	86.6	8.9	11.0	Mt.....	111.5	169.0	63.7	27.6	36.3
W.N.C.....	132.4	167.5	87.9	36.9	51.8	Mont.....	11.9	16.6	63.6	2.4	3.2
Minn.....	25.3	31.5	96.4	6.8	8.8	Idaho.....	10.3	9.5	67.2	1.7	2.0
Iowa.....	15.9	22.6	95.1	5.4	8.2	Wyo.....	11.9	26.4	78.6	2.8	5.3
Mo.....	40.4	48.8	74.9	11.1	15.0	Colo.....	16.6	25.4	51.1	4.3	6.2
N. Dak.....	8.3	16.1	10.7	1.7	3.9	N. Mex.....	19.7	23.0	97.7	4.1	5.0
S. Dak.....	10.1	8.0	33.7	2.1	2.2	Ariz.....	21.7	40.6	22.5	7.5	10.9
Nebr.....	13.3	16.1	-	3.8	5.2	Utah.....	5.8	11.8	95.7	1.2	2.6
Kans.....	19.1	24.5	85.6	6.0	8.6	Nev.....	13.7	15.7	89.3	3.5	4.1
SA.....	342.3	424.0	93.8	92.5	115.8	Pac.....	260.6	262.8	47.8	80.0	73.0
Del.....	6.0	8.3	92.6	1.5	1.6	Wash.....	93.0	102.6	11.0	16.8	23.3
Md.....	26.9	30.1	99.8	7.6	9.8	Oreg.....	34.5	40.4	36.8	7.6	6.7
D.C.....	1.2	.4	100.0	1.3	1.1	Calif.....	125.4	130.0	78.4	33.7	38.2
						Alaska.....	2.2	3.2	2.9	.7	1.2
						Hawaii.....	5.5	6.6	100.0	1.2	1.6

– Represents zero. ¹ Percent privately owned electric utilities of total production or capacity.
Source: U.S. Energy Information Administration, 1975, Power Production, Fuel Consumption, and Installed Capacity Data—Annual; 1981, Electric Power Annual.

NO. 995. ELECTRIC ENERGY SALES, BY CLASS OF SERVICE, AND BY STATES: 1981

[In billions of kilowatthours]

DIVISION AND STATE	Total ¹	Residential	Commercial	Industrial	DIVISION AND STATE	Total ¹	Residential	Commercial	Industrial
Total.....	2,116.0	716.0	602.5	626.3	S.A.—Con.				
N.E.	77.9	26.6	24.3	23.1	Va.....	49.4	20.1	11.9	11.8
Maine.....	6.4	3.0	1.6	3.7	W. Va.....	21.1	6.8	3.7	10.5
N.H.....	6.0	2.5	1.1	2.4	N.C.....	64.8	24.3	13.5	25.8
Vt.....	4.1	1.9	.8	1.2	S.C.....	37.9	12.5	8.0	16.5
Mass.....	33.1	11.4	12.2	8.5	Ga.....	51.9	19.8	11.7	19.8
R.I.....	5.0	1.8	1.7	1.4	Fla.....	93.1	46.0	25.4	18.6
Conn.....	21.2	6.1	8.9	5.9	E.S.C.	194.3	69.1	31.9	92.2
M.A.	255.7	76.9	70.8	65.8	Ky.....	46.6	13.3	6.7	26.6
N.Y.....	105.9	30.5	33.3	32.2	Tenn.....	71.8	25.6	13.4	31.8
N.J.....	49.4	15.9	16.7	16.3	Ala.....	50.2	17.0	7.1	25.6
Pa.....	100.4	31.6	20.8	46.5	Miss.....	23.8	10.2	4.6	8.2
E.N.C.	373.8	114.8	79.3	106.3	W.S.C.	285.6	94.7	63.0	126.9
Ohio.....	112.1	32.6	19.8	55.9	Ark.....	27.1	10.1	4.8	11.4
Ind.....	60.3	18.6	9.9	31.2	La.....	54.9	17.0	9.5	24.3
Ill.....	94.9	28.4	25.3	35.0	Okla.....	30.7	11.5	7.2	10.1
Mich.....	69.6	21.8	15.2	30.9	Tex.....	183.0	56.1	41.5	81.1
Wis.....	37.0	13.5	9.1	13.4	Mt.	115.7	35.7	28.6	44.9
W.N.C.	143.8	54.5	33.4	52.0	Mont.....	10.9	2.9	2.0	5.8
Minn.....	33.5	11.6	5.0	16.0	Idaho.....	14.3	4.9	4.2	5.1
Iowa.....	24.4	9.4	4.8	9.6	Wyo.....	7.7	1.5	1.1	5.0
Mo.....	41.1	16.9	12.0	11.4	Colo.....	21.1	6.7	7.1	6.7
N. Dak.....	5.3	2.5	.9	1.6	N. Mex.....	8.9	2.5	2.9	2.9
S. Dak.....	5.0	2.5	.9	1.4	Ariz.....	29.8	10.2	8.3	9.0
Nebr.....	13.3	5.2	3.5	4.1	Utah.....	11.5	3.3	2.6	4.8
Kans.....	21.2	6.5	6.2	8.0	Nev.....	11.4	3.8	1.6	5.5
S.A.	386.3	144.7	87.0	122.2	Pac.	293.0	93.8	82.9	103.6
Del.....	5.8	1.8	1.5	2.4	Wash.....	71.8	24.3	11.3	32.9
Md. ²	42.1	13.3	11.2	16.8	Oreg.....	37.9	13.2	10.3	14.0
					Calif.....	174.4	52.7	59.4	52.8
					Alaska.....	2.6	1.1	.5	.9
					Hawaii.....	6.3	1.8	1.4	3.1

¹ Includes other service, not shown separately. ² Includes District of Columbia.Source: U.S. Energy Information Administration, *Electric Power Annual*.

NO. 995. FEDERAL ELECTRIC UTILITY PROJECTS—INSTALLED CAPACITY AND INVESTMENT ALLOCATED TO ELECTRIC PLANT: 1960 TO 1979

[As of June 30. Comprises only electricity-generating plant of these projects; excludes projects not primarily manufacturing electricity (e.g., West Point, Annapolis). Investments represent allocation to power projects for capital equipment and improvements. Reserves for depreciation not deducted]

PROJECT GROUP OR SYSTEM	INSTALLED CAPACITY (1,000 kW)					INVESTMENT ALLOCATED ¹ (mil. dol.)				
	1960	1970	1975	1979	1979	1960	1979	1975	1979	1979
Total.....	22,616	36,650	47,884	54,530	52,051	5,388	10,121	15,043	21,466	21,466
Percent capacity of all electric utilities.....	13.5	10.7	9.7	9.5	9.0	(x)	(x)	(x)	(x)	(x)
Central Valley:										
Bureau of Reclamation.....	630	1,322	1,331	1,141	(NA)	136	213	332	239	(NA)
Columbia Basin:										
Bonneville Power Admin. ²	-	-	-	-	-	480	1,118	1,626	1,969	2,081
Bureau of Reclamation.....	2,282	2,484	2,733	5,187	5,167	277	359	621	859	1,065
Corps of Engineers.....	3,781	6,522	8,177	10,774	11,448	860	1,603	2,315	3,363	3,531
Hoover and Parker-Davis:										
Bureau of Reclamation.....	1,595	1,690	1,690	1,705	(NA)	209	225	230	236	(NA)
Missouri Basin:										
Bureau of Reclamation.....	397	693	691	706	(NA)	304	508	552	609	(NA)
Corps of Engineers.....	745	2,048	2,048	2,055	2,095	357	714	721	733	733
Southeastern Power Admin.:										
Corps of Engineers.....	1,271	1,910	2,063	2,651	2,063	410	644	746	956	810
Southwestern Power Admin.:										
Southwestern Power Admin. ²	-	-	-	-	-	27	58	61	83	67
Corps of Engineers.....	801	1,533	1,647	1,926	1,891	203	436	611	615	590
Tennessee Valley Authority.....	11,032	17,256	25,450	27,032	26,593	2,054	3,703	6,671	10,926	12,254
Other projects.....	282	1,212	1,344	1,371	774	68	540	557	866	349

- Represents zero. NA Not available. X Not applicable. ¹ Includes estimates. ² Transmission.Source: 1960-1975, U.S. Federal Power Commission; thereafter, U.S. Energy Information Administration, *Statistics of Publicly Owned Electric Utilities in the United States*, annual, and annual summaries.

NO. 997. PRIVATELY AND PUBLICLY OWNED ELECTRIC UTILITY GENERATING PLANTS—NUMBER AND CAPACITY, BY TYPE AND SIZE OF PRIME MOVER 1970 TO 1981

[Capacity as of Dec. 31. Each prime mover type in combination plants is counted separately]

TYPE AND SIZE OF PRIME MOVER	NUMBER OF PRIME MOVERS						CAPACITY (mil. kilowatts)					
	1970	1971	1972	1973	1974	1975	1970	1971	1972	1973	1974	1975
PRIVATELY OWNED												
Total	2,037	2,074	2,064	2,087	2,094	2,087	252.8	266.8	453.5	484.0	477.0	488.8
Steam, conventional	672	622	610	620	626	628	222.4	203.8	342.4	350.9	361.4	371.3
Under 100,000 kW	220	183	136	135	134	132	8.2	6.2	5.6	5.6	5.6	5.7
100,000-500,000 kW	299	252	236	237	239	236	77.1	65.6	63.1	63.3	64.0	63.1
Over 500,000 kW	153	217	244	248	253	260	137.1	232.0	273.7	281.9	291.8	302.4
Steam, nuclear	15	35	42	43	43	44	5.7	33.5	45.0	46.1	46.0	51.0
Over 500,000 kW	7	29	37	37	37	38	4.5	32.9	44.1	44.8	44.8	49.8
Hydro	754	727	731	733	732	734	15.6	23.1	23.6	23.9	24.2	24.3
Over 25,000 kW	165	169	172	173	173	173	15.6	19.9	20.7	20.7	21.0	21.1
Gas turbine	265	368	404	406	411	411	14.4	37.0	40.5	41.4	41.6	42.3
Over 25,000 kW	128	281	278	279	281	283	12.1	34.9	38.4	39.3	39.4	40.1
Internal combustion	331	302	289	285	282	280	1.3	1.5	1.8	1.8	1.8	1.9
Under 5,000 kW	238	199	178	172	166	163	5	4	4	4	4	3
Over 5,000 kW	93	103	111	113	116	117	9	11	14	14	15	1.5
PUBLICLY OWNED												
Total	1,496	1,517	1,502	1,486	1,481	1,470	78.8	108.9	126.6	134.3	136.8	144.8
Steam, conventional	326	316	304	305	306	309	37.7	48.6	57.7	61.5	63.1	68.6
Under 100,000 kW	254	226	201	195	195	191	5.9	5.9	6.4	6.2	6.2	6.1
100,000-500,000 kW	58	66	73	75	75	77	12.3	14.8	16.8	17.6	17.4	18.5
Over 500,000 kW	14	24	30	35	36	41	18.5	27.6	34.6	37.6	39.6	44.1
Steam, nuclear	1	10	8	6	6	9	.8	6.2	8.5	8.5	8.5	9.8
Over 500,000 kW	1	4	7	7	7	8	.8	6.2	8.5	8.5	8.5	9.7
Hydro	434	419	416	412	410	413	36.3	42.6	47.2	51.4	52.1	52.8
Over 25,000 kW	184	180	185	186	185	186	35.1	41.7	46.0	50.3	51.0	51.7
Gas turbine	58	109	125	131	130	129	1.1	7.1	8.5	9.1	9.1	9.1
Over 25,000 kW	12	48	60	65	65	65	4	6.1	7.4	8.1	8.0	8.1
Internal combustion	677	663	650	630	625	610	3.0	3.6	3.6	3.7	3.7	3.7
Under 5,000 kW	471	404	387	361	356	348	1.0	.8	.8	.7	.7	.7
Over 5,000 kW	206	259	263	269	267	262	2.0	2.8	3.0	3.0	3.0	3.0

Source: U.S. Energy Information Administration, unpublished data.

NO. 998. ELECTRIC LIGHT AND POWER INDUSTRY—ENERGY GENERATED, SALES, REVENUE, AND CUSTOMERS, 1960 TO 1981

[Sales and revenue are to and from ultimate customers]

CLASS	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Energy generated ¹	Bil. kWh	753	1,065	1,532	1,987	1,918	2,036	2,124	2,206	2,247	2,286	2,295
Sales ¹	Bil. kWh	863	965	1,361	1,701	1,733	1,850	1,861	2,016	2,064	2,126	2,184
Residential or domestic	Bil. kWh	196	261	448	555	588	613	652	679	696	734	736
Percent of total	Percent	28.7	29.5	32.2	32.6	33.8	33.2	33.4	33.6	33.4	34.5	34.2
Commercial ²	Bil. kWh	115	202	313	393	418	441	469	481	481	524	541
Industrial ²	Bil. kWh	345	493	573	689	662	725	757	782	818	794	800
Revenue ²	Bil. dol.	11.6	16.2	22.1	31.1	31.1	33.5	33.6	36.8	36.8	36.5	111.8
Residential or domestic	Bil. dol.	4.9	6.3	9.4	15.7	16.8	21.1	24.7	27.4	31.0	37.8	43.4
Percent of total	Percent	42.2	41.8	42.3	40.1	40.1	39.6	39.4	39.2	39.9	39.4	38.9
Commercial ²	Bil. dol.	2.8	4.3	6.3	11.2	13.5	15.2	18.0	19.7	22.3	27.4	32.3
Industrial ²	Bil. dol.	3.3	3.9	5.4	10.7	12.7	15.0	17.6	20.9	23.8	27.3	32.2
Ultimate customers, Dec. 31 ²	Million	86.9	88.6	72.5	80.1	81.8	83.6	85.6	87.7	88.8	92.7	94.2
Residential or domestic	Million	51.4	57.6	64.0	71.0	72.6	74.2	75.9	77.6	79.6	82.2	83.5
Commercial ²	Million	6.8	7.4	7.9	8.5	8.8	8.8	8.9	9.1	9.4	9.7	9.9
Industrial ²	Million	.5	.3	.4	.4	.4	.4	.4	.5	.5	.5	.5
Avg. kWh used per customer	1,000	11.7	14.7	19.4	21.4	21.4	22.4	23.1	23.9	23.8	23.2	23.8
Residential	1,000	3.9	4.9	7.1	7.9	8.2	8.4	8.7	8.8	8.8	9.0	8.9
Commercial ²	1,000	17.0	27.4	40.0	48.6	49.0	50.7	52.9	53.1	53.2	54.5	55.0
Avg. annual bill per customer	Dollar	198	234	306	493	578	646	740	807	897	1,040	1,192
Residential	Dollar	95	111	148	224	262	288	329	357	381	462	522
Commercial ²	Dollar	416	564	803	1,327	1,582	1,755	2,031	2,176	2,394	2,648	3,285
Avg. revenue per kWh sold	Cents	2.47	2.25	2.10	2.63	2.70	2.86	3.21	3.46	3.82	4.48	5.18
Residential	Cents	2.47	2.25	2.10	2.63	2.70	2.86	3.21	3.46	3.82	4.48	5.18
Commercial ²	Cents	2.45	2.13	2.01	2.85	3.23	3.46	3.84	4.10	4.50	5.22	5.97
Industrial ²	Cents	.97	.90	.95	1.98	1.82	2.07	2.33	2.59	2.91	3.44	4.00

¹Source: 1960-1975, U.S. Federal Power Commission; thereafter, U.S. Energy Information Administration, *Monthly Energy Review*. ²Includes other types not shown separately. ³Small light and power. ⁴Large light and power.

Except as noted, Edison Electric Institute, Washington, D.C., *Statistical Year Book*.

NO. 995. ELECTRIC UTILITIES—BALANCE SHEET AND INCOME ACCOUNT OF PRIVATELY OWNED COMPANIES: 1960 TO 1980

[In millions of dollars. As of Dec. 31. On the basis of both assets and revenues, these classes (A and B utilities) comprise nearly 100 percent of the privately-owned sector of the electric light and power industry. See also *Historical Statistics, Colonial Times to 1970*, series S 133-146 and V 197-212]

ITEM	1966	1966	1979	1974	1975	1979	1977	1979	1979	1980
COMPOSITE BALANCE SHEET										
Assets and other debits	44,742	56,365	67,417	142,990	157,104	173,080	192,055	211,093	234,834	259,962
Electric utility plant ¹	45,456	59,703	93,303	146,007	160,711	177,566	196,815	216,001	242,312	266,921
Depreciation and amortization.....	8,889	13,631	20,253	26,870	31,691	35,567	39,614	44,482	49,699	55,452
Net electric utility plant.....	36,567	46,072	73,050	117,137	128,820	141,999	157,001	173,519	192,612	211,469
Other utility plant.....	4,852	6,613	8,974	11,281	11,673	12,097	12,619	13,182	13,868	14,793
Depreciation and amortization.....	963	1,418	2,095	2,665	3,107	3,368	3,662	3,932	4,217	4,525
Net other utility plant.....	3,888	5,195	6,879	8,416	8,566	8,729	8,957	9,250	9,651	10,268
Total utility plant.....	50,308	66,315	102,277	157,268	172,384	189,663	209,434	231,183	258,181	281,715
Depreciation and amortization.....	9,852	15,049	22,348	31,735	34,999	38,935	43,477	48,414	53,918	59,977
Net total utility plant.....	40,456	51,267	79,929	125,553	137,388	150,728	165,957	182,769	202,264	221,738
Other property and investments.....	1,004	1,247	1,742	4,014	4,498	4,822	5,607	6,375	5,999	6,528
Current and accrued assets.....	3,066	3,639	5,321	11,873	13,530	15,571	18,162	18,919	22,424	26,168
Deferred debits.....	216	242	425	1,550	1,691	1,969	2,309	3,030	4,145	5,510
Liabilities and other credits ²...	44,742	56,365	67,417	142,990	157,104	173,080	192,055	211,093	234,834	259,962
Capital stock.....	13,322	15,668	20,782	33,994	37,773	41,613	45,599	49,146	53,782	59,262
Other paid-in capital.....	1,747	2,622	4,400	9,419	11,531	13,444	15,613	17,868	19,352	21,511
Retained earnings.....	3,736	5,712	9,363	13,299	14,668	16,233	17,829	19,376	21,025	22,711
Subsidiary earnings ³	(x)	(x)	(x)	485	602	867	795	943	1,003	1,059
Long-term debt.....	21,035	25,502	41,837	64,499	70,820	76,210	82,178	88,262	95,684	105,257
Current and accrued liabilities.....	3,112	4,222	7,309	15,240	13,655	14,054	16,035	18,317	23,398	26,299
Deferred credits and operating reserves.....	277	548	945	1,855	2,699	4,046	5,864	7,143	8,717	9,868
Deferred income taxes ⁴	1,325	1,829	2,198	4,209	5,368	6,813	8,342	10,004	11,890	14,117
COMPOSITE INCOME ACCOUNTS										
Electric operating revenues.....	10,116	13,400	19,791	37,225	44,508	50,552	58,866	65,427	72,851	87,082
Electric operating expenses.....	7,917	10,296	15,310	30,134	36,075	41,126	48,579	54,345	61,005	73,424
Net electric operating revenues.....	2,199	3,104	4,481	7,091	8,523	9,426	10,296	11,082	11,845	13,658
Other utility operating income.....	198	304	404	495	522	634	569	652	700	741
Total utility operating income.....	2,397	3,409	4,885	7,586	9,045	10,060	10,875	11,734	12,545	14,379
Other income.....	178	191	774	1,992	2,208	2,469	2,159	2,516	3,066	3,809
Total income.....	2,575	3,600	5,659	9,578	11,253	12,549	13,034	14,250	15,611	17,988
Income deductions.....	792	1,019	2,251	4,454	5,091	5,355	5,026	5,533	6,134	7,312
Net income ⁵	1,783	2,581	3,408	5,470	6,132	7,201	8,011	8,717	9,477	10,676

X Not applicable. ¹ Includes construction work in progress. ² Includes contributions in aid of construction through 1970.

³ Unappropriated undistributed. ⁴ Cumulative. ⁵ Beginning 1974, includes net extraordinary income.

Source: 1960-1975, U.S. Federal Power Commission; thereafter, U.S. Energy Information Administration, *Statistics of Privately Owned Electric Utilities in the United States*, annual.

NO. 1000. LARGEST PUBLIC UTILITY COMPANIES—ASSETS, REVENUES, INCOME, AND STOCKHOLDERS' EQUITY, BY RANK OF ASSETS: 1970 AND 1981

[In millions of dollars, except percent. Excludes telephone and telegraph companies. As of Dec. 31 or calendar year, as applicable]

ASSET GROUP	1979				1981			
	As- sets ¹	Oper- ating rev- enues ²	Net income	Stock- holders' equity ³	As- sets ¹	Oper- ating rev- enues ²	Net income	Stock- holders' equity ³
40 largest	206.9	90.4	7.7	96.1	236.8	104.8	9.5	76.2
Lowest ten.....	30.4	17.4	.9	9.0	33.7	19.5	1.5	10.8
Second ten.....	37.3	20.2	1.7	12.4	42.1	25.0	1.9	14.0
Third ten.....	51.9	19.5	1.8	16.8	57.1	21.9	2.2	19.2
Highest ten.....	66.2	33.3	3.3	27.9	94.0	38.4	3.8	32.2
Percent of total:								
Lowest ten.....	14.6	19.2	11.6	13.6	14.9	18.6	16.4	14.2
Second ten.....	18.1	22.3	22.1	18.8	18.5	23.8	20.3	18.3
Third ten.....	25.2	21.5	23.6	25.4	25.2	20.9	23.2	25.2
Highest ten.....	41.9	36.9	42.7	42.3	41.4	36.7	40.1	42.2

¹ Total assets employed in business, net of depreciation; includes consolidated subsidiaries. ² Gross receipts from operations during year; includes nonutility revenues from manufacturing, transportation, etc. ³ Capital stock excluding redeemable preferred, surplus, and retained earnings (i.e., net worth).

Source: Time, Inc., New York, N.Y., adapted from *The Fortune Directory*, July issues. (Copyright.)

No. 1001. PRIVATELY OWNED GAS UTILITY INDUSTRY—BALANCE SHEET AND INCOME ACCOUNT:
1980 TO 1981

[In millions of dollars. Excludes Alaska for 1980. The gas utility industry consists of pipeline and distribution companies. Excludes operations of companies distributing gas in bottles or tanks. See also *Historical Statistics, Colonial Times to 1970*, series S 205-218]

ITEM	1980	1980	1970	1975	1979	1977	1979	1979	1980	1981
COMPOSITE BALANCE SHEET										
Assets, total ¹	20,000	25,640	34,929	50,296	55,281	59,997	62,918	70,245	75,725	87,377
Total utility plant.....	20,835	26,205	36,541	49,384	52,086	55,020	59,033	62,710	66,767	73,243
Depreciation and amortization.....	4,570	7,205	10,696	16,779	16,693	20,586	22,661	24,400	28,082	29,082
Utility plant (net).....	16,265	21,000	27,845	32,605	33,373	34,434	36,172	38,310	40,705	44,161
Investment and fund accounts ¹	1,380	1,885	3,024	9,198	10,876	12,513	12,805	14,097	15,625	19,540
Current and accrued assets.....	2,185	2,545	3,674	7,543	9,707	11,194	12,129	15,427	17,211	20,696
Deferred debts ²	170	210	368	940	1,305	1,556	1,815	2,411	2,184	2,980
Liabilities, total ¹	20,000	25,640	34,929	50,296	55,281	59,997	62,918	70,245	75,725	87,377
Capitalization, total ¹	16,940	21,520	28,646	39,044	42,379	44,316	45,830	46,165	51,299	57,835
Capital stock ¹	7,810	10,005	12,985	19,500	21,593	23,840	25,585	27,135	29,262	33,237
Long-term debts.....	9,130	11,515	15,661	19,544	20,788	20,476	20,245	21,030	22,037	24,598
Current and accrued liabilities.....	2,420	3,035	4,832	8,158	9,063	10,636	11,704	16,024	18,107	22,289
Deferred income taxes ³	350	660	788	2,052	2,525	2,794	2,991	3,798	4,144	4,991
Other liabilities and credits.....	290	425	663	1,032	1,294	1,951	2,393	2,257	2,175	2,282
COMPOSITE INCOME ACCOUNT										
Operating revenues, total.....	8,696	11,525	16,380	30,550	37,618	46,309	52,995	66,931	85,807	102,136
Operating expenses ⁴	7,587	10,063	14,308	27,460	34,217	42,685	49,272	62,887	81,517	97,440
Operation and maintenance.....	5,951	7,973	11,638	22,957	28,949	36,956	43,108	56,281	74,433	89,802
Federal, State, and local taxes.....	1,058	1,292	1,569	2,763	3,363	3,719	3,960	4,294	4,653	5,070
Operating income.....	1,109	1,462	2,074	3,070	3,402	3,624	3,723	4,043	4,290	4,688
Utility operating income.....	1,137	1,503	2,159	3,221	3,543	3,778	3,944	4,296	4,633	5,113
Income before interest charges ¹	1,247	1,860	2,457	4,137	4,846	4,996	5,385	6,303	7,112	8,419
Net income ¹	830	1,107	1,427	2,502	2,877	3,193	3,443	4,208	4,377	5,174
Dividends.....	581	781	1,006	1,509	1,783	1,959	2,117	2,362	2,566	3,060

¹Beginning 1975, not comparable with earlier years due to Federal Power Commission ruling requiring adoption of the equity method in reporting earnings of subsidiaries. ²Includes capital stock discount and expense and reacquired securities. ³Includes reserves for deferred income taxes. ⁴Includes expenses not shown separately.

No. 1002. GAS UTILITY INDUSTRY—SUMMARY: 1980 TO 1981

[1980 excludes Alaska. Covers natural, manufactured, mixed, and liquid petroleum gas. Based on questionnaire mailed to all privately and municipally owned gas utilities in U.S., except those with annual revenues less than \$25,000. See also *Historical Statistics, Colonial Times to 1970*, series S 190-204]

ITEM	Unit	1980	1985	1970	1975	1979	1977	1978	1979	1980	1981
Customers ¹	1,000.....	33,054	37,338	41,482	44,555	44,942	45,274	45,789	46,478	47,038	47,844
Residential.....	1,000.....	30,418	34,341	38,097	40,950	41,338	41,682	42,183	42,821	43,311	44,054
Commercial.....	1,000.....	2,458	2,790	3,131	3,367	3,371	3,371	3,370	3,423	3,491	3,555
Industrial and other.....	1,000.....	178	207	254	237	233	220	236	234	236	236
Sales ²	Tril. Btu ³	9,298	11,980	16,044	14,983	14,814	14,341	14,746	15,440	15,409	15,398
Residential.....	Tril. Btu.....	3,188	3,999	4,923	4,991	5,014	4,946	5,107	5,083	4,823	4,601
Percent of total.....	Percent.....	34.3	33.4	30.7	33.6	33.9	34.5	34.6	32.9	31.3	29.9
Commercial.....	Tril. Btu.....	920	1,345	2,007	2,387	2,423	2,409	2,500	2,486	2,442	2,360
Industrial.....	Tril. Btu.....	4,710	6,146	8,439	6,837	7,107	6,711	6,841	7,555	7,862	8,220
Other.....	Tril. Btu.....	470	490	674	648	270	275	301	316	283	199
Revenues ³	Mil. dol.....	5,617	7,407	10,283	19,101	23,701	28,303	32,150	38,947	46,276	56,343
Residential.....	Mil. dol.....	3,177	4,030	5,207	8,445	9,941	11,541	12,939	14,833	17,409	19,220
Percent of total.....	Percent.....	56.6	54.4	50.6	44.2	41.9	40.8	40.2	38.1	36.1	34.1
Commercial.....	Mil. dol.....	723	1,054	1,620	3,302	4,075	4,960	5,696	6,624	8,149	9,231
Industrial.....	Mil. dol.....	1,563	2,148	3,181	6,745	9,374	11,385	13,065	16,961	22,081	27,247
Other.....	Mil. dol.....	153	176	274	608	311	397	450	530	637	645
Prices per mil. Btu ³	Dollars.....	.80	.82	.84	1.29	1.80	1.97	2.18	2.52	3.13	3.86
Residential.....	Dollars.....	1.00	1.01	1.08	1.69	1.98	2.33	2.53	2.92	3.61	4.18
Commercial.....	Dollars.....	.79	.78	.81	1.38	1.68	2.07	2.28	2.66	3.34	3.91
Industrial.....	Dollars.....	.33	.35	.38	.99	1.32	1.70	1.91	2.24	2.81	3.31
Gas mains mileage.....	1,000.....	631	768	913	980	997	998	1,013	1,030	1,051	1,084
Field and gathering.....	1,000.....	56	62	68	88	70	71	75	78	84	88
Transmission.....	1,000.....	164	211	252	263	258	260	261	263	267	270
Distribution.....	1,000.....	391	495	595	649	659	667	678	888	701	708
Construction expenditures ⁴	Mil. dol.....	1,845	1,936	2,506	2,466	2,425	2,833	3,581	4,366	5,388	6,388
Transmission.....	Mil. dol.....	848	770	1,019	590	530	670	935	1,226	1,583	2,352
Distribution.....	Mil. dol.....	696	824	913	910	926	1,046	1,228	1,448	1,889	1,955
Production and storage.....	Mil. dol.....	216	225	370	631	628	943	1,202	1,406	1,150	1,346

¹Annual average. ²Excludes sales for resale. ³For definition, see text, p. 589. ⁴Includes general.
Source of tables 1001 and 1002: American Gas Association, Arlington, Va., *Gas Facts*, annual. (Copyright.)

No. 1003. GAS UTILITY INDUSTRY—CUSTOMERS, SALES, AND REVENUES, BY CLASS OF SERVICE, AND STATES: 1981

[See headnote, table 1002]

REGION AND STATE	CUSTOMERS ¹ (1,000)				SALES ² (billion Btu ³)				REVENUES ⁴ (mil. dol.)			
	Total ⁵	Residential	Commercial	Industrial	Total ⁵	Residential	Commercial	Industrial	Total ⁵	Residential	Commercial	Industrial
U.S.	47,834	44,084	3,562	182	15,391	4,596	2,363	8,216	58,343	19,220	9,231	27,247
N. Eng.	1,762	1,621	129	9	311	149	89	73	1,796	942	496	358
Maine	15	13	2	(2)	2	1	1	1	14	4	6	4
N.H.	52	48	6	(2)	10	5	3	2	51	24	17	9
Vt.	19	14	1	(2)	4	1	1	2	29	10	6	12
Mass.	1,093	1,012	73	5	187	99	53	35	1,077	583	302	181
R.I.	173	161	11	1	29	15	5	10	166	92	30	44
Conn.	412	376	34	2	79	34	23	21	460	228	126	105
Mid. Atl.	8,165	7,897	664	23	1,719	792	316	674	7,828	3,976	1,449	2,241
N.Y.	3,943	3,890	234	11	839	348	118	148	3,059	1,822	535	593
N.J.	1,850	1,672	171	7	336	151	77	106	1,778	875	412	482
Pa.	2,362	2,205	149	6	743	293	121	319	2,992	1,280	502	1,198
E. No. Cent.	10,898	10,059	799	47	2,802	1,496	682	1,312	12,811	5,812	2,592	4,403
Ohio	2,768	2,565	194	6	661	367	159	309	3,125	1,496	574	1,030
Ind.	1,267	1,190	102	4	480	158	87	252	1,565	566	227	761
Ill.	3,318	3,055	244	19	1,053	473	223	356	3,862	1,828	798	1,237
Mich.	2,484	2,311	184	10	789	365	176	248	2,922	1,391	652	889
Wis.	1,060	986	84	8	320	113	58	149	1,339	531	241	566
W. No. Cent.	4,221	3,819	399	19	1,263	442	299	590	4,244	1,683	992	1,663
Minn.	636	781	70	5	254	95	45	109	914	391	172	341
Iowa	756	674	81	2	241	77	47	117	834	302	167	363
Mo.	1,230	1,135	93	1	287	132	85	69	1,009	504	291	210
N. Dak.	89	78	10	(2)	21	9	10	2	81	38	36	6
S. Dak.	108	94	11	1	22	10	7	6	78	38	23	17
Nebr.	470	407	60	2	139	46	32	60	417	190	87	181
Kans.	735	664	67	5	321	74	44	198	911	220	115	586
So. Atl.	4,198	3,782	326	12	1,313	348	239	690	5,190	1,671	959	2,441
Del.	83	78	5	(2)	24	7	4	12	105	38	18	48
Md.	783	728	50	5	166	71	31	63	752	359	143	250
D.C.	149	132	15	-	29	14	15	-	152	75	77	-
Va.	533	487	43	2	144	50	35	59	591	236	153	194
W. Va.	394	361	32	(2)	130	46	24	60	489	191	89	209
N.C.	385	340	43	2	148	33	24	90	671	165	114	388
S.C.	296	256	25	1	134	19	16	78	520	92	61	281
Ga.	1,053	975	76	2	303	94	54	152	1,148	493	195	509
Fla.	442	406	35	1	237	15	29	189	763	61	108	582
E. So. Cent.	2,216	2,001	200	6	772	189	104	498	2,816	749	374	1,443
Ky.	630	573	54	1	168	70	30	63	565	247	102	196
Tenn.	513	447	60	2	209	42	34	130	699	147	123	393
Ala.	673	621	48	2	217	52	26	138	799	242	98	457
Miss.	400	360	39	1	178	29	14	126	563	114	51	395
W. So. Cent.	5,592	5,099	491	25	3,679	399	229	2,995	11,246	1,431	763	8,974
Ark.	482	436	54	2	215	38	24	161	451	109	61	278
La.	1,006	936	67	2	572	88	26	458	1,664	259	93	1,295
Okla.	634	754	78	4	452	89	41	342	1,077	195	109	772
Tex.	2,280	2,974	284	17	2,440	214	137	2,044	8,034	866	500	6,538
Int.	2,732	2,482	239	6	770	222	149	393	2,919	898	512	1,191
Mont.	185	164	20	1	48	16	13	18	188	65	48	66
Idaho	110	95	15	(2)	42	7	8	27	180	37	39	104
Wyo.	80	71	8	(2)	40	8	5	27	119	27	18	75
Colo.	673	779	92	2	197	75	58	63	743	311	218	210
N. Mex.	337	302	31	3	116	26	14	65	356	95	48	182
Ariz.	585	540	43	2	142	25	20	82	466	122	66	280
Utah	367	362	24	1	108	45	14	48	295	143	39	117
Nev.	176	170	6	(2)	77	14	9	54	282	65	39	177
Pac.	8,154	7,680	485	38	2,914	585	295	1,151	7,996	2,120	1,286	4,576
Wash.	391	334	44	2	129	26	30	70	611	159	149	305
Oreg.	284	249	35	1	75	16	15	42	370	104	81	184
Calif.	7,411	6,999	379	33	1,777	510	246	1,019	6,920	1,833	1,037	4,039
Alaska	46	40	5	1	31	6	3	19	45	16	6	23
Hawaii	33	29	2	2	3	1	1	2	50	11	13	26

Represents zero. ² Fewer than 500. ³ Averages for the year. ⁴ Includes other service, not shown separately. Excludes sales for resale. ⁵ For definition, see headnote, table 971

Source: American Gas Association, Arlington, Va., Gas Facts, annual. (Copyright.)

No. 1004. GAS UTILITY INDUSTRY—PRICES, BY STATE: 1960

[In dollars per million Btu. For definition of Btu, see headnote, table 971 Excludes sales for resale]

STATE	Total	Residential	Commercial	Industrial	STATE	Total	Residential	Commercial	Industrial	STATE	Total	Residential	Commercial	Industrial
U.S.	3.19	2.81	2.94	2.81	Kans.	2.23	2.38	2.03	2.24	N. Dak.	3.57	3.83	3.34	3.59
Ala.	3.13	4.11	3.30	2.72	Ky.	2.90	3.08	2.97	2.87	Ohio	3.24	3.45	3.23	2.97
Alaska	1.20	1.73	1.48	.85	La.	2.36	3.08	2.89	2.23	Okla.	2.04	2.35	2.19	1.98
Ariz.	2.81	3.72	2.80	2.45	Maine	5.15	6.34	5.12	4.29	Oreg.	4.84	5.36	4.91	4.20
Ark.	1.93	2.31	2.06	1.79	Md.	3.87	4.40	3.95	3.17	Pa.	3.45	3.74	3.54	3.14
Calif.	3.57	3.38	3.83	3.82	Mass.	4.88	5.41	4.85	4.06	R.I.	4.89	5.48	5.13	4.15
Colo.	2.86	3.22	3.03	2.60	Mich.	3.06	3.15	3.14	2.87	S.C.	3.03	4.12	3.17	2.88
Conn.	4.88	5.73	4.72	4.09	Minn.	2.81	3.24	2.92	2.40	S. Dak.	2.81	3.11	2.78	2.34
Del.	3.48	4.15	3.77	3.04	Miss.	2.70	3.38	3.04	2.52	Tenn.	2.89	2.94	2.99	2.53
D.C.	4.38	4.55	4.21	(x)	Mo.	3.04	3.37	2.98	2.51	Tex.	2.72	3.30	2.95	2.70
Fla.	2.84	4.53	3.28	2.34	Mont.	3.03	2.88	2.93	3.17	Utah	2.34	2.88	2.25	2.09
Ga.	3.18	4.06	3.06	2.67	Nebr.	2.34	2.71	2.32	2.07	Vt.	5.86	6.43	6.00	4.83
Hawaii	13.01	14.58	12.78	12.60	Nev.	3.17	3.97	3.85	3.65	Va.	3.86	4.24	3.71	2.91
Idaho	4.03	4.94	4.33	3.70	N.H.	4.23	4.53	4.28	3.48	Wash.	4.33	4.91	4.48	4.00
Ill.	3.26	3.46	3.18	3.04	N.J.	4.40	4.89	4.47	3.80	W. Va.	3.26	3.61	3.20	3.01
Ind.	2.82	3.12	2.82	2.58	N. Mex.	2.86	3.21	2.83	2.44	Wis.	3.42	3.80	3.43	3.12
Iowa	2.81	3.20	2.85	2.51	N.Y.	4.43	4.86	4.14	3.70	Wyo.	2.31	2.89	2.45	2.18
					N.C.	3.46	4.00	3.64	3.22					

X Not applicable.

Source: American Gas Association, Arlington, Va., *Gas Facts*, annual (copyright).

No. 1005. WATER POWER—DEVELOPED AND UNDEVELOPED, BY DIVISION: 1950 TO 1980

[In millions of kilowatts. As of Dec. 31. Excludes Alaska and Hawaii for 1950 and all capacity of reversible equipment at pumped storage projects (12.9 million kW in 1980). Also excludes capacity precluded from development due to wild and scenic river legislation. See also *Historical Statistics, Colonial Times to 1970*, series S 160-175]

DIVISION	DEVELOPED INSTALLED CAPACITY							ESTIMATED UNDEVELOPED CAPACITY						
	1950	1960	1965	1970	1975	1979	1980	1950	1960	1965	1970	1975	1979	1980
U.S.	18.7	33.2	44.5	52.0	57.0	63.3	64.4	87.8	114.2	124.1	128.0	113.7	110.5	128.9
New England	1.2	1.5	1.5	1.5	1.5	1.5	1.5	3.3	2.9	3.2	3.3	3.3	3.0	4.7
Middle Atlantic	1.7	2.5	4.8	4.3	4.2	4.2	4.3	8.8	7.8	5.0	4.5	4.3	4.4	5.1
E. No. Central	.9	.9	.9	.9	.9	.9	.9	2.3	3.0	1.4	1.6	1.4	1.3	2.0
W. No. Central	.8	1.6	3.0	2.7	2.8	2.8	2.8	5.8	6.4	4.1	4.4	2.1	2.3	3.4
South Atlantic	2.8	3.8	5.2	5.3	5.8	5.9	5.9	8.2	8.4	10.0	9.6	8.4	8.1	9.6
E. So. Central	2.7	3.8	4.5	5.2	5.5	5.4	5.6	4.7	4.8	4.3	3.8	3.1	3.6	3.3
W. So. Central	.5	.9	1.7	1.9	2.3	2.3	2.3	3.8	3.9	3.1	3.3	2.7	3.1	4.7
Mountain	2.3	4.8	5.8	6.2	6.8	7.3	7.4	23.4	23.6	26.5	26.7	19.6	20.8	34.2
Pacific	8.0	13.6	17.4	23.8	27.2	33.0	33.7	28.8	53.8	66.5	70.9	66.8	63.9	82.9

Source: 1950-1975, U.S. Federal Power Commission, *Hydroelectric Power Resources of the United States, Developed and Undeveloped*, Jan. 1, 1976; thereafter, U.S. Federal Energy Regulatory Commission, unpublished data.

No. 1006. SOLAR COLLECTOR SHIPMENTS, BY TYPE, END-USE, AND MARKET SECTOR: 1974 TO 1981

[In thousands of square feet, except number of manufacturers. Solar collector-device for intercepting sunlight, converting the sunlight to heat, and carrying the heat to where it will be either used or stored]

YEAR	Number of manufacturers	Total shipments ¹	COLLECTOR TYPE		END USE			MARKET SECTOR		
			Low temperature	Medium temperature, special, other	Pool heating	Hot water	Space heating	Residential	Commercial	Industrial
1974	46	1,274	1,137	137	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1975	131	3,743	3,026	717	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1976	186	5,801	3,676	1,925	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977	321	10,312	4,743	5,569	8,334	1,713	1,889	7,978	1,880	106
1978	340	10,880	5,872	4,988	5,970	2,513	1,736	8,095	1,848	283
1979	348	14,251	8,395	5,857	8,551	2,958	1,722	11,387	2,015	314
1980	278	18,386	12,233	7,155	12,029	4,790	1,888	16,077	2,417	498
1981	282	18,950	8,563	11,387	9,698	7,135	2,017	15,630	2,521	1,518

NA Not available. ¹ Includes other end uses and market sectors not shown separately.Source: U.S. Energy Information Administration, *Solar Collector Manufacturing Activity*, semiannual.

NO. 1007. NUCLEAR POWER PLANTS—NUMBER, CAPACITY, AND GENERATION, 1965 TO 1981

ITEM	1965	1970	1975	1974	1976	1976	1977	1978	1979	1980	1981, pref.
Operating reactors ¹	10	19	41	54	57	64	67	71	71	75	74
Capacity ¹ (mil. kW)	9	6.5	24.7	36.9	35.6	44.8	47.1	50.8	50.9	54.7	55.8
Percent of total electric utility capacity	4	1.9	5.6	7.7	7.0	8.4	8.4	8.8	8.5	8.9	8.8
Electricity generated (bil. kWh)	4	22	84	114	173	191	251	278	256	251	273
Percent of total electric utility generation	4	1.4	4.5	6.1	9.0	9.4	11.8	12.5	11.4	11.0	11.9

¹ As of yearend. Includes plants shut down permanently or for extended periods.Source: U.S. Energy Information Administration, *Annual Report to Congress*, vol. II.

NO. 1008. COMMERCIAL NUCLEAR POWER GENERATION, BY COUNTRY: 1970 TO 1981

[Generation for calendar years; other data as of December. Excludes Communist countries]

COUNTRY	REACTORS				ELECTRICITY GENERATED ¹ (bil. kWh)				GROSS CAPACITY (1,000 kW)			
	1970	1975	1980	1981	1970	1975	1980	1981	1970	1975	1980	1981
Total..	64	140	306	234	73.9	329.0	617.8	729.6	15,186	69,186	128,847	145,088
U.S.	15	55	74	77	23.2	181.8	265.2	266.6	5,211	39,399	56,529	61,036
Argentina	-	1	1	1	-	2.5	2.3	2.8	-	340	357	357
Belgium	1	3	3	3	.3	6.8	12.5	12.8	11	1,744	1,744	1,744
Canada	1	5	9	9	.9	13.2	40.4	43.9	220	2,360	5,588	5,588
China: Taiwan	-	-	2	3	-	-	8.2	10.7	-	-	1,272	2,257
Germany F.R. of	4	7	11	11	5.3	21.7	43.7	63.3	907	3,452	8,996	8,996
Great Britain	27	29	33	33	26.5	30.5	37.2	38.9	4,783	6,135	9,012	9,012
Finland	-	-	4	4	-	-	7.0	14.5	-	-	2,296	2,296
France	4	10	22	30	5.7	16.3	61.2	105.2	1,606	3,066	15,412	23,088
India	2	3	4	4	2.2	2.5	2.9	3.1	400	620	860	860
Italy	3	3	4	4	3.3	3.8	2.2	2.7	631	639	1,490	1,490
Japan	3	10	22	23	3.3	16.7	61.0	83.6	626	5,278	15,117	15,678
Korea, Rep. of	-	-	1	1	-	-	3.5	2.9	-	-	587	587
Netherlands	1	2	2	2	.4	3.3	4.2	3.7	55	523	529	529
Pakistan	-	1	1	1	-	5	1	2	-	137	137	137
Spain	1	3	3	4	9	7.5	5.2	9.4	160	1,117	1,117	2,047
Sweden	1	5	8	9	(2)	12.0	26.7	37.7	12	3,312	6,770	6,710
Switzerland	1	3	4	4	1.9	7.7	14.3	15.2	364	1,054	2,034	2,034
Yugoslavia	-	-	-	1	-	-	-	3	-	-	-	664

- Represents zero. Z Less than 50 million kWh. ¹ Gross.Source: McGraw-Hill, Inc., New York, N.Y., *Nuclear Week*, December issues. (Copyright.)

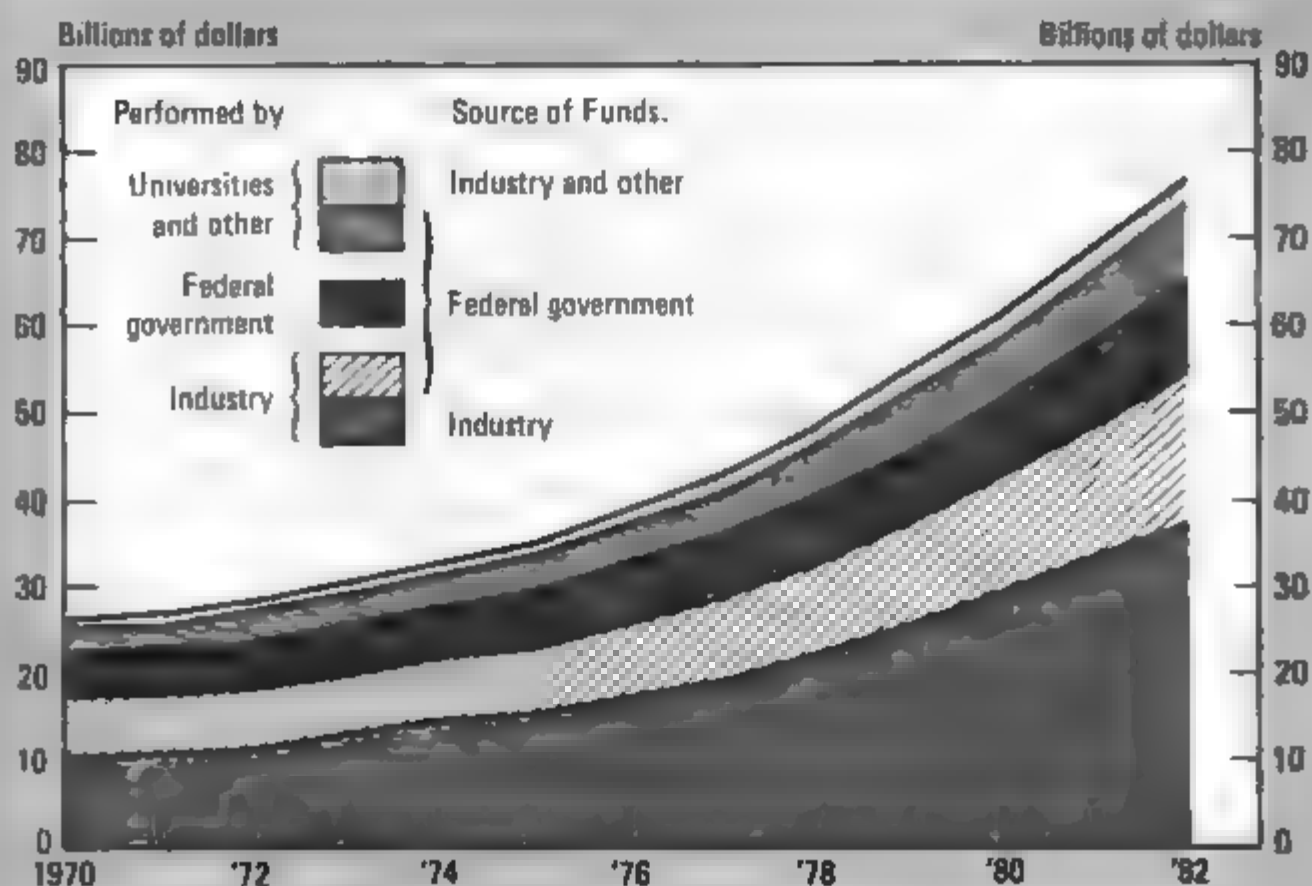
NO. 1009. URANIUM SUPPLY, ENRICHMENT, AND DISCHARGED COMMERCIAL REACTOR FUEL: 1965 TO 1981

[Years ending Dec. 31. Metric ton=1 102 short tons or .984 long ton]

ITEM	Unit	1965	1970	1975	1976	1977	1978	1979	1980	1981
URANIUM (U ₃ O ₈)										
Production	Sh. tons	10,442	12,900	11,000	12,747	14,840	16,480	18,730	21,850	19,000
Exports	Sh. tons	-	2,100	500	600	2,000	3,400	2,600	2,900	1,800
Imports	Sh. tons	4,000	-	700	1,600	2,900	2,600	1,500	1,800	1,900
Delivered price	Dol./lb.	(NA)	(NA)	10.50	16.10	19.75	21.80	23.85	26.00	30.95
ENRICHMENT										
Enriched product	Metric tons	146	1,548	2,707	2,685	3,117	3,023	3,507	2,955	3,260
For domestic customers	Metric tons	47	1,176	1,190	1,090	1,861	1,506	2,270	1,905	2,030
For foreign customers	Metric tons	99	372	1,517	1,595	1,236	1,517	1,237	1,050	1,250
Cost of services	Mil. dol.	(NA)	63.8	562.6	668.9	659.1	877.2	1,234	1,360	1,111
DISCHARGED COMMERCIAL REACTOR FUEL ¹										
Annual discharge	Metric tons	(NA)	67	547	730	911	1,131	1,226	1,295	1,212
Inventory, yearend	Metric tons	(NA)	181	1,584	2,314	3,225	4,333	5,556	6,854	8,066

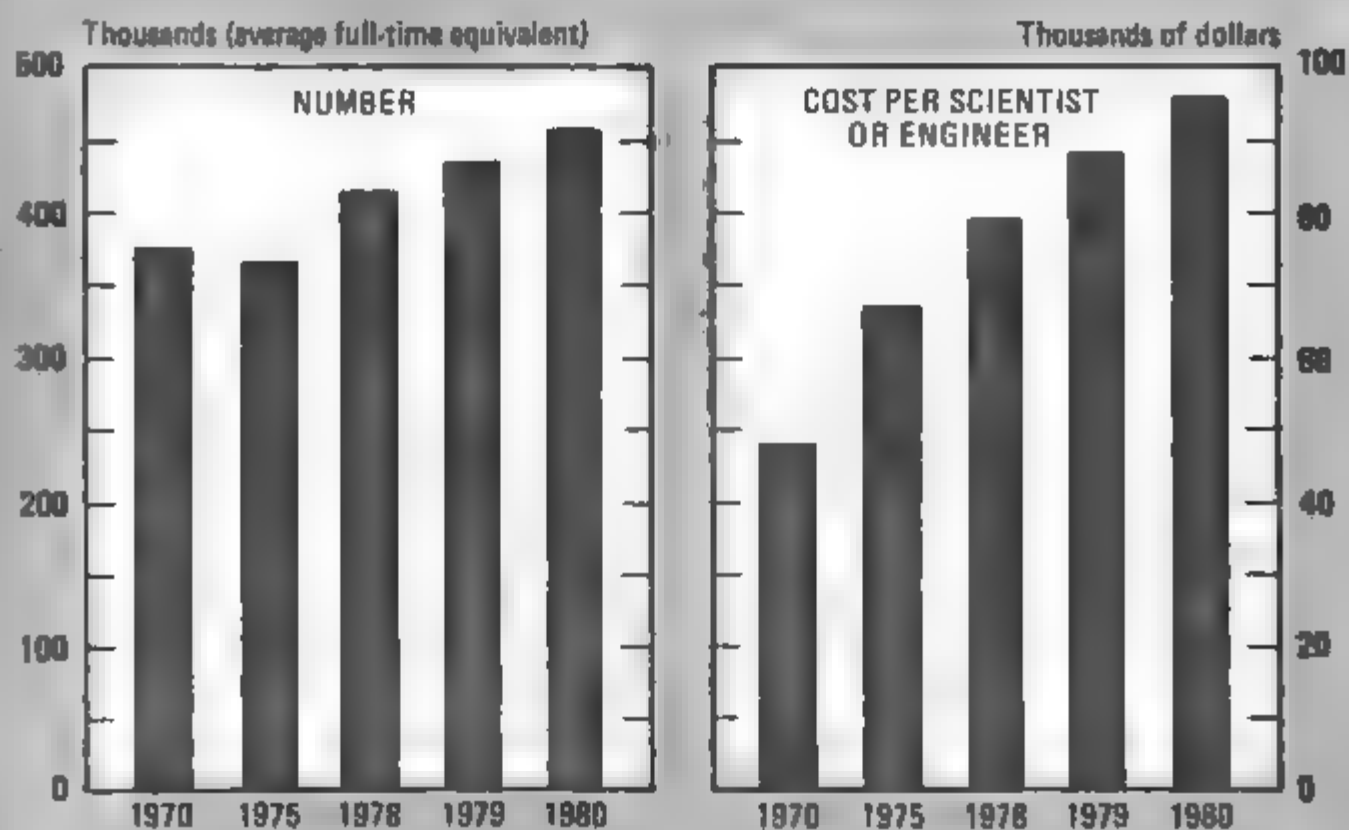
- Represents zero. NA Not available. ¹ Uranium content. Source: Nuclear Assurance Corporation, Atlanta, Ga.² Allows for reprocessing.Source: Except as noted, U.S. Energy Information Administration, *Annual Report to Congress*, vol. II; U.S. Dept. of Energy, *Statistical Data of the Uranium Industry, 1987*; and unpublished data.

Figure 21.1
Research and Development, Funds Used: 1970 to 1982



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1012.

Figure 21.2
Research and Development Scientists and Engineers in Private Industry: 1970 to 1980



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1025.



Section 21

Science

This section presents statistics on scientific, engineering, and technological resources, with emphasis on patterns of research and development (R&D) funding and on scientific, engineering, and technical personnel and education. Also included are statistics on space program outlays and accomplishments. Principal sources of these data are the National Science Foundation (NSF) and the National Aeronautics and Space Administration (NASA).

NSF gathers data chiefly through recurring surveys. Some current NSF publications containing data on funds for research and development and on scientific and engineering personnel include *Science Resources Studies Highlights* and the occasional bulletin series, *Reviews of Data on Science Resources*; and annual, biennial, and special reports such as *Federal Funds for Research and Development*; *Research and Development in Industry*; *National Patterns of Science and Technology Resources*; *Academic Science: R&D Funds, Scientists and Engineers, Graduate Enrollment and Support*; *Scientists and Engineers From Abroad*; *Federal Scientific and Technical Personnel*; *Federal Support to Universities, Colleges, and Selected Nonprofit Institutions*; *Characteristics of Doctoral Scientists and Engineers in the United States*; *U.S. Scientists and Engineers*; *Employment Attitudes of Recent Science and Engineering Graduates*; *Science and Engineering Employment*; *Characteristics of Experienced Scientists and Engineers*; *Scientists, Engineers, and Technicians in Private Industry*; *Science and Engineering Personnel: A National Overview*; and policy reports relating to national allocation of human resources and funds to science and technology. Statistical surveys in these areas pose particularly difficult problems of concept and definition and the data should, therefore, be regarded as broad estimates rather than precise quantitative statements. Detailed discussions of the scope and limitations of the data appear in the source publications.

The National Science Board's biennial *Science Indicators* publication contains data and analyses of international and domestic science and technology. *The Budget of the United States Government*, published by the U.S. Office of Management and Budget, contains summary financial data on Federal R&D programs.

Research and development outlays.—NSF defines research as a "systematic and intensive study directed toward a fuller knowledge of the subject studied" and development as "the systematic use of scientific knowledge directed toward the production of useful materials, devices, systems, methods, or processes." National coverage of R&D expenditures is developed primarily from periodic surveys in four principal economic sectors: (1) *Government*, made up primarily of Federal executive agencies; (2) *Industry*, consisting of manufacturing and nonmanufacturing firms and the federally funded research and development centers (FFRDC's) they administer; (3) *universities and colleges*, composed of universities, colleges, and their affiliated institutions, agricultural experiment stations, and associated schools of agriculture, and FFRDC's administered by educational institutions; and (4) *other nonprofit institutions*, consisting of such organizations as private philanthropic foundations, nonprofit research institutes, voluntary health agencies, and FFRDC's administered by nonprofit organizations. The R&D funds reported consist of current operating costs, including planning and administration costs, except as otherwise noted. They exclude funds for routine testing, mapping and surveying, collection of general-purpose data, dissemination of scientific information, and training of scientific personnel.

Scientists, engineers, and technicians.—Scientists and engineers are defined as persons engaged in scientific and engineering work at a level requiring a knowledge of sciences equivalent at least to that acquired through completion of a 4-year college course. Technicians are defined as persons engaged in technical work at a level requiring knowledge acquired through a technical institute, junior college, or other type of training less extensive than 4-year college training. Craftsmen and skilled workers are excluded.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

No. 1010. RESEARCH AND DEVELOPMENT—OUTLAYS: 1955 TO 1982

[Includes basic research, applied research, and development. Defense-related outlays comprise all research and development spending by Dept. of Defense, including space activities, and a portion of Department of Energy funds. Space-related outlays are those of the National Aeronautics and Space Administration; they exclude space activities of other Federal agencies, estimated at less than 5 percent of all space research and development spending. Minus sign (-) denotes decrease]

YEAR OR PERIOD	CURRENT DOLLARS (bil. dol.)			CONSTANT (1972) DOLLARS		ANNUAL PERCENT CHANGE ²		PERCENT OF TOTAL R AND D OUTLAYS					
	Total ¹	De- fense space relat- ed	Other	Total	Per- cent of GNP ²	Cur- rent dol- lars	Con- stant dol- lars	Federally funded defense-space-related			Other outlays		
								Total	De- fense	Space	Total	Non- Fed- eral	Fed- eral
1955.....	8.2	3.0	3.1	10.1	1.5	9.4	7.2	49	48	1	51	43	8
1956.....	8.4	4.2	4.2	13.3	2.0	35.5	31.4	50	49	1	50	42	8
1957.....	9.8	5.3	4.5	15.0	2.2	18.9	13.0	54	53	1	47	38	9
1958.....	10.7	5.8	4.9	16.2	2.4	9.6	7.6	54	53	1	47	37	10
1959.....	12.4	7.0	5.3	18.3	2.5	15.4	12.8	57	54	3	43	35	8
1960.....	13.5	7.4	6.1	19.6	2.7	9.4	7.6	57	52	3	44	35	8
1961.....	14.3	8.0	6.3	20.6	2.7	5.9	4.8	56	50	6	44	35	9
1962.....	15.4	8.5	6.9	21.8	2.7	7.5	5.7	55	48	7	45	36	9
1963.....	17.1	9.4	7.7	23.7	2.9	10.8	9.1	55	41	14	45	34	11
1964.....	18.9	10.8	8.3	25.9	3.0	10.5	8.9	56	37	19	43	34	9
1965.....	20.0	10.8	9.2	26.9	2.9	6.3	4.0	54	33	21	46	35	11
1966.....	21.8	11.4	10.5	28.4	2.9	9.0	5.7	52	33	19	48	36	12
1967.....	23.1	11.3	11.8	29.2	2.9	6.0	2.8	49	35	14	51	38	13
1968.....	24.6	11.8	12.8	29.6	2.9	6.3	2.0	48	35	13	52	39	13
1969.....	25.6	11.5	14.1	29.6	2.7	4.2	8	46	34	11	55	42	13
1970.....	26.1	11.2	14.9	28.6	2.6	2.0	-3.3	43	33	10	57	43	14
1971.....	26.7	10.9	15.7	27.8	2.6	2.1	2.8	41	32	9	59	44	15
1972.....	28.5	11.7	16.8	28.5	2.4	6.8	2.4	41	33	8	59	44	15
1973.....	30.7	11.7	19.0	29.2	2.3	7.9	2.4	38	31	7	62	47	15
1974.....	32.9	11.5	21.4	28.8	2.3	7.0	1.2	35	28	7	65	48	16
1975.....	35.2	12.0	23.2	28.2	2.3	7.1	-2.1	34	27	7	66	48	17
1976.....	39.0	13.3	25.7	29.6	2.3	10.8	4.8	34	26	8	66	48	17
1977.....	43.0	14.2	28.8	30.7	2.2	10.2	3.8	33	26	7	67	48	18
1978.....	48.3	15.0	33.3	32.2	2.2	12.4	4.9	31	24	7	69	50	19
1979.....	55.0	16.5	38.5	33.8	2.3	13.9	4.9	30	23	7	70	51	19
1980.....	62.2	18.7	43.5	36.1	2.4	13.1	3.9	30	23	7	70	52	19
1981.....	69.8	21.6	48.2	37.1	2.4	12.2	2.7	31	24	7	69	53	18
1982, est.....	77.3	24.7	52.6	37.0	2.4	10.7	2.6	32	25	7	68	53	15
Annual average:													
1960-1969.....	19.4	10.1	9.4	25.6	2.6	7.8	5.0	53	40	13	46	38	11
1970-1979.....	36.5	12.8	23.8	29.7	2.3	6.0	1.4	36	28	8	64	48	16
1980-1982.....	69.8	21.7	48.1	36.1	2.4	12.0	3.1	31	24	7	69	53	16

¹ Includes revisions not shown in detail. ² GNP=Gross national product. ³ Change from prior year shown; 1965 change from 1964.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual, and unpublished data.

No. 1011. RESEARCH AND DEVELOPMENT—SOURCE OF FUNDS AND PERFORMANCE SECTOR: 1960 TO 1982

[In millions of dollars. See headnote, table 1012]

YEAR	SOURCE OF FUNDS					PERFORMANCE SECTOR					
	Total	Federal Govt.	Indus- try	Univ., col- leges	Other ¹	Total	Federal Govt.	Indus- try	Univ., col- leges	Associ- ated FFRDC's	Other ¹
Current dollars:											
1960.....	13,523	8,738	4,516	148	120	13,523	1,726	10,509	646	380	262
1965.....	20,044	13,012	6,548	267	217	20,044	3,093	14,165	1,474	629	663
1970.....	26,134	14,692	10,444	481	337	26,134	4,079	18,067	2,335	737	816
1975.....	36,213	18,109	15,820	749	535	36,213	5,354	24,187	3,409	887	1,276
1980.....	62,222	29,576	30,400	1,313	933	62,222	7,929	43,879	6,049	2,236	2,130
1981.....	69,790	32,910	34,385	1,480	1,005	69,790	9,000	48,600	6,600	2,350	2,240
1982, est.....	77,265	36,125	38,500	1,800	1,080	77,265	10,000	55,700	6,950	2,350	2,265
Constant (1972) dollars:											
1960.....	19,636	12,673	6,573	214	176	19,636	2,461	15,297	928	517	412
1965.....	26,896	17,443	8,808	356	291	26,896	4,124	19,077	1,965	838	692
1970.....	28,613	16,316	11,421	506	370	28,613	4,481	19,758	2,584	809	1,003
1975.....	28,204	14,561	12,803	606	432	28,204	4,350	19,263	2,771	802	1,018
1980.....	35,114	16,705	17,139	743	527	35,114	4,486	24,740	3,423	1,285	1,200
1981.....	36,052	17,004	17,780	770	518	36,052	4,652	25,619	3,411	1,215	1,155
1982, est.....	36,874	17,278	18,426	784	506	36,874	4,778	26,663	3,319	1,122	1,062

¹ Nonprofit institutions.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual.

**No. 1012. RESEARCH AND DEVELOPMENT (R AND D) FUNDS, BY PERFORMANCE SECTOR AND
SOURCE: 1965 TO 1982**

[In millions of dollars, except percent. Data primarily on calendar year basis—calendar year data for industry and other nonprofit institutions combined with Federal and university fiscal year data. Data refer, in general, to natural sciences including engineering, and to social sciences in all but industry sector. Excludes capital expenditures data. Expenditures at associated federally funded research and development centers administered by industry and other nonprofit institutions included in totals of respective sectors. See also *Historical Statistics, Colonial Times to 1970*, series W 106-125]

PERFORMANCE SECTOR AND SOURCE OF FUNDS	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982, est.
Total R & D ¹	28,044	26,134	35,213	39,016	42,982	48,295	54,984	62,222	68,799	77,266
In 1972 dollars	28,896	26,613	28,204	29,559	30,695	32,182	33,782	35,114	36,052	36,974
Percent Federal as source	64.9	57.0	51.4	51.0	50.5	49.7	49.0	47.5	47.2	46.7
Percent of gross national product	2.9	2.8	2.3	2.3	2.2	2.2	2.3	2.4	2.4	2.4
Federal Government	3,093	4,079	5,354	5,769	6,105	6,920	7,584	7,929	9,000	10,000
Industry	14,185	18,067	24,187	26,997	29,928	33,385	38,147	43,879	49,600	55,700
Federal funds	7,740	7,779	8,805	9,581	10,521	11,209	12,492	13,939	15,750	17,800
Industry funds	6,445	10,288	15,382	17,436	19,407	22,156	25,655	29,940	33,850	37,900
Universities and colleges	1,474	2,335	3,409	3,727	4,070	4,621	5,354	6,049	6,600	6,950
Federal funds	1,073	1,848	2,288	2,512	2,730	3,057	3,584	4,093	4,400	4,800
Industry funds	41	61	113	123	139	170	193	236	260	275
University and college funds ²	267	481	749	808	887	1,035	1,184	1,213	1,490	1,600
Other nonprofit institutions funds ³	93	165	258	284	314	359	373	408	450	475
Universities and colleges, associated federally funded R & D centers	629	737	987	1,147	1,384	1,717	1,935	2,235	2,350	2,350
Other nonprofit institutions	653	916	1,275	1,376	1,485	1,672	1,984	2,130	2,240	2,285
Federal funds	477	649	875	925	987	1,100	1,350	1,380	1,410	1,375
Industry funds	62	95	125	135	150	165	180	225	275	325
Other ⁴	124	172	275	316	358	407	454	525	555	585
Total research, basic and applied	6,884	8,388	12,471	14,021	15,395	17,332	19,615	22,011	24,020	25,865
In 1972 dollars	9,234	10,160	10,036	10,831	10,916	11,488	12,048	12,431	12,409	12,377
Percent Federal as source	62.9	60.1	58.8	58.8	56.2	56.1	55.6	54.5	53.0	52.0
Federal Government	1,354	1,904	2,464	2,879	2,958	3,221	3,482	3,686	3,875	4,200
Industry	3,250	4,029	5,300	5,931	6,567	7,335	8,375	9,685	10,800	11,950
Federal funds	1,224	1,207	1,287	1,385	1,541	1,680	1,820	2,090	2,225	2,450
Industry funds	2,026	2,822	4,013	4,546	5,026	5,655	6,555	7,595	8,575	9,500
Universities and colleges	1,417	2,223	3,281	3,563	3,870	4,385	5,070	5,706	6,225	6,545
Federal funds	1,036	1,564	2,210	2,425	2,618	2,935	3,434	3,885	4,175	4,360
Industry funds	39	56	106	114	125	155	177	215	235	250
University and college funds ²	252	448	702	758	829	957	1,109	1,223	1,390	1,496
Other nonprofit institutions funds ³	90	155	243	268	298	338	350	383	425	450
Universities and colleges, associated federally funded R & D centers	412	485	573	656	667	1,116	1,298	1,474	1,550	1,575
Other nonprofit institutions	461	626	873	952	1,043	1,175	1,390	1,480	1,570	1,615
Federal funds	307	409	545	595	635	720	880	885	910	890
Industry funds	50	77	103	112	123	135	145	180	220	260
Other ⁴	104	142	225	255	285	320	365	415	440	465
Total basic research	2,655	3,549	4,619	4,967	5,550	6,389	7,280	8,071	8,808	9,330
In 1972 dollars	3,416	3,695	3,735	3,784	3,952	4,266	4,480	4,582	4,549	4,459
Percent of total R & D	12.7	13.6	13.1	12.6	12.9	13.2	13.2	13.0	12.6	12.1
Percent Federal as source	70.8	70.1	68.2	69.1	69.1	69.8	69.6	68.7	67.9	66.7
Federal Government	384	577	745	797	825	1,040	1,100	1,193	1,300	1,425
Industry	592	602	730	819	911	1,035	1,155	1,325	1,475	1,650
Federal funds	186	156	167	165	210	250	265	300	325	350
Industry funds	406	444	573	654	701	785	890	1,025	1,150	1,300
Universities and colleges	1,188	1,796	2,410	2,548	2,802	3,172	3,807	4,019	4,365	4,580
Federal funds	879	1,296	1,694	1,841	2,009	2,262	2,571	2,850	3,075	3,150
Industry funds	28	40	72	71	79	99	113	135	150	160
University and college funds ²	164	350	478	474	526	603	707	799	900	975
Other nonprofit institutions funds ³	89	110	165	162	188	208	216	235	260	275
Universities and colleges, associated federally funded R & D centers	208	289	309	359	402	567	718	774	825	850
Other nonprofit institutions	253	305	425	464	510	585	680	760	820	845
Federal funds	172	189	245	265	290	335	400	430	455	445
Industry funds	29	44	50	54	70	80	85	105	130	155
Other ⁴	52	72	120	135	150	170	195	225	235	245
Total development	13,186	16,886	22,742	24,986	27,577	31,083	36,379	40,211	45,770	51,408
In 1972 dollars	17,862	18,453	18,168	18,928	19,779	20,704	21,734	22,863	23,643	24,597
Percent of total R & D	65.6	64.5	64.6	64.1	64.4	64.3	64.3	64.6	66.6	66.5
Percent Federal as source	66.0	55.3	48.5	47.8	47.4	48.1	45.3	43.7	44.1	44.1

¹Basic research, applied research, and development. ²Based on 2d qtr GNP. ³Includes State and local government funds received by these institutions and used for research and development. ⁴Includes estimates for independent nonprofit hospitals and voluntary health agencies.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual.

NO. 1013. FEDERAL FUNDING FOR RESEARCH AND DEVELOPMENT, BY BUDGET FUNCTION: 1973 TO 1982

[In millions of dollars. For years ending June 30 except, beginning 1977 ending Sept. 30. Excludes R&D plant. For any given year, obligations differ from expenditures (see table 1015) because not all funds are expended during year obligated. Data for 1973-77 are shown in obligations, and for 1978-82 are shown in budget authority. See *Historical Statistics, Colonial Times to 1972*, series W 126, for total obligations]

FUNCTION	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, est.
Total.....	16,808	17,418	19,039	20,790	23,983	26,516	29,041	31,823	36,547	38,701
National defense.....	9,002	9,016	9,879	10,430	11,864	12,699	13,791	14,946	18,413	22,025
Space research and technology.....	2,824	2,702	2,784	3,130	3,365	3,481	3,969	4,587	4,924	5,390
Health.....	1,585	2,069	2,170	2,351	2,629	2,966	3,401	3,694	3,871	3,984
Energy.....	830	759	1,263	1,849	2,582	3,134	3,481	3,803	3,501	2,889
General science.....	858	749	813	858	974	1,050	1,119	1,233	1,340	1,367
Natural resources and environment.....	554	616	824	883	753	904	1,010	999	1,061	952
Transportation.....	572	693	835	831	706	798	798	868	870	748
Agriculture.....	308	313	342	383	457	501	552	585	659	694
Education, training, employment, and social services.....	290	236	239	255	230	345	354	468	206	200
International affairs.....	28	24	29	42	66	57	117	127	180	184
Veterans benefits and services.....	74	85	95	89	107	111	123	126	143	131
Commerce and housing credit.....	50	51	85	89	71	77	93	102	108	107
Community and regional development.....	78	82	93	109	101	82	127	119	104	83
Income security.....	106	71	72	48	56	67	57	77	43	35
Administration of justice.....	33	35	44	35	30	44	47	45	34	28
General government.....	7	9	12	12	13	20	23	22	22	23

Source: U.S. National Science Foundation, *Federal R&D Funding by Budget Function*, annual.

NO. 1014. FEDERAL OBLIGATIONS FOR RESEARCH, BY FIELD OF SCIENCE: 1973 TO 1982

[In millions of dollars. For years ending June 30 except, beginning 1977, ending Sept. 30. See headnote table 1013]

ITEM	1973	1974	1975	1976	1977	1978	1979	1980	1981, est.	1982, est.
Research, total.....	8,581	8,175	8,730	7,818	8,514	9,807	10,536	11,567	12,369	13,534
Basic.....	2,241	2,398	2,800	2,779	3,269	3,711	4,206	4,668	5,037	5,551
Applied.....	3,340	3,777	4,129	4,841	5,245	5,886	6,329	6,909	7,323	7,983
Life sciences.....	1,931	2,265	2,455	2,650	3,008	3,427	3,848	4,192	4,436	4,714
Engineering.....	1,371	1,584	1,718	2,069	2,113	2,405	2,572	2,830	3,027	3,378
Physical sciences.....	982	1,016	1,097	1,269	1,530	1,848	1,793	2,001	2,234	2,644
Environmental sciences.....	581	636	727	789	908	1,025	1,101	1,261	1,276	1,377
Social sciences.....	299	282	302	392	426	489	527	524	517	485
Mathematics and computer sciences.....	115	114	125	158	198	216	210	241	284	322
Psychology.....	110	133	139	144	155	183	197	199	208	225
Other sciences.....	194	154	167	179	179	208	287	350	379	387

Source: U.S. National Science Foundation, *Federal Funds for Research and Development*, annual.

NO. 1015. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: 1972 TO 1982

[In millions of dollars except percent. For years ending June 30 except, beginning 1977, ending Sept. 30. See headnote, table 1013. See *Historical Statistics, Colonial Times to 1972*, series W 142, for total R & D expenditures]

AGENCY	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981, est.	1982, est.
Total.....	15,486	16,885	17,418	19,039	20,790	23,983	26,516	29,076	31,880	36,380	40,882
Departments:											
Agriculture.....	350	367	379	420	462	547	621	693	698	770	860
Commerce.....	187	191	181	215	229	245	284	309	343	337	288
Defense.....	8,318	8,404	8,420	9,012	9,655	10,983	11,564	12,506	13,991	16,864	21,523
Percent of total.....	50.4	50.0	48.4	47.3	46.5	45.7	43.8	43.2	44.1	47.7	53.0
Energy ¹	1,298	1,363	1,469	2,047	2,484	3,536	4,245	4,639	4,754	4,927	4,690
HHS ²	1,751	1,838	2,290	2,397	2,584	2,823	3,207	3,505	3,780	3,906	4,169
Interior.....	219	244	192	303	333	315	359	408	411	423	388
Transportation.....	311	311	370	312	295	355	408	370	381	389	404
Agencies:											
EPA ³	122	181	169	258	259	295	385	410	345	383	303
NASA ⁴	3,157	3,081	3,002	3,084	3,447	3,709	3,875	4,411	5,084	5,408	6,017
NSF ⁵	485	480	558	895	809	897	748	606	582	637	1,000
Other depts. and agencies.....	328	362	351	416	443	505	701	951	1,052	1,027	860

¹Prior to 1974, Atomic Energy Commission; 1974-1976 Energy Research and Development Administration. ²Health and Human Services beginning 1978; prior to then, Health, Education, and Welfare. ³Environmental Protection Agency. ⁴National Aeronautics and Space Administration. ⁵National Science Foundation.

Source: U.S. National Science Foundation, *Federal Funds for Research and Development*, annual.

**NO. 1016. FUNDS FOR PERFORMANCE OF INDUSTRIAL RESEARCH AND DEVELOPMENT, BY INDUSTRY,
1965 TO 1980, AND BY SOURCE OF FUNDS, 1980**

[In millions of dollars. Covers basic research, applied research, and development. See also *Historical Statistics, Colonial Times to 1970*, series W 144-160]

INDUSTRY	1965	1970	1975	1977	1978	1979	1980		
							Total	Federal Govt.	Private industry
Total ¹	14,186	18,087	24,187	28,828	33,366	38,147	43,879	13,898	29,948
Aircraft and missiles	5,140	5,219	5,713	7,104	7,880	8,290	9,626	6,886	2,730
Electrical equipment and communication	3,200	4,220	5,105	5,937	6,612	4,827	8,137	3,723	5,414
Machinery	1,085	1,729	3,186	3,967	4,460	5,131	6,076	855	5,221
Motor vehicles, transportation equipment	1,230	1,501	2,430	3,444	3,989	4,575	4,986	(NA)	(NA)
Chemicals and allied products	1,356	1,773	2,727	3,258	3,564	4,033	4,606	407	4,201
Professional and scientific instruments	403	744	1,173	1,467	1,758	2,054	2,270	131	2,139
Petroleum refining and extraction	397	515	693	918	1,080	1,275	1,565	151	1,414
Primary metals	213	275	443	534	549	613	683	38	645
Rubber products	162	276	467	491	488	571	646	(NA)	(NA)
Fabricated metal products	145	207	324	394	396	479	588	53	535
Food and kindred products	157	230	335	395	429	459	517	(NA)	(NA)
Paper and allied products	94	176	249	336	381	454	506	(NA)	(NA)
Stone, clay, and glass products	112	167	233	287	321	352	401	(NA)	(NA)

NA Not available. ¹Includes industries not available separately. ²Excludes transportation equipment.

Source: U.S. National Science Foundation, *Research and Development in Industry*, annual.

NO. 1017. COMPANIES PERFORMING RESEARCH AND DEVELOPMENT—SELECTED DATA, BY INDUSTRY GROUP: 1970 TO 1980

Industry code ¹	INDUSTRY GROUP	R AND D FUNDS (mil. dol.)			RATIO OF NET SALES TO R AND D ²			R AND D SCIENTISTS/ENGINEERS ³ (1,000)		
		1970	1975	1980	1970	1975	1980	1970	1975	1980
(x)	Total ⁴	18,067	24,187	43,879	3.7	3.1	3.1	364.2	263.3	446.8
20	Food and kindred products	230	335	517	.4	.4	.4	5.3	6.8	7.2
26	Paper and allied products	178	249	508	.9	.9	1.1	5.0	5.0	7.6
28	Chemicals and allied products	1,773	2,727	4,606	3.9	3.7	3.5	40.1	45.2	50.0
29	Petroleum refining and extraction	515	693	1,565	1.0	.7	.8	9.9	8.4	11.0
30	Rubber products	276	467	646	2.3	2.5	2.2	7.4	8.4	(NA)
32	Stone, clay and glass products	167	233	401	1.8	1.2	1.3	4.6	4.5	5.4
33	Primary metals	275	443	693	.8	.8	.6	6.5	6.3	8.8
34	Fabricated metal products and ordinance	207	324	588	1.2	1.2	1.3	5.9	7.4	8.8
35	Machinery	1,729	3,186	6,076	4.0	4.6	5.6	42.3	52.8	63.8
36	Electrical equipment and communication	4,220	5,105	9,137	7.3	6.5	6.5	100.6	62.6	87.4
37	Transportation	6,810	8,143	14,624	8.6	6.8	(NA)	117.7	95.4	122.7
38	Professional and scientific instruments	744	1,173	2,270	5.7	5.9	6.0	15.0	17.9	27.3

NA Not available. X Not applicable. ¹Standard Industrial Classification Code; see text, p. 754. ²Excludes nonmanufacturing industries. ³As of January. ⁴Includes breakdown not shown separately.

Source: U.S. National Science Foundation, *Research and Development in Industry*, annual.

NO. 1018. FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES: 1965 TO 1980

[In millions of dollars, except percent. For years ending June 30 except, beginning 1977, ending Sept. 30. Minus sign (—) denotes decrease]

ITEM	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total Federal obligations	2,305	3,237	4,146	3,839	4,480	4,547	5,403	5,490	7,472	7,804	8,320
Annual percent change	41.9	-8.5	18.5	7.4	16.7	1.5	18.8	20.1	15.1	1.8	6.4
Academic science/engineering obligations	1,816	2,188	2,598	2,464	2,737	2,806	2,960	3,351	3,960	4,473	4,825
Percent of total	78.8	67.6	62.7	64.2	61.1	61.7	54.8	51.6	53.0	58.8	58.0
Research and development	1,095	1,447	1,853	1,871	2,085	2,239	2,423	2,789	3,364	3,847	4,155
Research and development plant	126	45	37	43	29	45	24	36	34	32	39
Other science/engineering activities	595	696	708	550	623	522	513	526	561	594	632
Nonscience activities	489	1,049	1,548	1,375	1,743	1,741	2,443	3,138	3,512	3,131	3,495

¹For 1965, change from 1964; for 1970, change from 1969; for 1972, change from 1971.

Source: U.S. National Science Foundation, *Survey of Federal Support to Universities, Colleges, and Selected Nonprofit Institutions*, annual.

**NO. 1019. NOBEL PRIZE LAUREATES IN CHEMISTRY, PHYSICS, AND PHYSIOLOGY/MEDICINE—
SELECTED COUNTRIES: 1901 TO 1981**

(Presented by location of award-winning research and by date of award)

COUNTRY	1901- 1901, total	1901- 1915	1915- 1939	1939- 1945	1945- 1959	1959- 1975	1975- 1981	1901-1981		
								Phys- ics	Chem- istry	Physiology/ Medicine
Total	289	52	41	48	74	82	42	139	99	132
United States	129	3	3	14	39	42	29	47	25	57
United Kingdom	64	7	8	11	14	20	4	21	23	20
Germany, Fed. Rep. of ¹	51	15	12	11	4	8	1	14	25	12
France	21	10	3	2	-	5	1	9	6	7
Soviet Union	19	2	-	-	4	3	1	7	1	2
Other countries	75	15	15	11	14	14	6	23	19	34

- Represents zero. ¹ Includes East Germany before 1949.

Source: U.S. National Science Foundation, *Science Indicators*, 1982; and unpublished data.

**NO. 1020. NATIONAL RESEARCH AND DEVELOPMENT EXPENDITURES AS A PERCENT OF GROSS
NATIONAL PRODUCT, BY COUNTRY: 1965 TO 1981**

YEAR	United States	France	Ger- many, Fed. Rep.	Japan	United King- dom	Soviet Union	YEAR	United States	France	Ger- many, Fed. Rep.	Japan	United King- dom	Soviet Union
1965	2.80	2.01	1.73	1.52	(NA)	2.85	1974	2.29	1.79	2.28	1.97	(NA)	3.64
1966	2.89	2.06	1.81	1.48	2.31	2.86	1975	2.27	1.80	2.38	1.96	2.05	3.69
1967	2.89	2.12	1.87	1.62	2.29	2.91	1976	2.27	1.77	2.29	1.85	(NA)	3.55
1968	2.82	2.08	1.87	1.80	2.25	(NA)	1977	2.24	1.76	2.31	1.93	(NA)	3.46
1969	2.72	1.84	2.06	1.84	2.22	3.03	1978	2.24	1.78	2.31	1.96	2.13	3.47
1970	2.63	1.91	2.18	1.81	(NA)	3.23	1979	2.26	(NA)	2.34	2.08	(NA)	3.44
1971	2.48	1.80	2.38	1.85	(NA)	3.29	1980	2.37	1.84	2.32	2.23	(NA)	3.47
1972	2.40	1.85	2.39	1.88	2.05	3.58	1981	2.38	(NA)	(NA)	(NA)	(NA)	(NA)
1973	2.32	1.76	2.22	1.90	(NA)	3.65							

NA: Not available.

Source: U.S. National Science Foundation, *Science Indicators*, 1982; and unpublished data.

**NO. 1021. RESEARCH AND DEVELOPMENT EXPENDITURES IN SCIENCE AND ENGINEERING AT
UNIVERSITIES AND COLLEGES: 1970 TO 1980**

(In millions of dollars. Estimates for nonrespondents account for less than 7 percent of the total)

CHARACTERISTIC	1970	1975	1979	1980	CHARACTERISTIC	1970	1975	1979	1980
Total	2,336	3,499	5,354	6,049	Field:				
in 1972 dollars ¹	2,584	2,789	3,289	3,423	Life sciences	1,194	1,901	2,826	3,211
Basic research	1,796	2,409	3,807	4,019	Engineering	319	381	768	893
Applied research and develop	539	989	1,747	2,031	Physical sciences	307	350	803	890
Source of funds:					Environmental sciences	125	255	451	508
All Governments	1,867	2,620	4,063	4,585	Social sciences and other	258	356	428	487
Institutions own funds	243	417	725	821	Mathematics and computer				
Industry	61	113	193	236	sciences	72	85	176	192
Other	165	259	373	408	Psychology	59	80	100	111

¹ Based on GNP implicit price deflator, see text, p. 415.

Source: U.S. National Science Foundation, *Survey of Scientific and Engineering Expenditures at Universities and Colleges*, annual.

NO. 1022. SCIENTISTS AND ENGINEERS EMPLOYED IN RESEARCH AND DEVELOPMENT: 1961 TO 1982

(In thousands of full-time equivalent employees. Yearly averages for industry sector only. Excludes those employed by State and local government agencies, except as noted. DOD=Dept. of Defense)

SECTOR	1961	1965	1970	1975	1977	1978	1979	1980	1981 ¹	1982 ¹
Total	425.7	494.5	546.8	532.7	570.3	596.3	621.0	647.2	673.8	696.9
Industry (incl. social scientists) ²	312.0	348.4	375.8	383.8	393.2	413.4	434.9	458.4	482.0	505.0
Universities and colleges, total	42.4	53.4	68.5	69.8	74.4	78.5	77.8	79.1	81.1	83.0
Scientists and engineers	33.8	40.4	50.3	51.2	54.4	55.9	56.1	56.4	57.2	58.1
Graduate students	8.8	13.0	18.2	18.6	20.0	20.6	21.7	22.7	23.9	24.9
Federal Government (incl. DOD)	51.1	61.8	69.8	63.4	64.7	66.3	68.7	67.0	67.0	68.9
University-associated federally funded R & D centers	9.1	11.1	11.5	12.7	14.0	14.1	14.1	15.2	15.4	15.9
Other nonprofit institutions ^{2,3}	11.1	19.9	21.2	23.0	24.0	25.0	27.5	27.5	27.5	28.1

¹ Estimated. ² Includes professional R & D personnel employed at FFRDC's administered by industry and other nonprofit institutions. ³ Includes estimate for R&D scientists and engineers employed in State-affiliated institutions.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual.

NO. 1023. SCIENTISTS AND ENGINEERS, BY FIELD, EMPLOYMENT STATUS, AND SEX: 1976 TO 1980

[In thousands, except percent. Represents the total science and engineering population in the United States]

FIELD	1976			1979			1980			
	Total		In labor force	Total		In labor force	Total		In labor force	Out-side labor force ¹
	Num-ber	Per-cent female		Num-ber	Per-cent female		Num-ber	Per-cent female		
Total, all fields.....	2,706	9.2	2,452	2,741	9.7	2,506	2,964	11.7	2,780	244
Engineers, total	1,375	.6	1,266	1,396	1.6	1,285	1,477	2.4	1,369	106
Scientists, total	1,330	18.2	1,164	1,345	18.2	1,223	1,487	21.0	1,351	136
Life scientists	314	19.4	266	326	22.0	296	412	22.2	375	37
Physical scientists	281	9.4	237	255	8.9	217	260	11.5	217	43
Computer scientists	160	20.2	173	238	18.0	235	299	21.5	296	4
Social scientists	237	24.5	211	205	20.6	189	192	26.0	174	17
Psychologists	123	25.0	106	132	27.3	123	130	36.3	119	10
Mathematical scientists	110	20.8	92	108	18.4	90	96	18.7	82	16
Environmental scientists	66	7.5	77	81	10.6	74	96	11.8	88	9

¹ Includes those not employed or not seeking employment, such as retirees.Source: National Science Foundation, *U.S. Scientists and Engineers*, annual.**NO. 1024. CHARACTERISTICS OF SCIENTISTS AND ENGINEERS: 1980**

[Percent distribution, except as indicated. Represents the total science and engineering population in the United States]

CHARACTERISTIC	Total	Engi-neers	Physical scien-tists	Math-ematical	Computer special-ists	Environ-mental scientists	Life scien-tists	Psy-chol-ogists	Social scien-tists
Total (1,000).....	2,964	1,477	260	96	260	96	412	130	192
Male	88.3	97.6	88.5	81.3	78.5	86.2	77.8	63.7	74.0
Female	11.7	2.4	11.5	18.7	21.5	11.8	22.2	36.3	26.0
Highest degree:									
Doctorate	11.8	3.7	26.1	17.3	2.3	16.5	22.1	32.8	26.7
Master's	26.0	19.7	23.7	61.4	26.4	36.4	36.5	57.1	40.2
Bachelor's	56.1	72.6	50.1	21.2	71.1	45.0	41.1	10.0	31.1
Other	2.1	4.0	.1	.1	.1	.1	.2	(B)	.1
Type of employer:									
Business, industry	62.1	78.2	54.5	39.1	74.9	50.3	31.2	24.8	31.1
Educational institutions	15.2	4.0	27.1	39.4	7.5	19.0	32.2	44.5	32.9
Nonprofit organizations	3.2	1.3	3.3	3.3	4.3	2.1	5.8	9.4	8.9
Federal Government	8.3	6.9	7.9	10.9	6.0	16.9	14.2	3.1	9.8
Military .....	.9	1.0	.6	.9	1.2	1.8	.5	1.6	.3
Other government	7.9	6.7	4.6	5.3	4.4	9.2	11.4	11.8	17.7
Other	2.3	1.9	2.0	1.1	1.8	1.0	4.6	4.7	1.5

B Base figure too small to meet statistical standards for reliability of derived figure.

Source: U.S. National Science Foundation, *U.S. Scientists and Engineers: 1980* (NSF 82-314).**NO. 1025. RESEARCH AND DEVELOPMENT SCIENTISTS AND ENGINEERS—AVERAGE FULL-TIME-EQUIVALENT EMPLOYMENT AND COST, BY INDUSTRY: 1970 TO 1980**[In thousands. Data are estimates; for 1970 on man-years basis; thereafter, on average full-time-equivalent (FTE) basis. See *Historical Statistics, Colonial Times to 1970*, series W 167, for total cost per scientist or engineer]

INDUSTRY	1970	1971	1973	1973	1974	1975	1979	1977	1979	1979	1980
Average FTE of scientists and engineers.....	375.6	358.7	355.6	358.1	356.9	363.8	372.2	393.2	413.6	434.9	458.4
Chemicals ¹	41.4	41.8	41.3	41.4	42.4	44.8	45.4	47.2	48.5	49.6	51.4
Machinery	42.5	40.7	41.9	43.7	44.0	54.2	56.1	56.8	59.8	62.7	64.5
Electrical equipment ²	96.2	69.0	90.5	93.8	92.4	81.4	82.2	64.9	86.7	92.6	101.7
Motor vehicle ³	26.8	26.5	29.4	26.9	27.6	27.5	27.9	31.4	33.8	33.7	32.4
Aircraft and missiles	65.2	75.1	72.1	70.6	68.6	67.2	68.2	77.0	64.2	66.7	91.5
Other industries	83.5	64.6	80.4	79.7	81.7	88.7	92.2	95.9	100.6	109.6	116.9
Cost per scientist or engineer (dol.).....	48.1	58.4	54.8	58.4	62.7	66.5	71.3	76.1	78.8	87.7	95.7
Chemicals ¹	42.8	43.3	46.3	50.3	55.7	60.9	66.5	69.1	73.9	61.4	89.6
Machinery	40.7	43.5	46.9	49.1	56.7	56.9	60.1	69.9	74.9	81.9	94.2
Electrical equipment ²	43.9	49.5	54.7	56.9	59.3	62.7	66.5	69.9	76.3	85.7	89.9
Motor vehicle ³	59.6	61.4	67.5	64.4	67.6	96.4	100.1	91.5	117.4	131.4	149.5
Aircraft and missiles	61.3	65.4	69.6	71.5	77.2	85.1	89.6	92.3	91.3	95.7	105.3
Other industries	42.0	41.3	45.1	48.6	52.5	55.3	50.6	63.2	69.9	(NA)	(NA)

NA Not available. ¹ Includes allied products. ² Includes communication. ³ And other transport equipmentSource: U.S. National Science Foundation, *Research and Development in Industry*, annual.

**NO. 1026. EMPLOYMENT OF SCIENTISTS, ENGINEERS, AND TECHNICIANS IN PRIVATE INDUSTRY, BY
OCCUPATION AND MAJOR INDUSTRIAL SECTOR: 1980**

[In thousands. As of August]

ITEM	Total	Mining ¹	Construction	Manufacturing	Transportation	Communications	Public utilities	Trade	Finance, insurance, real estate	Services
Scientists and engineers.....	1,281.9	59.2	54.1	664.7	7.9	43.2	37.7	71.7	30.7	283.8
Scientists	320.4	23.3	1.4	123.3	2.7	4.6	5.3	28.0	32.1	98.9
Physical scientists	107.1	18.5	(2)	61.8	.4	(2)	1.5	11	(2)	22.7
Life scientists	23.3	(2)	(2)	13.3	(2)	(2)	(2)	.5	(2)	9.5
Mathematical scientists	29.6	7	(2)	8.8	1	.4	(2)	7	6.4	10.4
Social scientists	13.6	(2)	(2)	2.8	(2)	1	(2)	.4	1.5	8.7
Psychologists	2.8	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	2.8
Computer specialists	144.2	3.1	1.4	36.5	2.2	4.0	3.7	25.3	22.2	45.9
Engineers²	960.6	27.0	52.7	571.4	5.2	37.7	32.5	43.7	6.6	163.9
Civil engineers	100.0	1.1	19.8	4.8	(2)	.8	2.4	16.7	(2)	54.8
Electrical/electronics eng.	286.6	.6	8.2	170.8	.6	20.7	15.5	18.1	(2)	48.4
Mechanical engineers	179.7	1.2	13.9	113.6	.9	7	5.4	2.0	(2)	36.0
Technicians.....	1,233.3	38.2	63.9	653.5	16.2	32.2	44.4	128.1	30.7	348.2
Engineering technicians ²	654.3	18.1	49.9	374.7	4.8	20.7	34.7	93.9	2.9	248.8
Drafters	262.1	6.7	24.8	111.8	.2	4.8	7.0	5.5	1.7	119.5
Electrical/electronic tech	306.4	1.5	16.2	123.8	2.0	16.8	11.4	86.9	(2)	47.8
Science technicians	99.9	3.6	(2)	70.7	.4	(2)	1.4	1.7	(2)	22.2
Computer programmers	179.3	2.1	1.4	55.4	5.0	4.2	3.7	18.6	27.6	61.2
All other technicians	99.7	2.4	2.7	52.8	6.2	1.1	4.6	13.9	(2)	16.0

2 Fewer than 50. ¹Includes oil and gas extraction. ²Includes engineers and technicians not shown separately.

Source: U.S. National Science Foundation and U.S. Bureau of Labor Statistics, unpublished data.

**NO. 1027. SCIENTISTS AND ENGINEERS—EMPLOYMENT IN INSTITUTIONS OF HIGHER EDUCATION, BY
FIELD: 1965 TO 1981**

[In thousands. As of January. Includes full-time and part-time personnel. Excludes graduate students who receive stipends for part-time services as scientists or engineers. R and D—research and development]

FIELD	1965	1975	1980	1981	FIELD	1965	1975	1980	1981
Total	188.9	291.4	336.1	348.7	Math. and computer sciences	13.7	29.5	38.0	36.9
Universities, colleges	178.9	278.9	324.1	333.4	Life scientists	75.8	113.5	133.6	137.2
Teaching staff	122.0	215.0	(NA)	(NA)	Agricultural	13.5	14.3	15.9	15.9
Engineers ¹	21.7	27.9	33.7	34.8	Biological	24.3	38.2	44.8	46.3
Civil	3.1	4.9	5.5	5.7	Medical	36.0	61.0	67.1	68.5
Electrical	5.5	6.8	6.2	6.6	Psychologists	9.4	21.6	23.3	23.3
Mechanical	4.1	5.3	6.1	6.3	Social scientists	32.9	48.7	54.1	55.1
Physical and environmental science ¹	25.6	36.7	43.4	44.1	Federally funded R & D centers	11.0	12.5	15.1	15.3
Chemists	10.7	16.1	17.6	18.1	Engineers	5.0	5.9	6.5	6.6
Earth scientists	4.0	6.0	6.6	6.6	Scientists	6.0	6.6	6.6	6.7
Physicists	9.1	12.3	13.0	12.9					

NA Not available. ¹Includes other breakdown not shown separately.

Source: U.S. National Science Foundation, *Academic Science Scientists and Engineers*, annual.

**NO. 1028. PROFESSIONAL SCIENTIFIC, ENGINEERING, AND TECHNICAL PERSONNEL IN THE FEDERAL
GOVERNMENT, BY OCCUPATIONAL GROUP: 1970 TO 1980**

[In thousands, except percent. As of October]

OCCUPATIONAL GROUP	1970	1975	1977	1978	1979	1980	PERCENT FEMALE					
							1970	1975	1977	1978	1979	1980
Total	206.2	221.9	226.2	236.7	174.7	178.0	16.4	19.7	20.8	21.6	6.4	7.3
Scientific personnel	77.2	77.3	81.4	84.8	66.0	68.4	8.0	8.8	9.8	10.7	11.5	12.8
Physical sciences	29.8	27.1	27.1	27.5	27.6	27.6	8.4	6.8	7.3	7.9	8.4	9.5
Mathematics and statistics	8.6	10.0	10.6	11.2	11.4	11.6	17.4	15.9	16.7	17.6	16.5	19.9
Life sciences	26.9	26.4	26.3	29.3	29.5	30.5	4.1	5.1	6.1	6.6	7.5	8.7
Social sciences	6.8	8.0	9.1	9.4	10.3	10.5	16.2	17.6	19.9	21.8	22.2	23.3
Geography and cartography	3.3	2.9	3.3	3.6	4.1	4.9	8.5	7.9	9.2	9.8	11.9	14.8
Psychology	2.2	2.9	3.0	3.2	3.2	3.3	13.7	14.6	15.1	16.0	16.7	16.8
Engineering personnel	83.0	86.6	87.8	89.2	88.6	89.6	.5	7	9	11	1.3	1.9
Health professional personnel	46.0	56.0	59.9	62.0	(NA)	(NA)	59.2	62.7	65.1	65.0	(NA)	(NA)
Health officers	13.0	13.4	11.7	12.1	(NA)	(NA)	5.5	7.8	9.8	10.6	(NA)	(NA)

NA Not available. ¹Excludes health professional personnel. ²Includes community planning.

Source: U.S. National Science Foundation, Compiled from data supplied by the U.S. Office of Personnel Management.

NO. 1029. GRADUATE SCIENCE AND ENGINEERING STUDENTS IN DOCTORATE-GRANTING INSTITUTIONS, BY FIELD, ENROLLMENT STATUS, AND LEVEL OF STUDY: 1975 TO 1980

(In thousands. As of fall. Includes outlying areas)

FIELD OF SCIENCE	TOTAL STUDENTS ENROLLED FULL TIME			TOTAL STUDENTS ENROLLED PART TIME			FULL-TIME STUDENTS, FIRST-YEAR			FULL-TIME STUDENTS, BEYOND FIRST-YEAR		
	1975	1979	1980	1975	1979	1980	1975	1979	1980	1975	1979	1980
Total	210.3	223.4	230.6	83.3	97.1	103.1	78.2	73.0	77.4	131.2	150.4	153.2
Engineering	37.1	39.8	42.5	27.5	29.0	29.8	18.5	14.8	16.0	20.7	25.1	26.5
Physical sciences	21.3	21.8	22.3	3.2	3.1	3.2	6.0	5.4	5.7	15.3	16.3	16.5
Environmental sciences	8.9	9.9	10.0	2.0	2.3	2.3	3.2	3.1	3.2	5.7	6.8	6.8
Mathematical/computer sciences	14.2	14.2	15.3	7.2	8.4	9.7	5.4	4.8	5.5	8.7	9.4	9.6
Life sciences	58.6	66.6	67.7	14.0	21.1	23.0	23.3	22.1	23.0	36.3	44.5	44.7
Psychology	19.7	20.7	21.5	7.2	7.2	7.8	5.7	5.5	5.7	13.9	15.2	15.6
Social sciences	48.5	50.4	51.3	22.3	26.0	27.3	19.0	17.5	18.3	30.5	33.0	33.1

 Source: U.S. National Science Foundation, *Survey of Graduate Science Students and Postdoctorates*, annual.

NO. 1030. DEGREES CONFERRED, BY RECIPIENTS' CHARACTERISTICS, 1970 TO 1981, AND BY SELECTED FIELDS, 1981

CHARACTERISTIC	ALL FIELDS				1981					
	1970	1975	1979	1980	Total ¹	Physical sciences ²	Engineering	Biological sciences ³	Psychology	Social sciences ⁴
Doctorate conferred	29,475	32,813	31,200	30,982	31,319	4,188	2,528	3,397	3,357	2,475
Percent with master's degree	78.8	81.3	81.2	80.9	80.6	59.3	89.4	60.7	81.4	84.8
Percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Male	86.5	78.1	71.4	69.7	69.5	88.0	96.1	71.0	56.2	74.5
Female	13.6	21.9	28.6	30.3	31.5	12.0	3.9	29.0	43.8	25.5
White ⁵	(NA)	79.8	83.3	84.8	85.3	85.3	74.4	86.0	90.1	83.8
Black and other ⁵	(NA)	12.1	10.9	10.5	10.6	9.0	21.9	7.5	7.3	10.7
Not reported ⁵	(NA)	8.1	5.8	4.9	4.1	5.7	3.7	4.5	2.6	5.6
U.S. citizens	84.2	82.1	81.3	81.0	79.8	73.6	46.2	86.8	92.5	74.9
Foreign citizens	14.0	15.9	15.7	15.9	16.8	23.3	49.1	10.7	3.8	20.6
Citizenship unknown	1.6	2.0	3.0	3.1	3.6	3.1	4.7	2.6	3.7	4.6
Median age at award ⁶ (yr.)	30.7	31.5	31.9	32.2	32.4	29.1	30.5	29.5	31.4	32.6
Median total time, ⁷ baccalaureate to doctorate (yr.)	7.9	8.8	9.0	9.3	9.4	6.8	7.9	7.0	8.4	9.6
Registered time (yr.)	5.6	5.9	6.2	6.3	6.4	5.7	5.6	6.0	6.3	6.9

NA Not available. ¹Includes other fields, not shown separately. ²Astronomy, physics, chemistry, earth sciences, mathematics, and computer sciences. ³Biochemistry, botany, microbiology, physiology, zoology, and related fields. ⁴Anthropology, sociology, economics, political science, public administration, and international relations. ⁵1970-1981 data on race limited to U.S. citizens and non-U.S. citizens with permanent visas (26,893 in 1970, 26,394 in 1980, and 26,282 in 1981). ⁶For definition of median, see Guide to tabular presentation. ⁷Includes first professional degree.

Source: U.S. National Science Foundation. Data from National Research Council, *Summary Report, 1981: Doctorate Recipients from United States Universities*.

NO. 1031. SCIENCE DOCTORATES CONFERRED: 1965 TO 1981

 (Doctorates conferred, years ending June 30; enrollment as of fall term. See also *Historical Statistics, Colonial Times to 1970*, series H 767-771, 774, and 776-780)

FIELD OF SCIENCE	1965	1970	1975	1979	1977	1976	1978	1980	1981
Science doctorates conferred	16,477	17,731	18,962	17,872	17,373	17,894	17,238	17,198	17,623
Life sciences	2,530	4,163	4,402	4,350	4,266	4,361	4,486	4,710	4,783
Biological sciences	1,989	3,360	3,498	3,562	3,484	3,508	3,640	3,708	3,801
Agricultural sciences ¹	576	803	904	788	782	853	846	912	982
Physical sciences	2,866	4,400	3,749	3,572	3,410	3,234	3,321	3,151	3,208
Chemistry	1,444	2,234	1,782	1,623	1,570	1,545	1,587	1,538	1,611
Physics and astronomy	1,046	1,655	1,293	1,236	1,149	1,089	1,108	965	1,015
Earth, environmental, and marine sciences	376	511	664	714	691	622	646	628	582
Social sciences	1,361	2,629	3,344	3,278	3,137	3,008	2,862	2,794	2,767
Psychology	954	1,868	2,740	2,878	2,960	3,049	3,061	3,006	3,367
Engineering	2,073	3,432	2,969	2,791	2,641	2,423	2,484	2,479	2,589
Mathematics	696	1,222	1,140	1,003	959	959	977	989	980

¹Excludes agricultural economics, included in social sciences.

 Source: U.S. National Science Foundation. Data from National Research Council, *Doctorate Record File*.

NO. 1032. DOCTORAL SCIENTISTS AND ENGINEERS—SELECTED CHARACTERISTICS: 1975 TO 1981

(In thousands)

CHARACTERISTIC	1975	1977	1979	1981		CHARACTERISTIC	1975	1977	1979	1981	
				Num-ber	Em-ployed					Num-ber	Em-ployed
Total	270	303	332	363.8	342.9	Race					
Field:						White	242	270	293.5	322.9	304.4
Physical scientists	56.4	62.1	64.3	67.7	63.2	Black	2.6	2.8	3.7	4.6	4.3
Mathematical scientists	14.2	15.4	16.1	16.5	15.5	Asian	12.9	15.7	21.7	27.9	26.9
Computer specialists	3.5	5.8	6.6	9.1	9.0	Others and no report	13.0	14.4	13.4	6.5	7.3
Environmental scientists	12.5	13.5	15.1	16.6	16.0	Employment status					
Engineers	43.4	48.5	51.5	58.3	58.9	Full-time employed	241	267	292.9	322.3	322.3
Life scientists	70.3	78.3	86.3	93.6	88.5	Part-time employed	7.9	7.5	10.7	10.7	10.7
Psychologists	31.4	35.7	40.3	45.4	43.0	Postdoctorates	8.2	8.8	10.2	10.5	10.5
Social scientists	36.8	45.6	52.0	56.4	52.7	Unemployed/seeking	2.5	3.3	2.9	2.8	(x)
Sex:						Not employed/not seeking	2.4	2.8	3.6	3.4	(x)
Men	245	272	284.0	318.1	302.6	Retired/not employed	8.7	9.7	10.3	12.5	(x)
Women	25.6	31.7	37.9	45.7	40.9	Other	4	5	8	4	(x)
						No report	5	2.6	9	1.4	(x)

X Not applicable.

Source: U.S. National Science Foundation, *Characteristics of Doctoral Scientists and Engineers in the United States: 1979* (NSF 80-323) and unpublished data.

NO. 1033. DOCTORAL SCIENTISTS AND ENGINEERS, BY SELECTED STATES: 1981

(In thousands. Includes doctorate holders receiving their degrees between 1935 and June 1980. Selected States represent those with more than 4,000 scientists and engineers.)

STATE	Total	Natural scientists	Social scientists	Engineers	STATE	Total	Natural scientists	Social scientists	Engineers
Total	362.9	206.7	101.9	53.3	Minn	6.5	4.2	1.8	.5
Calif	44.2	22.8	12.4	9.0	Mo	6.1	3.3	1.6	1.0
Colo.	7.7	4.5	1.6	1.4	N.J.	16.0	8.6	3.2	4.2
Conn	6.7	3.8	2.1	.8	N.Y.	35.0	18.0	12.1	4.9
D.C.	12.6	5.6	5.1	1.6	N.C.	7.6	6.3	.6	.7
Fla	8.7	4.4	3.0	1.3	Ohio	14.4	7.8	4.0	2.6
Ga	5.1	3.4	1.3	.4	Pa	17.4	9.4	5.2	2.8
Ill	16.1	8.5	5.2	2.4	Tenn	6.1	3.8	1.4	.9
Ind	6.4	3.7	1.7	1.0	Tex	17.8	10.6	3.8	3.6
Ia	4.1	2.4	.9	.6	Va	9.8	5.8	2.7	1.5
Md	13.4	6.9	2.9	1.6	Wash.	7.2	3.9	2.0	1.3
Mass	16.1	8.9	4.5	2.7	Wis	6.1	3.5	1.6	.8
Mich	11.6	6.7	3.2	1.9	Others	61.0	39.6	17.6	3.6

Source: U.S. National Science Foundation, unpublished data.

NO. 1034. FEDERAL SPACE PROGRAM—BUDGET AUTHORITY, BY AGENCY: 1960 TO 1982

(In millions of dollars, except percent. Through 1978, for years ending June 30; thereafter, years ending Sept. 30. NASA = National Aeronautics and Space Administration)

YEAR	Total ¹	NASA ²		Dept. of Defense	Dept. of Commerce	Dept. of Energy ³	YEAR	Total ¹	NASA ²		Dept. of Defense	Dept. of Commerce	Dept. of Energy ³
		Total	Per-cent of total						Total	Per-cent of total			
1960	1,068	462	49.2	581	(x)	43	1972	4,575	3,071	72.3	1,407	31	55
1961	1,806	926	53.3	814	(x)	68	1973	4,825	3,063	70.6	1,623	40	54
1962	3,295	1,797	55.4	1,298	51	146	1974	4,640	2,759	65.5	1,766	60	42
1963	5,435	3,626	67.6	1,550	43	214	1975	4,914	2,915	65.7	1,992	64	30
1964	6,831	5,016	74.7	1,599	3	210	1976	5,320	3,225	66.7	1,963	72	23
1965	6,966	5,138	75.5	1,574	12	229	1977	5,983	3,440	63.8	2,412	91	22
1966	6,970	5,065	74.2	1,680		187	1978	6,509	3,623	62.4	2,729	103	34
1967	6,710	4,830	74.0	1,684		184	1979	7,419	4,030	61.9	3,211	96	59
1968	6,529	4,430	70.3	1,822		145	1980	8,689	4,680	60.3	3,648	93	40
1969	5,978	3,822	66.8	2,013		118	1981	8,978	4,992	55.3	4,826	87	41
1970	5,341	3,547	70.1	1,678	8	103	1982, est	12,041	5,462	49.3	6,387	125	38
1971	4,741	3,101	69.8	1,512	27	95							

X Not applicable. ¹ Includes agencies not shown separately. ² See footnote 1, table 1015.³ Includes outlays for the space shuttle of \$2.7 billion in 1981Source: U.S. National Aeronautics and Space Administration, *Aeronautics and Space Report of the President*, annual. Data from U.S. Office of Management and Budget.

No. 1035. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION—OUTLAYS FOR RESEARCH AND DEVELOPMENT: 1965 TO 1982

[In millions of dollars, except percent. For years ending June 30 except, beginning 1977, ending Sept. 30. Performance includes research and development, and research and program management. Space science includes technology. Minus sign (—) denotes decrease]

YEAR	Total outlays	Percent change	PERFORMANCE				FACILITIES			
			Total	Space flight	Space science, applications	Air transport and other	Total	Space flight	Space science, applications	Air transport and other
1965	5,093	¹ 22.1	4,562	3,138	1,126	298	531	401	78	52
1966	5,933	16.5	5,361	3,819	1,120	422	572	391	63	118
1967	5,426	—8.5	5,137	3,477	1,160	500	289	172	47	70
1968	4,726	—12.9	4,599	3,028	1,061	510	127	69	29	29
1969	4,252	—10.0	4,187	2,754	893	540	65	27	21	17
1970	3,753	—11.7	3,699	2,195	963	541	54	14	21	19
1971	3,382	—9.9	3,338	1,877	926	535	44	8	6	30
1972	3,423	1.2	3,373	1,727	1,111	535	50	13	7	30
1973	3,316	—3.1	3,271	1,532	1,220	519	45	5	11	29
1974	3,256	—1.8	3,181	1,448	1,156	577	75	25	12	38
1975	3,266	.3	3,181	1,500	1,076	606	85	35	9	42
1976	3,670	12.4	3,549	1,934	969	646	121	66	11	43
1977	3,945	7.5	3,840	2,195	1,002	643	105	56	4	45
1978	3,984	1.0	3,860	2,204	984	692	124	56	8	60
1979	4,187	5.0	4,054	2,175	1,144	735	133	41	9	83
1980	4,850	15.8	4,710	2,556	1,341	813	140	38	5	97
1981	5,421	11.8	5,274	3,026	1,380	868	147	26	4	117
1982, est.	5,827	7.5	5,692	3,438	1,341	913	135	24	3	106

¹ Change from 1964.
Source: U.S. Office of Management and Budget, *The Budget of the United States Government*, annual; and unpublished data.

No. 1036. SPACE VEHICLE SYSTEMS—SALES AND BACKLOG ORDERS: 1965 TO 1981

[In millions of dollars. Backlog orders as of Dec. 31. Based on data from major companies engaged in manufacture of aerospace products. Excludes engines and propulsion units]

YEAR	NET SALES			BACKLOG ORDERS			YEAR	NET SALES			BACKLOG ORDERS		
	Total	Military	Non-military	Total	Military	Non-military		Total	Military	Non-military	Total	Military	Non-military
1965	2,449	602	1,847	2,203	503	1,700	1975	2,119	1,096	1,023	1,304	1,019	285
1970	1,956	1,025	931	1,184	786	398	1976	2,002	904	1,098	1,234	902	332
1971	1,725	860	865	916	603	313	1977	1,870	814	1,056	1,589	1,263	326
1972	1,656	905	751	959	646	313	1978	2,324	1,006	1,318	2,188	1,693	495
1973	1,562	902	660	1,177	923	254	1979	2,539	1,105	1,434	1,448	909	539
1974	1,751	944	807	1,492	1,131	361	1980	3,483	1,461	2,022	1,814	951	863
							1981, prel. ..	4,014	1,680	2,334	2,179	1,165	1,014

Source: U.S. Bureau of the Census, *Current Industrial Reports*, MQ-37D, *Aerospace Industry (Sales and Orders)*.

No. 1037. SPACE PAYLOAD LAUNCHINGS: 1957 TO 1982

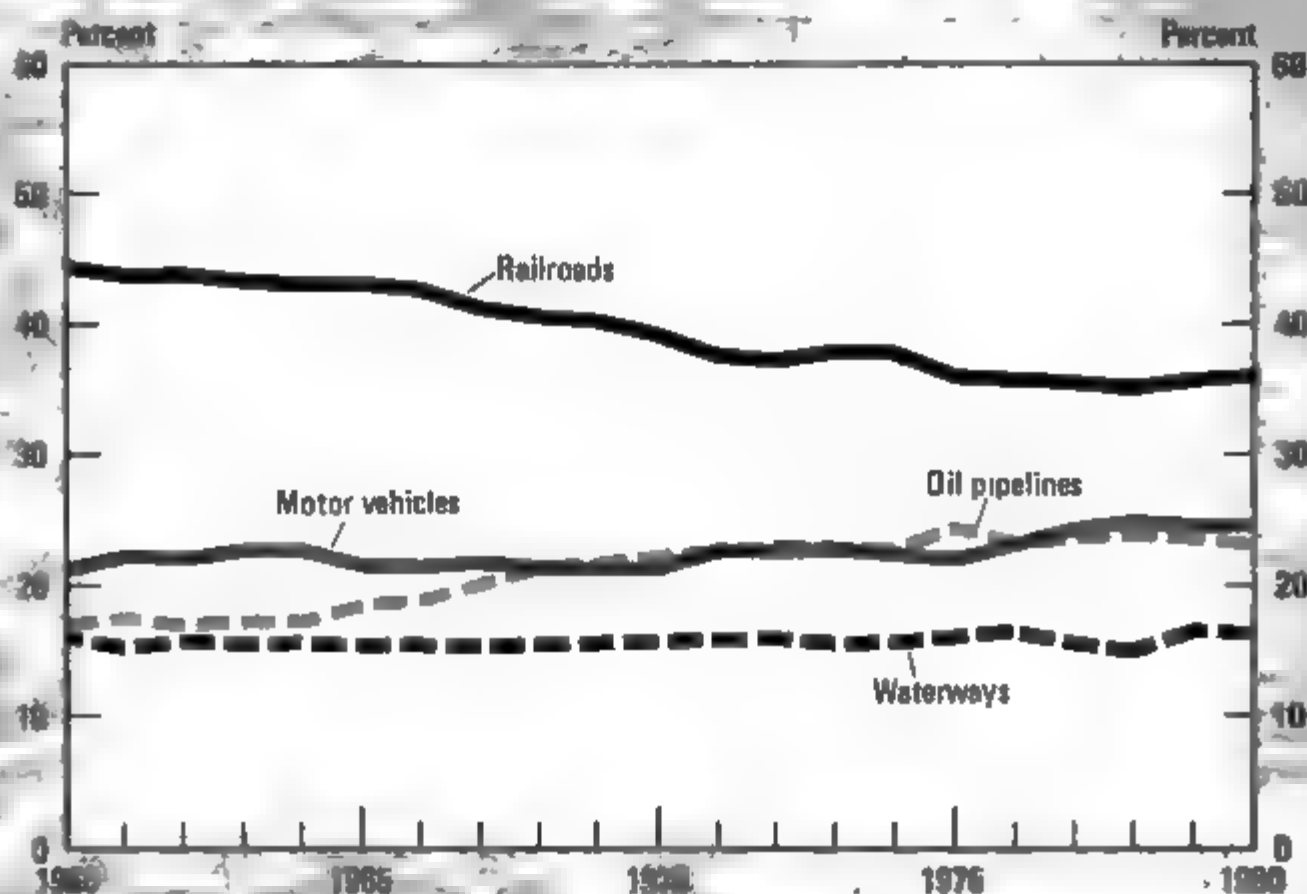
[Criterion of success is attainment of Earth orbit or Earth escape by payload]

YEAR	UNITED STATES				Soviet Union successful launchings	YEAR	UNITED STATES				Soviet Union successful launchings
	Earth orbit		Earth escape				Earth orbit		Earth escape		
	Suc-cess	Fail-ure	Suc-cess	Fail-ure			Suc-cess	Fail-ure	Suc-cess	Fail-ure	
Total.....	962	134	79	16	1,975	1969.....	58	1	8	1	80
1957.....	-	1	-	-	2	1970.....	36	1	3	-	103
1958.....	5	8	-	4	1	1971.....	45	2	8	1	114
1959.....	9	9	1	2	3	1972.....	33	2	8	-	109
1960.....	16	12	1	2	3	1973.....	23	2	3	-	130
1961.....	35	12	-	2	8	1974.....	27	2	1	-	114
1962.....	55	12	4	1	26	1975.....	30	4	4	-	140
1963.....	62	11	-	-	20	1976.....	33	-	1	-	141
1964.....	69	8	4	-	39	1977.....	27	2	2	-	125
1965.....	93	7	4	1	76	1978.....	34	2	7	-	142
1966.....	94	12	7	11	52	1979.....	18	-	-	-	126
1967.....	78	4	10	-	75	1980.....	16	4	-	-	132
1968.....	61	15	3	-	85	1981.....	16	1	-	-	98
						1982, Jan.-Apr ²	7	-	-	-	31

— Represents zero. ¹ Attained Earth orbit and included in Earth orbit success totals. ² Preliminary.
Source: Library of Congress, Congressional Research Service, Science Policy Research Division, *Space Activities of the United States, Soviet Union, and Other Launching Countries/Organizations*, February 1982, and unpublished data.

Figure 22.1

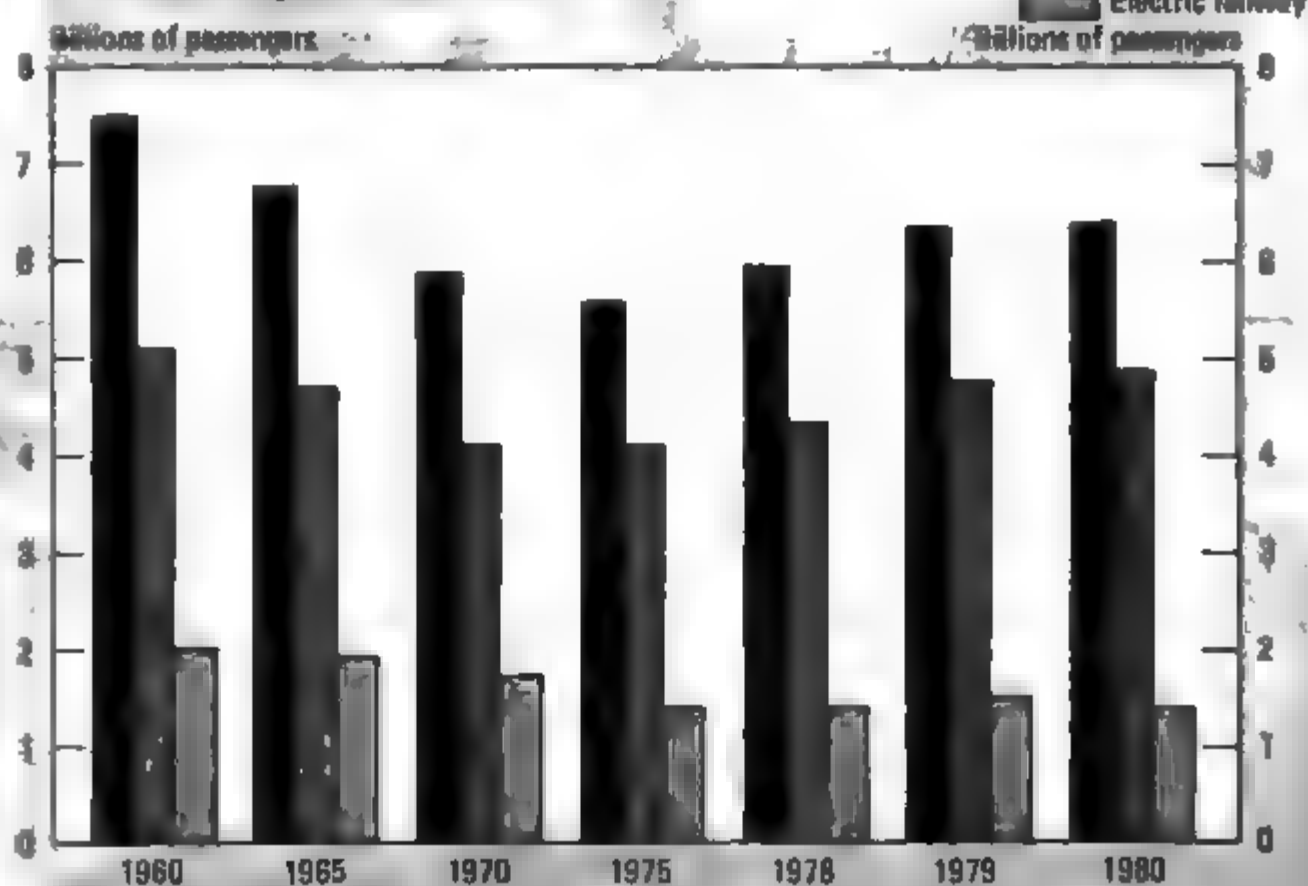
Ton-Miles of Domestic Intercity Freight Traffic—Percent Distribution by Type of Transportation: 1960 to 1980



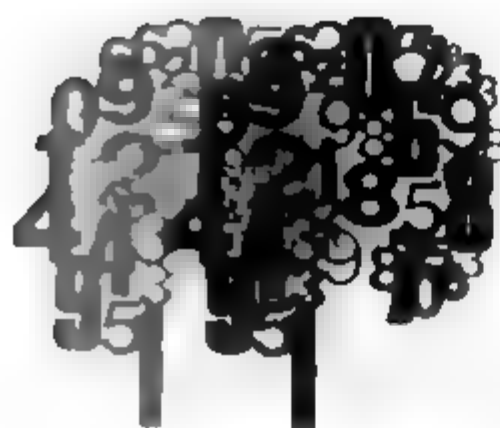
Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1044.

Figure 22.2

Revenue Passengers Carried by Local Public Transportation: 1960 to 1980



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1080.



Section 22

Transportation— Land

This section presents statistics on revenues, passenger and freight traffic volume, and employment in various revenue-producing modes of the transportation industry, including motor vehicles, trains, and pipelines. Data are also presented on commuting travel, highway mileage, construction, and cost; motor vehicle travel, accidents, sales, and registrations; automobile operating costs; and characteristics of railroads.

The principal compiler of data on public roads and on operation of motor vehicles is the U.S. Department of Transportation's (DOT) Federal Highway Administration (FHWA). These data appear in FHWA's annual *Highway Statistics*. Another major source of data on interstate land transport is the U.S. Interstate Commerce Commission (ICC). Among its publications are the *Annual Report to Congress*, and the *Transport Statistics in the United States* volumes, which contain data on railroads and motor carriers subject to ICC regulations.

The U.S. National Highway Traffic Safety Administration issues data on traffic accident deaths and death rates in two annual reports: the *Fact Book* and the *Fatal Accident Reporting System Annual Report*. DOT's Federal Railroad Administration presents data on accidents involving railroads in its annual *Accident/Incident Bulletin*, and the *Rail-Highway Crossing Accident/Incident and Inventory Bulletin*.

Various censuses and surveys conducted by the U.S. Bureau of the Census also provide data. Results of the censuses of transportation are presented in *Commodity Transportation Survey*, *National Travel Survey*, and *Truck Inventory and Use Survey*. The *Annual Survey of Manufactures* and reports of the censuses of manufactures, wholesale and retail trade, and service industries contain statistics on the motor-vehicle and equipment industry and on retail, wholesale, and services aspects of this industry. Data on persons commuting to work were collected as part of the 1980 census and are provided for selected metropolitan areas in table 1079.

Data are also presented in many nongovernment publications. Among them are: The weekly and annual *Cars of Revenue Freight Loaded* and the annual *Yearbook of Railroad Facts*, both published by the Association of American Railroads, Washington, D.C.; *Bus Facts*, issued annually by the American Bus Association, Washington, D.C.; and the *Transit Fact Book*, containing electric railway and motorbus statistics, published annually by the American Public Transit Association, Washington, D.C. Useful annual handbooks in the field of motor-vehicle transport are *Motor Vehicle Facts and Figures*, issued by the Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, Mich.; *Accident Facts*, issued by the National Safety Council, Chicago, Ill.; and *Transportation Facts and Trends*, issued by the Transportation Association of America, Washington, D.C.

Urban and rural highway mileage.—Beginning 1980, mileage is classified in urban and rural categories, rather than municipal and rural. Urban denotes the Federal-aid legislation definition of an area. Such areas include, as a minimum, a census place with a population of 5,000 to 49,999 or a designated urbanized area with a population of 50,000 or more. These Federal-aid urban areas may extend beyond corporate and census boundaries, and thus are not necessarily coextensive with municipal boundaries. Rural in 1980 refers to non-Federal-aid urban area mileage. Prior to 1980, municipal referred to roads within incorporated places, densely populated New England towns, and certain of the more populous unincorporated areas and rural to non-municipal roads.

Federal-aid highway systems.—Federal law provides that Federal funds be matched in varying proportions with State funds for the costs of planning, engineering, right-of-way acquisition, and construction of highways. Other costs, such as maintenance and policing, are borne entirely by the States and local agencies.

Effective July 1, 1976, a uniform road classification system was implemented which shortened the mileage of the highway system and redefined the three main systems of Federal-aid routes. The Federal-aid primary system is comprised of a network of main roads important to interstate, statewide, and regional travel. The system consists of main rural roads and their extensions into or through urban areas. The Federal-aid secondary system consists of rural roads of a more local nature, such as those which connect county seats and the larger population centers not served by the primary system. The Federal-aid urban system is located in urban places of 5,000 or more persons and consists of major urban roads and streets, except those on the primary system.

Regulatory bodies.—The ICC, created by the U.S. Congress to regulate transportation in interstate commerce, has jurisdiction over railroads, trucking companies, bus lines, freight forwarders, water carriers, coal slurry pipelines, and transportation brokers. The Federal Energy Regulatory Commission is responsible for setting rates and charges for transportation and sale of natural gas and for establishing rates or charges for transportation.

Motor carriers.—For 1960–1973, class I for-hire motor carriers of freight were classified by the ICC as those with \$1 million or more of gross annual operating revenue; since 1974, the class I minimum has been \$3 million. Effective January 1, 1980 class I revenue are those with \$5 million or more. For 1960–1968, class I motor carriers of passengers were classified by the ICC as those with \$200,000 or more of gross annual operating revenue; for 1969–1976, as those with revenues of \$1 million or more; and since 1977, as those with \$3 million or more.

Railroads.—Railroad companies reporting to the ICC are divided into specific groups as follows: (1) Regular line-haul (interstate) railroads (and their non-operating subsidiaries); (2) switching and terminal railroads; (3) private railroads prior to 1964 (identified by ICC as "circular" because they reported on brief circulars); and (4) unofficial railroads, so designated when their reports are received too late for tabulation. For the most part, the last 3 groups are not included in the statistics shown here.

For years prior to 1978, class I railroads were those with annual revenues of \$1 million or more for 1950–1955; \$3 million or more for 1956–1964, \$5 million or more for 1965–1975; and \$10 million or more for 1976–1977. Since 1978 the classification has been: Class I, those having more than \$50 million gross annual operating revenue; class II, from \$10 million to \$50 million; and class III, less than \$10 million.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

No. 1038. OPERATING REVENUES, PASSENGER REVENUES, AND FREIGHT REVENUES, BY TYPE OF TRANSPORT: 1970 TO 1980

TYPE OF TRANSPORT	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980
OPERATING REVENUES (mil. dol.)										
Air carrier, certificated ¹	9,290	11,183	12,419	14,703	15,356	17,503	18,926	22,882	27,170	33,267
Air carrier, supplemental ¹	337	331	374	429	433	418	516	530	582	788
Bus, class 1, intercity	722	775	815	933	955	993	983	1,037	1,205	1,394
Local transit	1,707	1,729	1,798	1,840	2,002	2,161	2,290	2,381	2,524	2,696
Oil pipeline	1,188	1,338	1,446	1,567	1,674	2,137	2,792	4,907	5,585	6,141
Gas pipeline (transmission companies)	5,928	7,390	7,712	9,085	11,698	15,416	19,836	22,989	29,919	41,574
Motor carriers of property, class 1, intercity	11,137	14,894	16,600	16,704	18,184	18,360	22,520	26,855	29,858	30,338
Railroad, class 1	11,992	13,410	14,770	16,923	16,402	18,537	20,091	21,721	25,219	26,254
Amtrak	(¹)	163	202	257	253	287	310	321	398	454
Water transport, classes A and B ²	372	417	474	632	730	777	694	777	1,772	(NA)
Water transport, maritime	833	885	1,067	1,478	1,342	1,583	1,843	1,888	1,235	(NA)
Freight forwarders, class A	211	253	326	362	359	431	615	603	701	721
AVERAGE PASSENGER REVENUE PER PASSENGER-MILE (cents)										
Air carrier, certificated: ³ Total	6.00	6.40	6.63	7.52	7.69	8.16	8.61	8.49	8.96	11.53
First class	8.30	8.70	8.93	9.89	10.58	11.50	12.21	11.97	11.43	14.35
Coach plus economy	5.45	5.88	6.11	6.84	7.05	7.49	7.82	7.81	8.34	10.87
Railroad, class 1: ³ Total	3.91	4.79	4.86	4.98	4.99	5.65	5.74	5.86	6.02	6.15
Commutation	3.75	4.22	4.29	4.44	4.57	5.04	5.07	5.20	5.37	5.92
Other than commutation	4.02	6.86	6.81	6.75	6.26	7.60	7.85	7.84	7.93	9.39
Amtrak: Total	(¹)	4.37	4.40	5.23	5.86	5.56	5.83	6.08	6.59	8.18
Commutation	(¹)	2.87	3.48	3.52	4.40	3.58	3.01	3.07	3.56	3.62
Other than commutation	(¹)	4.42	4.44	5.29	5.71	5.62	5.92	6.16	6.67	8.32
Bus, class 1, intercity	3.60	3.96	4.05	4.42	4.85	5.14	5.18	5.62	6.21	7.26
AVERAGE FREIGHT REVENUE PER TON-MILE (cents)										
Air carrier, certificated ¹	21.91	22.75	23.31	25.92	26.22	31.81	34.20	37.10	41.02	46.29
Railroad, class 1	1.43	1.62	1.82	1.85	2.04	2.20	2.29	2.36	2.60	3.12
Motor carriers of property, class 1, intercity										
Common	7.46	8.00	8.34	9.00	9.20	9.97	10.85	11.20	11.97	(NA)
Contract	6.86	7.02	6.86	7.00	7.80	8.20	8.05	12.97	13.50	(NA)
Oil pipelines	.27	.29	.29	.32	.37	.41	.54	.66	.94	1.03
Water carriers, classes A and B	.43	.47	.55	.67	.77	.74	.81	.84	.90	(NA)

NA Not available. ¹Domestic and international. ²Amtrak established May 1, 1971. ³Inland and coastal. ⁴Pre-1970. ⁵Schedule service (domestic). ⁶Excludes Amtrak and Auto-Train service.

Source: U.S. Dept. of Transportation, Transportation Systems Center, *National Transportation Statistics*, annual.

NO. 1039. PASSENGER AND FREIGHT TRANSPORTATION OUTLAYS, BY TYPE OF TRANSPORT:
1960 TO 1980

(In billions of dollars. Freight data include outlays for mail and express. ICC—Interstate Commerce Commission)

TYPE OF TRANSPORT	1960	1961	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total outlays ¹	108.3	141.8	187.9	218.5	243.3	266.8	294.3	303.0	353.6	400.8	453.6	488.0	557.0
Passenger, total	60.5	82.2	114.9	133.6	148.2	162.4	170.8	187.4	221.8	254.6	284.4	320.6	358.9
Private transportation	53.3	73.0	99.6	117.2	129.9	142.4	147.7	161.3	191.8	221.4	247.0	277.3	306.7
Automobiles ²	52.4	71.6	97.0	114.1	126.4	138.3	143.3	156.8	186.6	216.1	241.4	270.4	299.1
New and used cars	20.4	30.4	32.1	41.2	45.8	49.8	42.6	46.0	59.7	70.4	77.6	78.4	74.2
Tires, tubes, accessories	2.9	4.1	7.1	8.4	9.4	10.5	11.3	12.4	13.8	15.6	17.2	18.8	22.6
Gasoline and oil	16.0	19.6	29.9	31.9	33.9	38.2	40.8	53.9	58.6	64.2	70.3	91.2	118.7
Insurance less claims	2.4	2.8	4.4	5.7	6.4	6.2	5.9	4.5	6.4	9.5	10.2	10.3	11.8
Interest on debt	2.8	3.5	4.7	5.1	5.5	6.3	6.7	7.3	8.6	10.4	13.0	15.3	18.1
Registration and operator's permit fees	1.0	1.3	1.9	2.0	2.1	2.2	2.3	2.3	2.7	2.8	3.0	3.1	3.2
Repair, greasing, washing, parking, tolls ³	6.0	8.2	13.2	14.9	16.2	17.2	18.7	22.1	25.0	28.1	32.6	37.9	40.4
Air	9	1.4	2.6	3.1	3.5	4.1	4.4	4.7	5.2	5.2	5.6	6.8	7.6
Aircraft	2	3	4	5	6	8	8	1.0	1.2	1.5	1.7	2.1	2.3
Operating costs	7	1.0	2.3	2.8	3.0	3.3	3.6	3.6	4.0	3.7	3.9	4.7	5.3
For-hire transportation	7.2	9.2	15.3	16.4	18.3	20.0	22.9	26.2	30.0	33.3	37.3	43.3	52.2
Local ⁴	3.1	3.4	5.4	6.1	6.8	7.3	7.9	10.5	12.1	12.7	13.9	15.4	17.9
Bus and transit ⁵	1.3	1.5	1.8	2.0	2.2	2.7	2.9	4.7	5.8	5.9	6.7	7.5	9.0
School bus	5	7	1.2	1.4	1.5	1.6	1.9	2.2	2.4	2.5	2.7	3.2	3.5
Taxi	1.1	1.1	2.1	2.6	2.9	2.8	3.0	3.4	3.6	4.1	4.3	4.5	5.1
Intercity	3.3	4.4	7.7	8.4	9.4	10.4	12.3	12.9	14.9	17.2	19.6	23.3	28.8
Air	2.1	3.3	6.6	7.3	8.2	9.1	10.8	11.2	13.0	14.9	17.1	20.4	25.3
Rail ⁶	6	5	3	3	3	4	5	6	9	1.2	1.3	1.4	1.8
Bus	6	5	6	6	6	6	1.0	1.0	1.1	1.1	1.2	1.4	1.7
International	9	1.3	2.2	2.0	2.2	2.4	2.6	2.7	2.9	3.4	3.8	4.6	5.5
Freight, total ⁷	48.8	61.1	83.6	88.4	96.9	107.7	115.7	115.5	133.2	150.4	174.0	192.9	204.7
Highway	31.5	43.8	62.5	63.9	73.3	80.7	84.8	84.8	98.0	111.4	129.6	142.7	148.6
Truck, intercity	18.0	23.6	33.6	37.5	40.0	44.8	48.8	47.4	56.2	67.4	79.6	90.2	90.4
ICC regulated	7.2	10.1	14.6	16.7	18.7	20.6	22.7	22.0	26.0	31.0	36.5	41.2	43.0
Non-ICC regulated	10.7	13.6	19.0	20.8	21.3	23.8	26.1	25.4	30.2	36.4	43.1	49.0	47.4
Truck, local	13.5	20.1	28.6	25.4	33.1	35.9	35.9	37.3	41.6	43.9	49.1	52.3	58.2
Rail	9.0	9.9	11.9	12.7	13.1	14.8	17.0	16.5	19.2	20.5	21.9	24.8	27.9
Water	3.3	3.8	5.1	5.2	5.6	6.8	6.0	7.8	6.9	10.3	12.4	13.4	14.7
Oil pipeline	9	1.1	1.4	1.5	1.6	1.7	1.9	2.2	2.5	3.2	5.5	6.2	6.8

¹Total outlays adjusted to include Federal Government expenditures for public facilities (airways, airports, highways, ground transportation research and development programs, and Urban Mass Transportation Administration programs) and State government expenditures for highways not otherwise included in other items shown, less transport user charges. Estimated freight costs included in costs of new cars, gasoline, oil, tires, and tubes excluded to prevent duplication. ²Includes business-owned vehicles. ³Estimated. ⁴Includes storage and rental. ⁵Includes items not shown separately. ⁶Includes Federal, State and local government operating subsidies and capital grants. ⁷Includes Federal operating subsidies and capital grants for Amtrak.

Source: Transportation Association of America, Washington, D.C., *Transportation Facts and Trends*, annual, with quarterly supplements. (Copyright.)

NO. 1040. PERSONAL CONSUMPTION EXPENDITURES FOR TRANSPORTATION: 1960 TO 1981

(In billions of dollars, except percent. Represents market value of purchases of goods and services by individuals and nonprofit institutions)

TYPE OF PRODUCT OR SERVICE	1960	1965	1970	1975	1974	1975	1976	1977	1978	1979	1980	1981
Total transportation expenditures	42.4	58.4	86.8	114.8	117.9	129.4	155.2	179.3	198.1	216.4	228.5	260.8
Percent of total personal consumption ¹	13.1	13.6	13.0	14.1	13.3	13.2	14.3	14.9	14.7	14.6	14.4	14.1
User-operated transportation	39.1	54.5	74.5	106.4	106.8	119.7	144.1	167.0	184.6	204.0	221.2	240.5
New autos	14.0	21.4	21.9	33.9	27.0	29.3	36.1	44.3	48.2	49.1	45.7	49.2
Net purchases of used autos	2.6	3.9	5.3	7.3	7.8	8.9	11.9	13.2	14.9	15.7	14.9	15.0
Other motor vehicles	6	1.3	2.6	6.9	6.0	7.1	10.9	13.9	17.9	14.9	10.1	10.3
Tires, tubes, accessories, other parts	2.5	3.4	6.1	8.9	8.6	10.5	11.7	13.5	14.7	16.9	19.0	21.0
Repair, greasing, washing, parking ²	5.1	6.9	11.2	14.7	15.9	18.8	21.3	25.1	28.1	31.2	33.9	35.1
Gasoline and oil	12.0	14.7	22.4	26.6	36.6	40.4	44.0	48.1	51.2	56.8	67.0	96.6
Bridges, tunnel, ferry, road tolls	3	5	7	8	8	8	9	9	9	9	9	9
Insurance premiums less claims paid	2.0	2.4	3.8	5.2	5.1	3.9	5.4	6.1	6.7	6.8	9.7	9.1
Purchased local transportation ³	2.0	2.1	3.0	3.6	3.7	4.0	4.4	4.7	5.0	5.4	6.0	6.8
Transit systems	1.3	1.3	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.6	3.2
Taxicab	6	6	1.2	1.8	1.8	1.9	2.1	2.2	2.4	2.7	3.1	3.3
Purchased intercity transportation	1.3	1.6	3.4	4.7	5.5	5.7	6.7	7.7	8.5	10.0	12.3	13.5
Airline	7	1.2	2.5	3.5	4.1	4.4	5.3	6.1	6.9	8.1	10.0	10.9
Bus	3	4	5	6	7	7	7	7	7	8	1.1	1.1
Railway and other ⁴	3	3	4	5	7	7	8	8	9	1.1	1.3	1.5

¹See table 608. ²Includes rental and storage. ³Includes railway commutation. ⁴Railway excludes commutation; "other" consists of baggage charges, coastal and inland waterway fares, and travel agents' fees.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-78*, and *Survey of Current Business*, July 1982.

No. 1041. FEDERAL OUTLAYS FOR TRANSPORTATION, BY FUNCTION: 1970 TO 1982

(For years ending June 30 except, beginning 1977, ending Sept. 30. 1981 estimated)

FUNCTION	TOTAL OUTLAYS (mil. dol.)								PERCENT DISTRIBUTION		
	1970	1975	1977	1978	1979	1980	1981	1982	1970	1980	1982
Total outlays ¹	7,008	18,388	14,836	15,444	17,458	21,120	23,381	21,228	100.0	100.0	100.0
Ground transportation	4,678	8,501	10,037	10,355	12,064	15,079	17,100	14,728	66.8	71.4	69.4
Highway construction ²	(NA)	4,821	5,719	5,840	6,759	8,397	9,068	8,264	(NA)	39.8	38.9
Highway safety	(NA)	150	583	644	733	1,128	336	307	(NA)	5.3	1.4
Mass transit	(NA)	929	2,000	2,177	2,542	3,307	3,917	3,817	(NA)	15.7	18.0
Railroads	(NA)	555	1,676	1,828	1,962	2,170	3,703	2,271	(NA)	10.3	10.7
Regulation	(NA)	46	59	85	87	79	75	70	(NA)	.4	.3
Air transportation	1,422	2,408	2,818	3,277	3,382	3,762	3,850	3,730	20.3	17.8	17.8
Airways and airports	(NA)	2,029	2,389	2,778	2,850	3,136	3,158	3,073	(NA)	14.8	14.5
Aeron. research and technology	(NA)	316	344	398	443	509	544	544	(NA)	2.4	2.6
Air carrier subsidies	(NA)	64	80	77	72	88	119	88	(NA)	.4	.4
Regulation	(NA)	(NA)	23	25	27	28	29	25	(NA)	.1	.1
Water transportation	913	1,459	1,749	1,854	1,977	2,236	2,420	2,778	13.0	10.6	13.1
Marine safety and transportation	(NA)	922	1,149	1,273	1,424	1,613	1,829	2,114	(NA)	7.6	10.0
Ocean shipping	(NA)	537	591	571	543	611	580	653	(NA)	2.9	3.1
Regulation	(NA)	(NA)	8	9	10	11	12	11	(NA)	.1	.1
Other	26	74	78	61	93	104	110	89	.3	.5	.4

NA Not available. ¹Total reflects deductions for offsetting receipts. ²Includes improvement.Source: U.S. Office of Management and Budget, *The Budget of the United States Government*, annual.

No. 1042. 50 LARGEST TRANSPORTATION COMPANIES—REVENUES AND ASSETS, BY RANK OF OPERATING REVENUES: 1980 AND 1981

(In billions of dollars, except percent. Revenues include nontransportation activities; assets as of and of companies' fiscal years. Companies listed derive more than 50 percent of their operating revenues from the transport of passengers and/or freight (e.g., railroads, airlines, motor carriers, pipelines); excludes companies primarily engaged in freight forwarding, express shipping, or vehicle rental)

OPERATING REVENUE GROUP	1980				1981			
	Assets	Operating revenue	Net income	Stockholders' equity	Assets	Operating revenue	Net income	Stockholders' equity
50 largest, total	84.8	78.8	3.4	39.0	88.2	81.6	3.9	29.9
Lowest ten	4.6	3.4	(2)	1.5	5.4	3.8	.4	2.0
Second ten	6.7	5.7	.6	1.7	5.8	5.7	.3	1.3
Third ten	13.0	8.8	.8	2.7	12.1	10.0	.7	3.4
Fourth ten	23.0	17.3	.8	8.6	25.4	17.9	1.1	8.3
Highest ten	37.2	40.3	1.2	15.4	39.5	44.1	1.3	13.9
Percent, total:								
Lowest ten	5.4	4.4	.6	5.1	6.1	4.7	10.8	7.0
Second ten	7.9	7.4	17.5	5.7	6.6	7.0	8.9	4.4
Third ten	15.4	13.0	22.9	9.1	13.8	12.3	18.5	11.6
Fourth ten	27.2	22.6	24.7	28.7	28.8	22.0	27.9	28.6
Highest ten	44.0	52.7	34.4	51.5	44.8	54.0	33.9	48.1

2 Less than 500,000.

Source: Time, Inc., New York, N.Y.; adapted from *The Fortune Directory*, July issues. (Copyright.)

No. 1043. EMPLOYMENT IN TRANSPORTATION, BY TYPE OF TRANSPORT: 1965 TO 1981

(Annual averages of monthly figures. Based on Current Employment Statistics Program; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Q 36-42)

TYPE OF TRANSPORT	NUMBER (1,000)									PERCENT		
	1965	1970	1975	1976	1977	1978	1979	1980	1981	1965	1970	1981
Total	2,832	2,884	2,836	2,880	2,782	2,907	3,022	2,962	2,923	100.0	100.0	100.0
Trucking ¹	882	999	1,024	1,088	1,132	1,212	1,240	1,189	1,166	34.9	37.2	39.9
Public warehousing	82	84	84	81	88	91	91	91	88	3.2	3.1	3.0
Railroads	735	834	548	538	545	539	556	532	498	26.0	23.6	17.0
Class I railroads ²	640	566	496	494	502	490	503	482	457	25.3	21.1	15.6
Airlines ³	229	352	383	374	386	406	438	453	454	9.0	13.1	15.5
Local and interurban passengers	269	289	270	284	262	258	263	265	269	10.6	10.0	9.2
Waterlines ⁴	230	213	195	195	196	209	216	213	216	9.1	8.0	7.4
Pipelines ⁴	20	18	18	18	19	20	20	21	22	.8	.7	.8
Transportation services	85	115	134	142	158	170	188	198	212	3.4	4.3	7.2

¹Includes terminals.²See text, p. 604.³Covers establishments engaged in domestic and/or international service.⁴Oil and other commodities, except natural gas.Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 1044. VOLUME OF DOMESTIC INTERCITY FREIGHT AND PASSENGER TRAFFIC, BY TYPE OF TRANSPORT: 1950 TO 1980

[Prior to 1980, excludes Alaska and Hawaii, except as noted. A ton-mile is the movement of 1 ton (2,000 pounds) of freight for the distance of 1 mile. A passenger mile is the movement of 1 passenger for the distance of 1 mile. Comprises public and private traffic, both revenue and nonrevenue. See also *Historical Statistics, Colonial Times to 1970*, series Q1-22]

TYPE OF TRANSPORT	1950	1955	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
FREIGHT TRAFFIC	BILLIONS OF TON-MILES												
	Total.....	1,062	1,275	1,314	1,638	1,936	2,232	2,212	2,066	2,202	2,307	2,467	2,503
	Railroads ¹	597	631	579	709	771	858	852	759	800	834	868	932
	Motor vehicles.....	173	223	285	359	412	505	495	454	510	555	599	567
	Inland waterways ²	163	217	220	262	319	358	355	342	373	368	409	411
	Oil pipelines.....	129	203	229	306	431	507	506	507	515	546	586	586
	Domestic airways ^{3 4}.....	.3	.6	.8	1.9	3.3	3.9	3.9	3.7	3.9	4.2	4.6	4.5
	PERCENT DISTRIBUTION												
	Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Railroads ¹	57.44	50.43	44.73	43.67	39.83	38.51	38.52	36.74	36.33	36.15	35.18	37.24
	Motor vehicles.....	15.80	17.20	21.46	21.76	21.28	22.66	22.38	21.97	23.16	24.06	24.28	22.65
	Inland waterways ²	14.93	16.68	16.56	15.89	16.46	16.06	16.05	16.55	16.94	15.95	16.58	16.42
	Oil pipelines.....	11.81	15.66	17.19	18.56	22.26	22.75	22.87	24.54	23.38	23.67	23.75	23.49
	Domestic airways ^{3 4}.....	.03	.04	.06	.12	.17	.18	.18	.19	.18	.18	.19	.18
PASSENGER TRAFFIC	BILLIONS OF PASSENGER-MILES												
	Total ⁵	506	716	784	920	1,185	1,345	1,310	1,359	1,464	1,532	1,608	1,559
	Private automobiles.....	438	637	706	818	1,026	1,163	1,122	1,171	1,260	1,316	1,362	1,300
	Domestic airways ^{3 6}	10	23	34	58	119	143	146	148	165	176	204	219
	Bus ⁷	26	25	19	24	25	26	28	26	25	26	25	28
	Railroads ¹	32	29	22	18	11	9	10	10	10	10	11	12
	Inland waterways ²	1.2	1.7	2.7	3.1	4.0	4.0	4.1	4.0	4.0	4.0	(NA)	(NA)
	PERCENT DISTRIBUTION												
	Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Private automobiles.....	86.20	89.01	90.10	88.86	86.60	86.47	85.65	86.17	86.07	85.90	84.81	83.20
	Domestic airways ^{3 6}	1.98	3.18	4.33	6.31	10.01	10.63	11.15	10.89	11.27	11.49	12.70	14.35
	Bus ⁷	5.20	3.56	2.47	2.58	2.14	1.93	2.14	1.91	1.71	1.70	1.56	1.70
	Railroads ¹	6.39	4.01	2.75	1.91	.92	.67	.76	.74	.68	.65	.68	.76
	Inland waterways ².....	.23	.24	.34	.34	.34	.30	.31	.29	.27	.26	.25	(NA)

NA Not available. ¹Includes electric railways. Beginning 1970, freight traffic excludes mail and express. ²Includes Great Lakes. Freight traffic includes Alaska for all years and Hawaii beginning 1960. ³Revenue service only for certificated route and charter carriers. ⁴Includes express, mail, and excess baggage. ⁵Beginning 1979, excludes data for inland waterways. ⁶Includes private pleasure and business flying. ⁷Excludes school bus.

Source: Transportation Association of America, Washington, D.C., *Transportation Fact and Trends*, Dec. 1981.

No. 1045. VOLUME OF COMMODITY SHIPMENTS BY MANUFACTURING ESTABLISHMENTS: 1977

[Based on a sample survey of 19,500 manufacturing establishments]

MEANS OF TRANSPORT AND COMMODITY	Value of shipments (bil. dol.)	Tons (mil.)	Ton-miles (mil.)	COMMODITY	Value of shipments (bil. dol.)	Tons (mil.)	Ton-miles (mil.)
All commodities.....	1,343	1,312	1,758,984	Pulp, paper, and allied products.....	52	108	42,935
Rail.....	229	548	270,446	Printed matter.....	50	25	4,677
Motor carrier.....	570	691	183,322	Chemicals and allied products.....	116	323	106,348
Private truck.....	316	1,200	95,120	Petroleum and coal products.....	100	998	220,056
Air.....	31	1	1,405	Rubber and misc. plastics.....	38	19	9,387
Water.....	35	293	135,638	Leather and leather products.....	8	2	730
Pipeline.....	50	465	69,303	Stone, clay, glass, and concrete.....	37	653	49,211
Parcel delivery.....	42	3	1,497	Primary metal products.....	103	184	49,126
Other and unknown.....	70	111	2,253	Fabricated metal products.....	83	61	19,323
Food and kindred products.....	192	427	128,129	Machinery, exc. electrical.....	123	26	12,127
Tobacco products.....	9	2	952	Electrical machinery.....	92	16	8,605
Textile mill products.....	35	14	5,036	Transportation equipment.....	159	59	29,341
Apparel, finished textile products.....	46	6	2,380	Motor vehicles and equipment.....	114	51	26,075
Lumber and wood products.....	39	357	57,967	Instruments and related products.....	25	2	1,663
Furniture and fixtures.....	17	8	4,045	Miscellaneous products.....	20	5	2,590

¹ Data for commodities will not add to the total because of independent rounding of those items.

No. 1046. FUEL CONSUMPTION BY MODE OF TRANSPORTATION: 1970 TO 1980

ITEM	Unit	1970	1973	1974	1975	1976	1977	1978	1979	1980
Class I railroads:										
Locomotives:										
Diesel oil.....	Mil. gal.....	3,800	4,141	4,112	3,732	3,890	3,982	3,966	4,069	3,942
Electricity.....	Mil. kWh.....	578	348	487	422	353	417	331	309	190
Coal.....	Tons.....	1,238	1,202	1,160	1,160	1,421	1,569	1,275	1,421	908
Motor cars:										
Diesel oil.....	Mil. gal.....	8	3	4	4	5	3	2	3	2
Electricity.....	Mil. kWh.....	763	901	847	857	790	986	991	1,062	968
Certified air carriers:										
Jet fuel ¹	Mil. gal.....	10,085	10,671	9,546	9,507	9,808	10,268	10,639	11,369	11,034
General aviation:										
Aviation gasoline.....	Mil. gal.....	551	411	443	412	432	456	518	570	520
Jet fuel.....	Mil. gal.....	208	304	357	453	495	536	763	736	766
Highway:										
Gasoline:										
Passenger cars and taxis.....	Mil. gal.....	65,649	77,619	73,770	76,010	78,398	80,225	83,312	79,793	73,375
Motorcycles.....	Mil. gal.....	135	392	447	447	448	451	463	440	360
Diesel and gasoline ²	Mil. gal.....	26,544	32,462	32,084	32,527	36,853	38,948	41,293	41,882	41,226
Water transport:										
Fuel oil ³	Mil. gal.....	4,593	5,006	4,864	5,158	6,123	6,825	8,194	9,634	10,135
Gasoline.....	Mil. gal.....	598	717	697	730	764	774	812	780	1,052
Transit:										
Electricity, total.....	Mil. kWh.....	2,561	2,331	2,630	2,646	2,576	2,303	2,223	2,473	2,446
Motor fuel ⁴	Mil. gal.....	339	310	326	373	395	412	431	432	452
Pipe lines, natural gas.....	Mil. cu. ft....	722,166	728,177	868,834	582,963	548,323	532,669	530,451	600,964	634,622
Non-highway use of gasoline, total.....	Mil. gal.....	4,003	3,696	3,623	3,642	3,778	3,725	3,577	3,645	3,655

¹Includes small amounts of aviation gasoline. ²Includes commercial and school buses and single-unit and combination trucks. ³Includes residual and distillate fuel oil. ⁴Includes gasoline, diesel oil, and propane.

Source: U.S. Department of Transportation, Transportation Systems Center, *National Transportation Statistics*, annual.

No. 1047. TRANSPORTATION ACCIDENTS, AND RESULTING DEATHS AND INJURIES, BY TYPE OF TRANSPORT: 1970 TO 1981

[Data for waterborne carriers are for years ending June 30 except, beginning 1977, ending Sept. 30; all other data for calendar year. For motor vehicle data, see also tables 1061-1063; for railroad data, see also tables 1068 and 1095; for air carrier and general aviation data, see tables 1099 and 1102]

YEAR AND CASUALTY	Total (1,000)	TYPE OF TRANSPORT								Hazardous materials ⁹
		Motor vehicle ¹ (1,000)	Railroad ²	Air carrier ³	General aviation ⁴	Recreational boating ⁵	Gas pipelines ⁶	Liquid pipelines ⁷	Waterborne ⁸	
Accidents:										
1970.....	16,021	16,000	8,095	(NA)	(NA)	3,803	1,019	351	2,582	(NA)
1975.....	16,523	16,500	8,041	31	4,034	6,308	1,373	254	3,305	10,779
1976.....	16,827	16,600	10,248	22	4,005	7,199	1,579	212	4,211	11,698
1977.....	17,627	17,600	10,362	21	4,089	6,815	1,996	232	3,574	15,954
1978.....	18,329	18,300	11,277	21	4,223	6,529	2,088	256	4,268	18,022
1979.....	18,126	18,100	9,740	24	3,600	5,368	1,920	248	4,665	17,524
1980.....	17,924	17,900	8,451	15	3,599	5,513	1,996	219	4,496	16,115
1981.....	18,021	18,000	5,781	24	3,634	5,128	1,695	239	4,537	9,163
Deaths:										
1970.....	56.5	52.6	785	(NA)	(NA)	1,418	22	4	178	(NA)
1975.....	48.2	44.6	575	122	1,247	1,466	14	7	190	27
1976.....	48.8	45.5	510	38	1,187	1,264	63	5	269	18
1977.....	51.4	47.9	534	78	1,281	1,312	36	3	216	32
1978.....	54.1	50.3	582	160	1,563	1,321	31	3	179	46
1979.....	54.9	51.1	546	351	1,219	1,400	45	4	190	18
1980.....	54.5	51.1	584	-	1,264	1,360	11	3	196	19
1981.....	52.6	49.3	556	4	1,265	1,206	17	5	196	13
Injuries:										
1970.....	2,025	2,000	21,327	(NA)	(NA)	780	347	21	105	(NA)
1975.....	1,859	1,800	54,306	75	718	2,136	819	17	74	655
1976.....	1,870	1,800	65,331	133	718	1,838	340	4	153	820
1977.....	1,972	1,900	67,867	102	725	1,779	443	15	136	750
1978.....	2,077	2,000	72,545	89	747	1,761	452	9	119	1,132
1979.....	2,077	2,000	72,255	57	625	2,463	57	8	118	941
1980.....	(NA)	2,000	60,549	19	663	2,650	310	15	122	619
1981.....	(NA)	1,900	51,745	20	583	2,438	(NA)	(NA)	121	665

- Represents zero. NA Not available. ¹Data on deaths are from U.S. National Highway Traffic Safety Administration and are based on 30 day definition; see table 1061. Other data are from National Safety Council. ²Number of accidents includes grade crossing accidents and covers only those accidents which result in damages to railroad property exceeding amounts specified by the U.S. Federal Railroad Administration. The reporting threshold was raised from \$750 to \$1,750 in 1975 to \$2,300 in 1977; to \$2,900 in 1979; and to \$3,700 in 1981. Deaths exclude fatalities in railroad-highway grade crossing accidents. ³Includes only scheduled air carriers operating under 14 CFR 121 (airlines). Injuries include only serious injuries. ⁴1975-1981 data excludes commuter and on-demand air taxis operating under 14 CFR 135. ⁵Accidents are required to be reported to U.S. Coast Guard whenever they result in a death; a person's losing consciousness or receiving medical treatment or being disabled for more than 24 hours; damages exceeding \$100; or a person's disappearance. ⁶Accidents as reported on incident/accident reports filed during reporting year. Fatalities and injuries as reported in annual report. ⁷Pipelines carrying hazardous materials, petroleum, and liquid petroleum products. ⁸Covers accidents involving commercial vessels which must be reported to U.S. Coast Guard if there is property damage exceeding \$1,500; material damage affecting the seaworthiness or efficiency of a vessel; stranding or grounding; loss of life; or injury causing a person's incapacity for more than 3 days. ⁹Accidents, deaths, and injuries involving hazardous materials cover all types of transport.

Source: U.S. Dept. of Transportation, Transportation Systems Center, *Transportation Safety Information Report*, annual.

No. 1048. HIGHWAY MILEAGE—URBAN AND RURAL, BY TYPE OF CONTROL, AND FEDERAL-AID HIGHWAY SYSTEM: 1950 TO 1980

[In thousands, except percent. As of Dec. 31. Beginning 1980, data for urban and rural mileage are not comparable to prior years because of classification changes; see text, p. 603. See also *Historical Statistics, Colonial Times to 1970*, series Q 50, 51, and 55]

TYPE AND CONTROL	1980	1985	1980	1985	1970	1975	1979	1979	1980
Total mileage	3,313	3,418	3,548	3,690	3,730	3,838	3,885	3,918	¹ 3,965
Urban mileage ²	323	373	430	508	561	639	694	694	624
Under State control	36	42	50	65	74	84	87	86	79
Under local control	267	331	379	442	487	555	607	607	543
Rural mileage	2,990	3,045	3,118	3,183	3,169	3,199	3,190	3,224	¹ 3,331
Percent surfaced ³	56.2	63.8	69.5	72.3	76.1	77.6	79.4	77.5	77.5
Under State control	580	620	659	667	707	711	704	697	701
Under local control	2,336	2,333	2,345	2,346	2,275	2,261	2,254	2,281	2,270
Under Federal control	73	93	112	150	188	227	232	244	262
Federal-aid highway system: ⁴									
Primary	234	235	265	269	272	266	301	303	300
Interstate	(x)	(x)	10	21	32	37	42	40	41
Urban	(x)	(x)	(x)	(x)	(x)	65	126	124	124
Secondary	410	514	601	640	847	643	398	397	398

X Not applicable. ¹ Includes 98,000 miles of nonpublic road mileage previously contained in other rural categories. ² Prior to 1980; represents municipal mileage; see text p. 603. ³ Covers soil-surfaced roads and roads with slag, gravel, stone, bituminous, or concrete surfaces. ⁴ For definition, see text, p. 603. Beginning 1979, data represent actual mileage open to traffic rather than total highway miles carrying interstate traffic.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 1049. HIGHWAY MILEAGE—URBAN, RURAL, AND FEDERAL-AID HIGHWAY SYSTEM: 1980

[As of Dec. 31. For definition of urban, rural, and Federal-aid highway system roads; see text, p. 603]

STATE	Urban (1,000)	Rural (1,000)	FEDERAL-AID HIGHWAY SYSTEM ¹				STATE	Urban (1,000)	Rural (1,000)	FEDERAL-AID HIGHWAY SYSTEM ¹			
			Primary		Urban	Sec- ondary				Primary		Urban	Sec- ondary
			Total	Inter- state						Total	Inter- state		
U.S.	624.1	3,331.3	300,456	41,218	124,115	398,198	Mo	13.6	104.9	7,908	1,102	2,149	18,110
Ala	13.0	74.3	7,711	793	2,134	10,883	Mont	2.4	69.3	6,841	1,160	324	4,686
Alaska .....	.8	9.3	2,048	-	110	1,944	Nebr	4.2	92.2	7,733	483	981	11,385
Ariz	8.3	66.9	4,615	1,136	1,748	3,204	Nev	2.0	41.4	2,330	484	353	2,394
Ark	7.0	68.5	5,733	536	687	6,221	N.H.	2.1	12.3	1,345	204	585	1,267
Calif	62.2	118.5	13,507	2,268	15,484	10,716	N.J.	21.0	12.8	1,763	333	5,171	1,979
							N. Mex	4.3	71.1	5,252	984	619	3,259
Colo	9.1	73.4	5,202	913	201	3,482	N.Y.	36.1	73.3	9,773	1,424	7,813	6,311
Conn	10.0	9.4	1,574	293	2,777	895	N.C.	15.0	78.0	5,092	765	1,678	10,654
Del	1.3	3.9	464	41	270	632	N. Dak	1.4	105.1	6,169	572	361	10,358
D.C.	1.1	-	92	12	317	-	Ohio	28.9	82.2	8,316	1,535	7,352	11,582
Fla	28.8	68.4	8,854	1,345	4,992	4,602	Okla	11.4	98.4	6,223	810	2,127	8,723
Ga	15.6	68.9	11,850	1,161	2,880	14,115	Oreg	7.8	121.7	5,637	702	1,737	7,586
Hawaii	1.5	3.0	546	48	194	440	Pa	29.3	88.3	11,336	1,516	6,401	8,192
Idaho	2.2	65.3	3,218	609	551	4,221	R.I.	3.6	2.9	474	72	620	166
Ill	28.4	108.3	11,392	1,708	6,042	12,792	S.C.	7.2	55.3	6,205	701	808	8,604
Ind	17.9	73.6	6,484	1,136	2,403	10,622	S. Dak	1.4	81.7	6,496	659	336	10,865
Iowa	7.9	104.1	9,574	731	2,185	13,280	Tenn	11.4	72.4	6,741	1,030	2,435	9,791
Kan	7.9	130.6	8,908	800	1,378	22,514	Tex	56.0	211.5	20,018	3,108	6,543	32,529
Ky	6.6	62.7	4,415	737	1,754	7,267	Utah	4.3	45.4	3,429	784	746	2,605
La	10.0	46.1	3,741	662	1,359	7,557	Vt .....	.7	13.4	1,404	309	213	1,989
Maine	2.2	19.7	2,314	310	639	2,741	Va	12.3	53.7	6,346	977	2,853	10,419
Md	10.3	18.8	2,708	381	2,041	2,054	Wash	14.8	74.0	5,692	766	4,543	7,099
Mass	19.7	14.0	2,730	517	5,625	2,109	W. Va	3.2	34.2	2,896	477	779	6,313
Mich	25.3	92.0	7,007	1,067	4,668	18,738	Wis	12.8	94.2	10,035	565	2,312	9,899
Minn	12.3	122.8	10,105	881	1,732	16,303	Wyo	1.6	34.6	3,885	923	310	2,280
Miss	5.8	64.2	6,521	666	1,415	11,549							

- Represents zero. ¹ Highway mileage open to traffic.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

NO. 1050. HIGHWAY MILEAGE AND DAILY VEHICLE MILES OF TRAVEL (DVMT) BY TYPE OF ROAD: 1980

[Based on data from the Highway Performance Monitoring System (HPMS)]

TYPE	Mile- age (1,000)	DVMT (mil.)	PERCENT OF TOTAL		TYPE	Mile- age (1,000)	DVMT (mil.)	PERCENT OF TOTAL	
			Mile- age	DVMT				Mile- age	DVMT
Rural road systems¹	3,233	1,846	100.0	100.0	Small urban—Con.				
Principal arterial	115	736	3.6	39.9	Minor arterial	17	71	10.6	21.1
Interstate	32	369	1.0	20.1	Collector	19	40	12.0	11.7
Other	83	364	2.6	19.8	Local	108	69	67.4	20.4
Minor arterial	148	366	4.6	19.3					
Collector	738	521	22.9	28.3	Urbanized area road systems	468	1,984	100.0	100.0
Local	2,230	231	11.1	12.6	Principal arterial	44	1,123	9.5	56.3
					Interstate	8	417	1.7	20.9
Small urban road systems	188	398	100.0	100.0	Other freeway, expressway	5	201	1.2	10.1
Principal arterial	18	158	10.0	46.8	Other	31	505	6.8	25.3
Interstate	1	24	.5	6.9	Minor arterial	48	408	10.5	20.4
Other freeway, expressway	1	16	.8	4.7	Collector	48	186	10.5	9.4
Other	13	119	6.4	35.2	Local	326	277	69.6	13.9

¹ Includes only public road mileage.

Source: U.S. Federal Highway Administration, unpublished data.

NO. 1051. HIGHWAY MILEAGE—PAVEMENT CONDITION FOR URBAN AND RURAL AREAS, BY TYPE OF ROAD SYSTEM: 1970 TO 1980

[Highway pavement condition is classified by the Present Serviceability Rating (PSR) system, which ranges from a high of 5.0 for new or nearly new pavement to 0 for completely deteriorated pavement. A "poor" rating of below 2.5 for high-use, high-speed facilities (or below 2.0 for other highways) indicates that such facilities are at or beyond their design life and in need of some type of capital improvement; a "fair" rating of 2.0 or 2.5 to 3.5 indicates some degree of serviceability remains, but that some type of capital improvement will be needed in the near future; a "good" rating indicates that capital improvements will not be needed for some time]

PAVEMENT CONDITION	INTERSTATE ROAD SYSTEMS			ARTERIAL ROAD SYSTEMS				COLLECTOR ROAD SYSTEMS			
	1975	1978	1980	1970	1975	1978	1980	1970	1975	1978	1980
URBAN AREAS											
Percent of road mileage rated—											
Poor (0 to 2 ¹)	3	7	6	6	6	6	6	9	9	9	8
Fair (2 to 3.5)	29	34	28	41	46	54	48	48	55	66	53
Good (3.5 to 5)	68	59	66	53	48	40	46	43	36	33	39
RURAL AREAS											
Percent of road mileage rated—											
Poor (0 to 2 ¹)	4	9	5	8	7	5	7	9	10	9	13
Fair (2 to 3.5)	22	26	28	44	46	53	49	58	60	66	59
Good (3.5 to 5)	74	65	67	48	47	42	44	33	30	25	28

¹ Rating for Interstate is 2.5.

Source: U.S. Dept. of Transportation, report to the U.S. Congress, "The Status of the Nation's Highways: Conditions and Performance," January, 1981, and unpublished data. Also in U.S. Federal Highway Administration's, *Highway Statistics*, annual.

NO. 1052. HIGHWAY CONSTRUCTION—CONTRACTS AWARDED: 1960 TO 1980

[In millions of dollars. Covers contracts awarded and force-account work authorized by State agencies for highways, including Federal-State, Federal-State-Local, and State-Local cooperative work, and a small amount by the Federal government for National Park and Forest roads, etc. Work on local roads and streets is included only when contracted or performed by the State or when Federal funds are involved]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
Total	4,838	4,825	6,806	6,462	7,164	7,167	6,037	7,542	8,804	10,779	9,888
Federally aided contracts	3,174	3,921	4,815	4,598	5,267	5,967	5,020	6,169	6,661	8,667	7,880
Federal funds	2,292	3,001	3,667	3,379	4,222	4,624	4,004	4,968	5,504	7,122	6,427
Non-federally aided contracts	666	904	1,592	1,864	1,897	1,220	1,007	1,373	2,043	2,111	1,986
Toll facilities	226	49	48	146	13	11	35	21	13	84	(NA)

NA Not available.

Source: U.S. Federal Highway Administration, *Monthly Highway Construction Contracts*.

No. 1053. RECEIPTS AND DISBURSEMENTS FOR HIGHWAYS, BY TYPE: 1970 TO 1980

[In millions of dollars. Data compiled from reports of State and local authorities. For Federal highway trust fund receipts, disbursements, and balances, see table 426, State data include District of Columbia]

TYPE	1970	1975	1976	1977	1978	1978	1980		
							Total ¹	Federal	State
Total receipts.....	21,747	29,160	30,831	33,243	35,504	38,085	38,588	10,049	19,435
Current income.....	19,861	26,921	28,610	31,013	33,621	36,181	36,570	10,049	18,307
Imposts on highway users ²	15,311	18,578	19,811	21,339	22,360	22,763	22,469	6,415	15,455
Other taxes and fees.....	3,732	6,605	7,108	7,822	8,905	10,470	10,962	2,367	1,865
Investment income and other receipts.....	818	1,738	1,691	1,852	2,356	2,948	3,139	1,267	987
Bond issue proceeds ³	1,886	2,239	2,221	2,230	1,883	1,904	2,018	-	1,128
Intergovernmental payments ⁴	(x)	(x)	(x)	(x)	(x)	(x)	(x)	- 11,092	5,954
Funds drawn from (+) or placed in (-) reserves.....	- 912	- 461	- 1,526	- 3,411	- 2,070	- 841	+ 2,467	+ 1,994	+ 547
Total funds available.....	20,835	28,699	29,305	29,832	33,434	37,444	41,055	951	25,936
Total disbursements.....	20,835	28,699	29,305	29,832	33,434	37,444	41,055	951	25,936
Current disbursements.....	19,583	27,207	27,738	28,184	31,841	35,693	39,195	951	24,914
Capital outlay.....	11,575	14,398	13,927	13,079	14,936	17,612	19,987	531	15,386
Maintenance and traffic services.....	4,720	7,286	7,735	8,612	9,785	10,571	10,928	132	4,646
Administration and research.....	1,275	1,981	2,209	2,370	2,590	2,726	2,999	288	1,781
Law enforcement and safety.....	1,303	2,413	2,633	2,842	3,160	3,359	3,786	-	2,076
Interest on debt.....	710	1,129	1,234	1,281	1,368	1,425	1,515	-	1,025
Debt retirement ⁵	1,252	1,492	1,567	1,648	1,593	1,751	1,860	-	1,022

- Represents zero. X Not applicable. ¹Includes other levels of government not shown separately.
²Excludes amounts later allocated for nonhighway purposes. ³Par value. Excludes issue and redemption of short-term notes or refunding bonds. Premiums and discounts on sale of bonds and accrued interest are included with investment income and other receipts. Redemption premiums and discounts are included with interest on debt. ⁴Plus sign (+) indicates net receipt of funds from other levels of government; minus sign (-) indicates net disbursement of funds to other levels.
Source: U.S. Federal Highway Administration, *Highway Statistics*, annual; and releases.

No. 1054. DISBURSEMENTS OF STATE HIGHWAY FUNDS—TOTAL, 1975 TO 1980, AND BY PURPOSE, 1980, BY STATES

[In millions of dollars. Comprises disbursements from current revenues or loans for construction, maintenance, interest and principal payments on highway bonds, transfers to local units, and miscellaneous. Includes transactions by State toll authorities. Excludes amounts allocated for collection and nonhighway purposes, and bonds redeemed by refunding. See also *Historical Statistics, Colonial Times to 1970*, series Q 90-94]

STATE	1975, total	1976, total	1979, total	1980			STATE	1975, total	1976, total	1979, total	1980		
				Total ¹	State highways						Total ¹	State highways	
					Capital out- lays ²	Main- te- nance ³						Capital out- lays ²	Main- te- nance ³
U.S.....	21,131	23,880	26,487	30,049	15,396	4,646	Mo	448	527	589	555	241	125
Ala	364	489	482	517	286	54	Mont	123	155	198	224	154	30
Alaska	254	227	(NA)	274	129	83	Nebr	210	227	(NA)	274	137	30
Ariz	270	315	345	365	198	31	Nev	85	118	132	169	109	24
Ark	283	317	339	425	256	68	N.H	92	125	161	152	54	32
Calif	1,497	1,616	1,723	1,930	779	209	N.J	510	561	607	662	197	190
Colo	239	318	364	411	192	81	N. Mex	142	254	197	197	100	32
Conn	351	328	351	393	160	54	N.Y	1,129	1,582	1,694	1,850	832	242
Del	90	124	118	152	70	19	N.C	541	662	755	807	412	186
D.C	77	83	42	57	12	20	N. Dak	97	120	137	143	83	21
Fla	781	886	929	1,261	812	107	Ohio	877	976	1,025	1,032	387	118
Ga	487	595	722	762	565	73	Okla	290	347	408	461	205	74
Hawaii	105	105	129	134	83	13	Oreg	318	325	391	482	255	69
Idaho	119	144	161	153	64	34	Pa	1,485	1,247	1,235	1,557	470	516
Ill	1,189	1,130	1,352	1,652	974	183	R.I	52	58	68	72	27	19
Ind	529	528	682	686	192	205	S.C	255	277	306	309	165	75
Iowa	409	469	566	504	247	57	S. Dak	98	119	150	151	91	23
Kans	262	334	385	440	257	75	Tenn	467	486	568	609	388	61
Ky	515	670	869	913	541	129	Tex	984	1,112	1,313	1,882	1,463	229
La	545	549	594	682	467	50	Utah	125	146	205	241	173	27
Maine	117	154	169	164	69	55	Vt	76	82	91	87	31	19
Md	443	465	612	663	147	66	Va	574	843	870	894	512	199
Mass	415	358	554	704	306	70	Wash	417	554	708	787	407	121
Mich	794	834	985	997	329	106	W. Va	417	523	614	672	389	127
Minn	358	532	557	611	344	79	Wis	371	413	452	468	198	73
Miss	339	361	427	468	291	33	Wyo	116	130	155	192	136	30

NA Not available. ¹Includes funds for administration and miscellaneous, highway law enforcement, bond interest, bond redemption, and county and local roads and streets. ²Outlays for roads and bridges. ³Includes traffic services.
Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

NO. 1055. FEDERAL-AID PAYMENTS TO STATE AND LOCAL GOVERNMENTS FOR HIGHWAY CONSTRUCTION—STATES AND PUERTO RICO: 1970 TO 1981

(In millions of dollars. For years ending June 30 except, beginning 1978, ending Sept. 30)

STATE	1970	1975	1980	1981	STATE	1970	1975	1980	1981	STATE OR OTHER AREA	1970	1975	1980	1981
Total	4,524	4,674	5,204	5,820	Ill.	185	204	527	398	N.C.	62	92	238	202
Highway trust fund	4,336	4,563	5,006	5,681	Ind.	100	84	170	161	N. Dak.	24	31	60	66
Other	188	291	440	168	Iowa	83	88	143	137	Ohio	243	208	280	272
U.S.	4,520	4,660	5,204	5,820	Kans.	50	68	151	130	Okla.	58	57	108	95
Ala.	82	65	162	228	Ky.	98	98	172	168	Oreg.	70	95	150	154
Alaska	40	80	105	119	La.	110	113	169	184	Pa.	238	267	249	415
Ariz.	68	89	148	139	Maine	21	23	47	42	R.I.	28	17	25	33
Ark.	43	50	158	110	Md.	68	122	246	268	S.C.	35	47	96	84
Calif.	503	350	502	558	Mass.	94	72	172	175	S. Dak.	39	36	136	64
Colo.	57	78	151	112	Mich.	180	174	283	231	Tenn.	102	125	212	214
Conn.	65	60	86	91	Minn.	109	86	197	187	Tex.	227	224	536	570
Del.	10	13	35	41	Miss.	57	58	87	78	Utah	71	54	125	136
D.C.	32	13	9	22	Mo.	106	122	223	198	Vt.	28	25	33	33
Fla.	69	186	419	358	Mont.	82	45	133	126	Va.	112	179	321	257
Ga.	64	115	270	241	Nebr.	38	58	78	78	Wash.	63	113	273	308
Hawaii	33	43	66	51	Nev.	35	26	69	108	W. Va.	116	190	188	215
Idaho	37	42	64	57	N.H.	21	28	38	35	Wis.	42	47	184	147
					N.J.	110	67	174	136	Wyo.	38	33	54	66
					N. Mex.	55	60	77	83	Undet.	-	3	27	32
					N.Y.	258	229	580	437	P. Rico.	4	14	42	27

- Represents zero. ¹Includes \$7 million in 1980 for other U.S. outlying areas.

Source: U.S. Dept. of the Treasury, *Federal Aid to States*, annual.

NO. 1056. FEDERAL AND STATE GASOLINE TAX—STATES: 1970 TO 1981

(Cents per gallon. In effect Dec. 31. See also *Historical Statistics, Colonial Times to 1970*, series Q 223-234)

STATE	1970	1980	1981	STATE	1970	1980	1981	STATE	1970	1980	1981
Total	11.0	12.2	12.3	Iowa	7	10	13	N.C.	9	9	12
Federal	4.0	4.0	4.0	Kans.	7	8	9	N. Dak.	7	8	8
State avg. ¹	7.0	8.2	8.3	Ky. ²	7	9	11	Ohio	7	7	10.3
Ala.	7	11	11	La.	8	8	8	Okla.	6.5	6.58	6.58
Alaska	8	8	8	Maine	8	9	9	Oreg.	7	7	7
Ariz.	7	8	8	Md.	7	9	9	Pa.	8	11	11
Ark.	7.5	9.5	9.5	Mass.	8.5	9.8	11.2	R.I.	8	10	12
Calif.	7	7	7	Mich.	7	11	11	S.C.	7	11	13
Colo.	7	7	9	Minn.	7	11	13	S. Dak.	7	12	13
Conn.	8	11	11	Miss.	8	9	9	Tenn.	7	7	9
Del.	7	9	11	Mo.	5	7	7	Tex.	5	5	5
D.C.	7	11	13	Mont.	7	8	9	Utah	7	9	11
Fla.	7	8	8	Nebr.	8.5	13.6	13.9	Vt.	8	9	11
Ga.	6.5	7.5	7.5	Nev.	6	8	10.5	Va. ³	7	11	11
Hawaii	15	8.5	8.5	N.H.	7	11	14	Wash.	9	12	13.5
Idaho	7	8.5	11.5	N.J.	7	8	8	W. Va.	8.5	10.5	10.5
Ill.	7.5	7.5	7.5	N. Mex.	7	8	8	Wis.	7	9	13.0
Ind.	8	8.5	10.5	N.Y.	7	8	8	Wyo.	7	8	8

¹Estimated. ²Weighted average, based on net gallons taxed. ³8 cents per gallon in Hawaii County; 5 cents elsewhere. ⁴Trucks or combinations with more than 2 axles pay tax of 2 cents per gallon more. ⁵.08 cents per gallon is for inspection fee.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

NO. 1057. PUBLIC HIGHWAY DEBT—STATE AND LOCAL GOVERNMENTS: 1960 TO 1982

(In millions of dollars. Long-term obligations. State data are for calendar years; local data for varying fiscal years. Excludes duplicated and interunit obligations. Municipal debt includes other political subdivisions urban in character. See also *Historical Statistics, Colonial Times to 1970*, series Q 136-147)

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981, est.	1982, est.
Total debt issued¹	1,396	1,870	1,908	2,239	2,224	2,239	1,983	1,984	2,094	1,779	1,888
State	680	586	1,306	1,412	1,462	1,183	942	941	1,128	905	880
County and local rural	180	189	174	222	198	339	238	270	276	200	230
Municipal	336	315	407	605	564	708	703	684	690	605	640
Total debt redeemed²	616	888	1,282	1,492	1,867	1,845	1,583	1,791	1,788	2,311	1,847
State	300	459	782	908	920	980	954	980	1,022	1,579	1,027
County and local rural	98	123	152	168	172	178	170	177	209	230	200
Municipal	220	273	318	416	475	510	469	614	475	502	620
Total debt outstanding	13,180	15,315	15,107	23,801	24,486	25,837	25,837	25,443	26,731	25,578	25,838
State	9,394	10,905	13,903	17,422	17,884	18,187	18,175	18,158	18,292	17,848	18,142
County and local rural	1,280	1,383	1,885	1,822	1,848	2,007	2,075	2,090	2,157	2,088	2,227
Municipal	2,506	3,048	3,518	4,557	4,845	4,843	5,077	5,197	5,312	4,686	5,287

¹Excludes refunding issues. ²Excludes redemptions by refunding.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

NO. 1058. MOTOR VEHICLES—SUMMARY: 1970 TO 1981

ITEM	Unit	1970	1974	1975	1978	1977	1978	1979	1980	1981
SALES, EXPORTS, IMPORTS, AND SCRAPPAGE										
Passenger car factory sales.....	1,000.....	6,547	7,331	6,713	8,500	9,201	9,165	8,419	6,400	6,255
Passenger car (new), retail sales ¹	1,000.....	8,405	8,867	8,640	10,110	11,185	11,312	10,671	8,979	8,536
Domestic ²	1,000.....	7,116	7,449	7,050	8,607	9,104	9,306	8,341	6,581	6,209
Subcompact ³	1,000.....	1,338	786	700	632	953	1,191	1,671	1,604	1,630
Compact ³	1,000.....		1,781	2,336	2,804	2,364	2,391	2,130	1,659	1,568
Standard ³	1,000.....		3,062	1,956	2,394	2,769	2,647	2,147	1,358	1,250
Intermediate ³	1,000.....	5,778	1,819	2,058	2,778	3,018	3,079	2,393	1,957	1,757
Imports ⁴	1,000.....	1,285	1,413	1,587	1,498	2,076	2,000	2,329	2,398	2,327
Passenger cars (new), exported ¹⁵	1,000.....	285	601	640	680	697	706	793	617	548
Passenger cars (new), imported ¹⁶	1,000.....	2,013	2,573	2,075	2,537	2,791	3,025	3,006	3,248	2,999
Canada.....	1,000.....	693	818	734	826	850	833	677	595	564
Germany, Federal Republic of.....	1,000.....	675	620	370	350	424	416	496	471	376
Japan.....	1,000.....	381	792	696	1,129	1,342	1,563	1,617	1,992	1,912
Truck and bus factory sales.....	1,000.....	1,692	2,727	2,272	2,979	3,441	3,706	3,037	1,667	1,701
Truck and bus retail sales ⁷	1,000.....	1,746	2,587	2,351	3,044	3,486	3,914	3,236	2,232	1,972
Light duty (up to 14,000 GVW) ⁸	1,000.....	(NA)	2,184	2,076	2,763	3,145	3,547	2,861	1,964	1,747
Med. duty (14,001-26,000 GVW) ⁸	1,000.....	(NA)	224	169	162	172	164	152	92	74
Heavy duty (over 26,000 GVW) ⁸	1,000.....	126	179	106	119	169	203	223	176	152
Imports, new passenger cars ¹	Mil. dol.....	3,719	7,544	7,483	9,399	11,077	14,072	14,652	16,935	17,939
Trucks and buses, new ¹	Mil. dol.....	381	648	620	834	1,258	2,146	1,841	1,985	4,217
Exports ¹	Mil. dol.....	3,871	8,604	10,658	12,048	12,544	14,546	16,590	16,015	18,121
Passenger cars (new) ⁹	Mil. dol.....	822	2,303	2,852	3,228	3,568	3,623	4,842	3,932	3,928
Trucks and buses (new) ⁹	Mil. dol.....	636	1,422	2,305	2,141	2,098	2,752	3,267	2,977	3,247
Parts and accessories ¹⁰	Mil. dol.....	2,413	4,879	5,501	6,678	6,877	8,173	8,681	9,106	10,946
Vehicles retired from use ^{11 12}	1,000.....	8,298	8,241	6,576	7,928	9,902	9,333	11,228	10,137	9,061
Passenger cars.....	1,000.....	7,461	7,194	5,669	6,829	8,234	7,907	9,312	8,405	7,542
Trucks and buses.....	1,000.....	837	1,047	908	1,097	1,668	1,426	1,916	1,732	1,519
Average age of cars in use.....	Years.....	5.55	5.72	5.99	6.16	6.23	6.32	6.41	6.59	6.87
Average age of trucks in use.....	Years.....	7.33	6.97	6.94	6.97	6.93	6.86	6.89	7.13	7.45
Motorcycle registrations, new ^{13 13}	1,000.....	751	1,011	747	783	849	797	861	838	794
Motorcycle imports, total ¹⁴	1,000.....	1,091	1,543	948	659	860	935	887	1,120	1,057
Value ¹⁵	Mil. dol.....	308	911	713	467	588	797	870	1,142	1,314
Vehicle drivers licenses.....	Million.....	112	125	130	134	138	141	143	146	148
Percent male.....	Percent.....	56.8	54.7	54.3	54.1	53.9	53.7	53.5	53.2	53.0
Percent under 25 years old.....	Percent.....	22.1	22.5	22.6	22.4	22.1	21.9	21.8	21.5	20.7
TIRES AND BATTERIES SHIPMENTS										
Tires, passenger car, total ¹⁶	Million.....	168.6	174.4	167.0	177.0	189.6	193.9	174.0	145.9	165.3
Replacement.....	Million.....	129.6	123.5	122.5	122.9	129.3	135.2	121.9	108.9	125.3
Tires, truck and bus, total ¹⁶	Million.....	25.7	31.8	27.3	31.6	37.2	42.7	39.9	31.1	35.8
Replacement.....	Million.....	16.7	21.0	19.8	22.3	25.9	30.0	28.9	24.4	28.5
Replacement automobile batteries ¹⁷	Million.....	37.9	43.8	39.3	49.2	54.6	56.4	53.7	50.1	53.6
SPECIAL MOTOR VEHICLE TAXES ¹⁸										
Federal excise.....	Bil. dol.....	6.8	5.8	5.6	6.0	6.5	7.0	7.1	6.4	6.5
State motor vehicle carrier receipts.....	Bil. dol.....	3.8	5.0	5.1	6.1	6.4	6.9	7.4	7.6	¹⁹ 7.9
State motor fuel, net.....	Bil. dol.....	6.5	8.1	8.4	8.9	9.3	9.7	9.8	9.6	¹⁹ 10.0
MOTOR VEHICLE REGISTRATIONS										
All vehicles, ²⁰ world.....	Million.....	246.5	315.9	326.1	341.7	362.6	380.0	396.0	411.1	(NA)
United States.....	Million.....	106.4	129.9	132.9	136.5	143.8	148.8	154.1	155.9	(NA)
Other North and Central America.....	Million.....	11.3	14.9	15.7	17.0	18.2	19.0	19.0	19.6	(NA)
South America.....	Million.....	8.1	12.2	13.0	13.0	15.0	16.7	17.3	18.8	(NA)
Europe, non-communist area.....	Million.....	74.3	95.8	98.6	103.0	110.6	111.0	115.0	116.3	(NA)
Europe, communist area.....	Million.....	10.4	14.3	16.6	15.0	16.0	22.5	23.7	29.2	(NA)
Africa.....	Million.....	4.5	6.2	6.6	6.9	7.3	7.6	8.6	9.5	(NA)
Asia, non-communist.....	Million.....	22.9	34.4	36.2	39.1	42.7	45.3	48.5	51.4	(NA)
Asia, communist area.....	Million.....	.5	.7	.7	.7	.7	.7	.9	.9	(NA)
Oceania.....	Million.....	6.0	7.4	7.8	8.0	8.3	8.5	8.8	9.5	(NA)

NA Not available. ¹Based on data from U.S. Dept. of Commerce. ²Includes domestic models produced in Canada.

³Source: Board of Governors of the Federal Reserve System, unpublished data. Represents total auto sales data from *Ward's Automotive Reports*. Criteria by which each year's car models are grouped into the major size categories vary among those collecting data. Data shown here follow *Automotive News* classifications. Beginning 1978 cars produced in U.S. by foreign manufacturer are included in subcompact. ⁴Excludes domestic models produced in Canada. ⁵1970-1977, covers assembled vehicles only. Beginning 1978, includes chassis. ⁶Includes other countries, not shown separately. ⁷Excludes motor-coaches and imports from foreign manufacturers. Beginning 1974, includes imports made by U.S. manufacturers overseas.

⁸Gross vehicle weight (fully loaded vehicle). ⁹Covers assembled and unassembled vehicles. ¹⁰Includes rubber tires and tubes and used vehicles. ¹¹For years ending June 30. Represents vehicles failing to re-register. ¹²Source: R. L. Polk & Company, Detroit, Mich., *New Motorcycle Registrations by States*; vehicles retired from use published in source cited below.

Reproduction prohibited without Polk permission. ¹³Excludes Oklahoma. ¹⁴Source: Motorcycle Industry Council, Inc., Irvine, Calif. Data from U.S. Dept. of Commerce. Excludes mopeds/motorized bicycles and three-wheel all-terrain vehicles. ¹⁵Dutiable value for customs purposes prior to 1980 thereafter, C.I.F. value. ¹⁶Includes original equipment. Also includes exports, not shown separately. Source: The Rubber Manufacturers Association, Inc., Washington, D.C., *RMA Monthly Tire Report*. ¹⁷Source: Battery Council International, Chicago, Ill. ¹⁸Special taxes on motor-vehicle users. Excludes income and property taxes on establishments engaged in the production, sale, and repairing of motor vehicles and their parts; and on truck operating companies. Source: U.S. Federal Highway Administration, *Highway Statistics*, annual, and *Estimates of State Highway-User Tax Receipts*, annual. ¹⁹Estimated. ²⁰Cars, trucks, and buses. Source: 1970-1975, U.S. Bureau of Domestic Business Development, *World Motor Vehicle Production and Registration*, annual.

Source: Except as noted, Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, Mich., *Motor Vehicle Facts and Figures*, annual, and *World Motor Vehicle Data*, annual.

No. 1050. MOTOR-VEHICLE REGISTRATIONS, 1960 TO 1981, AND DRIVERS LICENSES, 1980, BY STATES

[In thousands, except as indicated. Motor vehicle registrations cover publicly, privately, and commercially owned vehicles, for uniformity, figures have been adjusted to a calendar-year basis as registration years in States differ; figures represent net numbers where possible, excluding re-registrations and nonresident registrations]

STATE	AUTOMOBILES, TRUCKS, AND BUSES ¹									Motor- cycles (incl. off- cial) ¹ 1981, est.	DRIVERS LICENSES, 1980		
	1960, Total	1970, total	1975, total	1980, total	1981, est.			Percent change			Total ²	Percent—	
					Total	Automobiles (incl. cab)		1980- 1975, total	1970- 1981, total			Male	Under 25 yr old
						Total	Per 1,000 popula- tion ³						
U.S.	73,868	108,418	132,946	156,799	159,790	124,336	542	48.9	47.4	5,972	145,299	52.1	21.0
Ala.	1,282	1,966	2,493	2,936	3,026	2,140	548	53.4	53.9	78	2,271	52.4	21.6
Alaska	81	139	226	262	259	159	363	71.6	66.3	8	221	56.9	23.5
Ariz.	824	1,093	1,459	1,917	2,047	1,458	522	75.2	87.3	102	1,933	54.3	21.7
Ark.	708	1,043	1,283	1,574	1,630	1,072	487	47.3	56.3	35	1,469	51.9	21.0
Calif.	7,799	11,801	13,891	16,873	17,744	14,019	579	52.6	49.1	761	15,989	53.1	20.4
Colo.	824	1,442	1,925	2,342	2,370	1,765	595	56.1	64.4	115	2,048	52.0	22.5
Conn.	1,107	1,733	1,949	2,147	2,189	2,022	645	56.5	29.3	75	2,174	49.2	20.1
Del.	192	312	351	397	402	324	542	62.5	28.8	12	417	51.7	21.6
D.C.	208	257	255	268	279	257	407	24.8	8.6	5	344	54.6	16.3
Fla.	2,367	4,120	5,395	7,814	7,982	6,399	626	74.1	91.3	222	7,289	52.2	19.0
Ga.	1,512	2,584	3,211	3,818	3,850	2,938	527	70.9	49.0	114	3,424	52.2	21.8
Hawaii	231	405	462	570	582	525	536	75.3	43.7	7	542	55.7	19.7
Idaho	375	488	647	834	861	531	554	30.1	76.4	61	631	52.7	25.5
Ill.	3,779	5,236	6,344	7,477	7,640	6,390	557	38.7	45.9	328	7,003	53.2	22.2
Ind.	2,046	2,816	3,315	3,826	3,659	2,900	530	37.7	36.9	190	3,631	51.7	22.1
Iowa	1,325	1,790	2,089	2,329	2,331	1,670	576	36.1	30.2	233	2,107	52.6	23.1
Kans.	1,163	1,548	1,805	2,007	2,038	1,404	599	33.1	31.7	110	1,675	51.4	22.7
Ky.	1,198	1,763	2,245	2,593	2,604	1,813	495	47.2	47.7	96	2,055	53.8	23.0
La.	1,177	1,742	2,186	2,779	2,863	2,016	488	48.0	64.4	61	2,259	52.5	23.0
Maine	374	510	648	724	744	525	483	36.4	45.9	50	730	52.3	20.0
Md.	1,155	1,872	2,423	2,903	2,867	2,393	591	62.1	52.6	84	2,722	52.4	20.8
Mass.	1,803	2,575	3,107	3,748	3,809	3,320	575	42.8	47.9	113	3,640	50.3	20.1
Mich.	3,306	4,569	5,545	6,498	6,582	5,328	579	38.2	44.1	258	6,400	52.2	24.4
Minn.	1,592	2,207	2,525	3,091	3,142	2,345	573	36.6	42.4	171	2,336	52.3	21.7
Miss.	723	1,117	1,377	1,577	1,635	1,269	501	54.5	46.4	30	1,587	54.0	23.1
Mo.	1,720	2,406	2,866	3,271	3,293	2,447	495	40.1	36.8	112	3,245	52.1	22.4
Mont.	373	485	611	680	723	455	574	30.0	49.1	36	599	55.5	22.4
Nebr.	734	974	1,165	1,254	1,280	848	538	32.7	31.4	87	1,093	52.1	23.7
Nev.	175	355	484	655	687	492	582	102.9	93.5	21	629	53.4	21.2
N.H.	256	390	485	704	724	604	645	92.3	85.6	43	852	52.3	20.7
N.J.	2,401	3,596	4,155	4,761	4,871	4,390	599	49.4	35.6	109	4,926	52.7	18.5
N. Mex.	426	637	827	1,088	1,097	702	529	49.5	72.2	55	865	49.0	25.0
N.Y.	5,067	6,716	7,591	8,002	7,998	6,978	396	32.6	18.9	216	9,240	56.1	16.9
N.C.	1,720	2,626	3,690	4,532	4,617	3,421	575	64.3	63.4	122	3,777	52.0	22.8
N. Dak.	345	428	551	627	638	370	582	24.1	49.1	32	419	52.7	24.8
Ohio	4,087	5,974	7,179	7,771	7,990	6,536	606	46.2	33.7	283	7,031	50.4	19.7
Okl.	1,184	1,713	2,113	2,563	2,729	1,844	595	44.7	59.3	133	1,965	50.6	21.6
Oreg.	919	1,369	1,628	2,081	2,127	1,579	596	49.0	55.4	95	1,991	53.4	19.6
Pa.	4,287	5,818	7,659	9,926	7,131	5,997	497	35.7	22.6	215	7,056	53.8	19.4
R.I.	341	488	563	623	640	557	584	49.1	31.1	27	587	52.0	20.8
S.C.	879	1,390	1,772	1,996	2,020	1,541	467	54.7	48.5	43	1,953	52.5	22.6
S. Dak.	354	426	521	601	606	371	541	20.3	42.7	38	481	52.5	24.9
Tenn.	1,307	2,050	2,727	3,271	3,335	2,597	583	56.8	62.7	85	2,810	52.1	20.7
Tex.	4,457	6,893	8,396	10,475	10,787	7,806	615	50.2	61.2	331	9,288	52.6	21.7
Utah	417	664	845	982	1,000	682	449	59.2	50.6	65	845	50.0	26.2
Vi.	152	229	287	347	360	280	543	50.7	57.2	29	344	52.8	20.9
Va.	1,426	2,263	3,251	3,626	3,704	3,137	578	56.7	63.7	91	3,461	51.0	22.0
Wash.	1,377	2,102	2,540	3,225	3,306	2,344	556	52.7	57.3	153	2,863	53.0	20.1
W. Va.	601	801	966	1,320	1,384	978	501	33.3	72.8	43	1,506	56.7	19.4
Wis.	1,800	2,182	2,591	2,941	3,017	2,449	516	36.4	38.3	176	2,982	52.3	22.6
Wyo.	207	247	337	497	479	282	573	19.3	93.9	23	346	54.3	25.1

- Represents zero. ¹Excludes vehicles owned by military services. ²Based on resident population as of July 1.

³Estimated from data reported by States for current and previous years; allowance has been made for deaths, emigration, or revocation by some States.

Sources: U.S. Federal Highway Administration, *Highway Statistics*, annual, and *Drivers Licenses*, annual.

No. 1060. MOTOR VEHICLES—REGISTRATIONS, FACTORY SALES, AND RETAIL SALES: 1950 TO 1981

(Minus sign (-) denotes decrease. For definition of average annual percent change, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series Q 148-155)

YEAR	REGISTRATIONS ¹ (mil.)			Motor- cycle registrations ² (1,000)	FACTORY SALES (1,000)			PASSENGER CARS RETAIL SALES (1,000)			AVERAGE ANNUAL PERCENT CHANGE	
	Total cars, trucks, buses	Pas- senger cars and trucks	Trucks and buses		Total cars, trucks, buses	Pas- senger cars	Trucks and buses ³	Total	Do- mestic	Im- ports	Registra- tions ⁴	Retail sales
1950	49.2	40.4	8.8	454	NA	6,666	1,337	(NA)	(NA)	(NA)	*7.4	(NA)
1955	62.7	52.1	10.6	412	9,169	7,920	1,249	7,486	7,406	58	5.0	(NA)
1960	73.8	61.7	12.2	574	7,669	6,675	1,194	6,641	6,142	499	3.9	-2.3
1965	90.4	75.3	15.1	1,362	11,057	9,306	1,752	9,332	6,763	569	4.1	7.0
1967	96.9	80.4	16.5	1,953	8,976	7,437	1,539	8,337	7,100	769	3.5	-5.5
1968	100.9	83.6	17.3	2,069	10,718	8,822	1,896	9,656	8,625	1,031	4.1	15.8
1969	105.1	86.9	18.2	2,316	10,147	8,224	1,923	9,583	8,484	1,118	4.2	-8
1970	108.4	89.2	19.2	2,624	8,239	6,547	1,692	8,405	7,119	1,285	3.2	-12.3
1971	113.0	92.7	20.3	3,344	10,636	8,666	2,053	10,250	8,661	1,566	4.2	22.0
1972	118.6	97.1	21.7	3,760	11,271	8,824	2,447	10,950	9,327	1,623	5.1	6.8
1973	125.7	102.0	23.7	4,371	12,637	9,656	2,980	11,439	9,676	1,763	5.6	4.5
1974	129.9	104.8	25.1	4,968	10,059	7,331	2,727	8,867	7,454	1,413	3.4	22.6
1975	132.9	106.7	26.2	4,964	8,965	6,713	2,272	NA	7,053	1,587	2.3	-2.6
1976	138.5	110.4	28.2	4,969	11,480	8,500	2,979	10,110	8,611	1,496	4.2	17.0
1977	142.4	112.3	30.1	4,679	NA	9,201	3,441	11,165	9,109	2,076	2.8	10.6
1978	146.4	116.6	31.8	4,667	12,671	9,166	3,706	11,312	9,312	2,000	4.2	1.1
1979	151.8	118.4	33.4	5,422	17,400	8,419	3,037	10,671	8,341	2,329	2.3	-5.7
1980	155.8	121.6	34.1	5,694	8,067	6,400	1,667	8,979	6,561	2,398	2.6	15.9
1981	*159.8	*124.3	*35.4	*5,972	7,966	6,255	1,701	8,636	6,209	2,327	2.6	-4.9

NA. Not available. ¹Excludes Alaska and Hawaii prior to 1960. Includes publicly owned vehicles. Excludes military services' vehicles. ²Includes standard equipment. ³Excludes motorcycles. ⁴Change from 1945. ⁵Estimate.

Source: Registrations—U.S. Federal Highway Administration, *Highway Statistics*, annual; sales—Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, Mich., *Motor Vehicle Facts and Figures*, annual.

No. 1061. MOTOR VEHICLE ACCIDENTS—NUMBER AND DEATHS: 1960 TO 1981

(1981 data preliminary. See also *Historical Statistics, Colonial Times to 1970*, series Q 206 and Q 224-232)

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Motor vehicle accidents ¹	Million	10.4	13.2	16.0	15.6	16.5	16.8	17.6	18.3	18.1	17.9	(NA)
Cars	Million	16.0	20.3	23.5	20.6	22.5	23.1	23.9	24.6	22.9	22.8	(NA)
Trucks	Million	2.0	2.6	3.2	3.4	3.8	4.1	4.7	5.5	5.4	5.5	(NA)
Motorcycles	1,000	100	235	305	376	372	402	460	460	460	560	(NA)
Motor vehicle deaths within 1 yr ²	1,000	38.1	49.2	54.6	46.4	45.9	47.0	49.5	52.4	52.6	52.6	50.7
Noncollision accidents ³	1,000	11.9	14.9	15.4	12.8	12.7	13.0	13.7	14.5	15.2	15.5	15.5
Collision accidents:												
With other motor vehicles	1,000	14.8	20.8	23.2	19.7	19.5	20.1	21.2	22.4	22.2	21.2	20.2
With pedestrians	1,000	7.9	8.9	9.9	8.5	8.4	8.6	9.1	9.6	9.7	9.6	9.0
With fixed objects ⁴	1,000	1.7	2.2	3.6	3.1	3.1	3.2	3.4	3.6	3.5	4.1	3.6
Deaths within 30 days ⁵	1,000	36.4	47.1	52.6	45.2	44.5	45.5	47.9	50.3	51.1	51.1	49.3
Vehicle occupants	1,000	27.9	36.8	40.6	33.3	32.8	33.9	35.1	37.1	37.2	36.8	35.5
Pedestrians	1,000	7.2	8.0	9.0	7.5	7.5	7.4	7.7	7.8	8.1	8.1	7.8
Motorcyclists ⁶	1,000	8	17	23	34	32	33	41	46	49	51	49
Bicyclists	1,000	5	7	6	1.0	1.0	9	9	9	9	1.0	9
Traffic death rates, ^{7,8}												
Per 100,000 resident population	Rate	20.2	24.3	26.6	21.2	20.7	20.9	21.6	22.7	22.9	22.6	21.5
Per 100,000 registered vehicles	Rate	46.9	51.3	47.9	33.5	32.3	31.7	32.5	32.8	32.0	31.6	29.7
Per 100 million vehicle miles	Rate	5.1	5.3	4.7	3.5	3.4	3.3	3.3	3.3	3.3	3.3	3.2
Per 100,000 licensed drivers	Rate	41.7	47.8	47.2	36.0	34.3	34.0	34.7	35.7	35.7	35.2	33.3
Motor vehicle accidents ⁹	Million	11.4	14.7	22.1	23.7	24.9	25.4	26.7	27.7	26.7	24.1	(NA)
Injuries ¹⁰	1,000	3,076	3,962	4,663	4,634	4,976	5,269	5,575	5,796	5,681	5,230	(NA)
Economic loss ¹¹	Bil. dol.	10.2	14.2	23.5	30.4	36.1	40.9	46.5	52.6	56.4	57.1	(NA)

NA. Not available. ¹Covers only accidents occurring on the road. ²Deaths that occur within one year of accident. Includes collision categories not shown separately. ³Beginning 1970, not comparable with previous years due to classification change. ⁴Within 30 days of accident. Source: U.S. National Highway Traffic Safety Administration, unpublished data from Fatal Accident Reporting System. ⁵Includes motor scooters and motorized bicycles (mopeds). ⁶Based on 30-day definition of traffic deaths. ⁷Source: Insurance Information Institute, New York, N.Y., *Insurance Facts*. Estimates based on official reports from a representative cross-section of States. Includes all motor vehicle accidents on and off the road and all injuries regardless of length of disability. ⁸Wage loss; legal, medical, hospital, and funeral expenses; insurance administrative costs; and property damage.

Source: Except as noted, National Safety Council, Chicago, Ill., *Accident Facts*, annual. (Copyright.)

No. 1062. DEATHS FROM MOTOR-VEHICLE ACCIDENTS—BY STATES: 1970 TO 1979

[Data differ from table 1061 because data are based on date of death, not date of accident. Data reflect State where death occurred. Includes deaths of nonresidents of U.S. Deaths for 1979 classified according to the ninth revision of the *International Classification of Diseases*, for earlier years classified according to the revision in use at the time; see text, p. 57. Data based on Vital Registration System, see Appendix II.]

STATE	1970	1972 ¹	1975	1977	1979	1979	STATE	1970	1972 ¹	1975	1977	1979	1979
U.S.	54,845	58,528	48,032	48,740	52,853	53,708	Ala.	1,297	1,358	1,087	1,225	1,295	1,131
Ala.	1,297	1,358	1,087	1,225	1,295	1,131	Alaska	107	84	120	127	119	87
Alaska	107	84	120	127	119	87	Ariz.	782	858	713	989	1,044	1,078
Ariz.	782	858	713	989	1,044	1,078	Ark.	586	750	577	540	586	550
Ark.	586	750	577	540	586	550	Calif.	5,114	5,300	4,414	5,127	5,880	5,917
Calif.	5,114	5,300	4,414	5,127	5,880	5,917	Colo.	697	746	621	738	736	751
Colo.	697	746	621	738	736	751	Conn.	445	444	404	455	480	565
Conn.	445	444	404	455	480	565	Dal.	158	130	129	122	140	127
Dal.	158	130	129	122	140	127	D.C.	140	100	91	86	86	71
D.C.	140	100	91	86	86	71	Fla.	2,181	2,570	2,087	2,104	2,332	2,685
Fla.	2,181	2,570	2,087	2,104	2,332	2,685	Ge.	1,825	1,940	1,420	1,484	1,548	1,808
Ge.	1,825	1,940	1,420	1,484	1,548	1,808	Hawaii	163	164	153	164	214	223
Hawaii	163	164	153	164	214	223	Idaho	320	384	281	341	331	353
Idaho	320	384	281	341	331	353	Ill.	2,267	2,216	1,818	2,151	2,172	2,053
Ill.	2,267	2,216	1,818	2,151	2,172	2,053	Ind.	1,587	1,578	1,138	1,288	1,312	1,351
Ind.	1,587	1,578	1,138	1,288	1,312	1,351	Iowa	946	904	714	843	881	883
Iowa	946	904	714	843	881	883	Kans.	684	678	531	578	580	549
Kans.	684	678	531	578	580	549	Ky.	1,081	1,114	885	979	908	942
Ky.	1,081	1,114	885	979	908	942	La.	1,194	1,136	983	1,110	1,111	1,258
La.	1,194	1,136	983	1,110	1,111	1,258	Maine	288	252	235	216	246	266
Maine	288	252	235	216	246	266	Md.	809	852	688	688	752	732
Md.	809	852	688	688	752	732	Mass.	918	1,042	895	790	918	882
Mass.	918	1,042	895	790	918	882	Mich.	2,172	2,238	1,911	1,982	2,085	1,988
Mich.	2,172	2,238	1,911	1,982	2,085	1,988	Minn.	1,028	1,052	788	884	903	914
Minn.	1,028	1,052	788	884	903	914	Miss.	947	978	629	750	875	801
Miss.	947	978	629	750	875	801	Mo.	1,479	1,500	1,105	1,235	1,271	1,236
Mo.	1,479	1,500	1,105	1,235	1,271	1,236	Mont.	340	408	394	321	278	348
Mont.	340	408	394	321	278	348	Nebr.	435	504	358	358	357	341
Nebr.	435	504	358	358	357	341	Nev.	278	290	290	290	332	406
Nev.	278	290	290	290	332	406	N.H.	182	172	155	150	168	182
N.H.	182	172	155	150	168	182	N.J.	1,289	1,362	1,099	1,089	1,148	1,173
N.J.	1,289	1,362	1,099	1,089	1,148	1,173	N. Mex.	588	588	556	648	678	686
N. Mex.	588	588	556	648	678	686	N.Y.	3,117	3,140	2,277	2,351	2,549	2,500
N.Y.	3,117	3,140	2,277	2,351	2,549	2,500	N.C.	1,801	2,026	1,580	1,477	1,568	1,580
N.C.	1,801	2,026	1,580	1,477	1,568	1,580	N. Dak.	194	208	183	189	206	157
N. Dak.	194	208	183	189	206	157	Ohio	2,468	2,336	1,852	1,785	2,021	2,244
Ohio	2,468	2,336	1,852	1,785	2,021	2,244	Ola.	787	792	746	887	948	942
Ola.	787	792	746	887	948	942	Oreg.	738	774	582	686	754	720
Oreg.	738	774	582	686	754	720	Pa.	2,349	2,320	2,102	2,035	2,119	2,282
Pa.	2,349	2,320	2,102	2,035	2,119	2,282	R.I.	143	144	140	156	131	148
R.I.	143	144	140	156	131	148	S.C.	1,070	1,148	837	962	919	827
S.C.	1,070	1,148	837	962	919	827	S. Dak.	240	312	216	225	204	230
S. Dak.	240	312	216	225	204	230	Tenn.	1,525	1,526	1,280	1,351	1,387	1,386
Tenn.	1,525	1,526	1,280	1,351	1,387	1,386	Tex.	3,570	3,714	3,472	3,838	3,976	4,213
Tex.	3,570	3,714	3,472	3,838	3,976	4,213	Utah	354	354	285	377	403	352
Utah	354	354	285	377	403	352	Vi.	116	128	124	108	110	154
Vi.	116	128	124	108	110	154	Va.	1,251	1,256	1,086	1,182	1,109	1,070
Va.	1,251	1,256	1,086	1,182	1,109	1,070	Wash.	902	836	694	881	1,052	1,113
Wash.	902	836	694	881	1,052	1,113	W. Va.	581	578	499	527	507	579
W. Va.	581	578	499	527	507	579	Wis.	1,109	1,148	843	888	981	1,036
Wis.	1,109	1,148	843	888	981	1,036	Wyo.	210	198	210	254	249	280
Wyo.	210	198	210	254	249	280							

¹ Represents peak year for deaths from motor vehicle accidents.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.

No. 1063. ESTIMATED LICENSED DRIVERS AND DRIVERS INVOLVED IN FATAL ACCIDENTS, BY AGE-GROUP OF DRIVER: 1981

ITEM	Unit	Total	Under 20 years old	20-24 years old	25-34 years old	35-44 years old	45-54 years old	55-64 years old	65 years old and over
Licensed drivers	1,000	147,888	11,394	18,236	37,436	25,450	20,124	18,348	15,860
Percent distribution	Percent	100.0	7.7	13.0	25.3	17.2	13.6	12.4	10.8
Drivers involved in fatal accidents	1,000	82.1	9.3	13.1	16.9	8.8	5.7	4.4	4.0
Percent distribution	Percent	100.0	15.0	21.1	27.2	13.9	9.2	7.0	6.5

Source: U.S. Federal Highway Administration, *Drivers Licenses*, annual, and U.S. National Highway Traffic Safety Administration, unpublished data from Fatal Accident Reporting System.

No. 1064. AUTOMOBILE INSURANCE: 1960 TO 1981

[In millions of dollars, except as indicated. 1960 and 1965, direct premiums earned and direct losses incurred; beginning 1970, premiums earned basis. See also *Historical Statistics, Colonial Times to 1970*, series Q 163-174.]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981 ¹	
										Private passenger	Commercial
Companies reporting	(NA)	(NA)	925	1,275	1,315	1,363	1,381	1,399	1,470	1,507	
Total insurance:											
Premiums earned	6,448	8,358	14,812	23,880	23,970	28,074	32,383	35,386	37,821	35,578	4,174
Losses paid ¹	3,845	5,221	11,198	18,657	18,541	20,284	22,755	26,130	27,867	27,186	3,419
Percent of premiums	59.5	62.5	75.6	82.4	77.4	69.7	70.2	73.9	74.1	76.4	81.9
Bodily injury liability ²											
Premiums earned	4,060	5,515	9,559	15,150	15,087	18,130	19,897	21,544	22,480	21,028	2,585
Losses paid ¹	2,372	3,484	7,647	12,277	11,599	13,083	14,252	18,016	17,221	18,801	2,263
Percent of premiums	58.4	63.2	79.0	81.0	78.9	72.1	71.3	74.3	76.6	89.3	87.2
Physical damage ³											
Premiums earned	2,388	2,843	5,053	8,710	8,883	10,944	12,396	13,822	15,141	14,551	1,579
Losses paid ¹	1,273	1,737	3,651	7,380	6,941	7,201	8,503	10,114	10,665	10,295	1,157
Percent of premiums	53.3	61.1	72.3	84.7	78.1	66.6	68.8	73.3	70.4	70.8	73.3

NA Not available. ¹ Beginning 1970, includes adjusting expenses. ² Includes property damage. ³ Covers auto fire, theft, collision, and comprehensive.

Source: 1960 and 1965, *The Spectator*, Philadelphia, Pa., *Insurance by States*; thereafter, the National Underwriter Co., Cincinnati, Ohio, *Argus F. C. & S. Chart*, annual (copyright).

Automobile Output—Cars and Trucks

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No. 1065. AUTOMOBILE OUTPUT—PRODUCTION AND VALUE: 1965 TO 1981

ITEM	1966	1970	1975	1974	1973	1978	1977	1976	1975	1980	1981 prel.
New auto sales, total (mil. units)	9.3	9.4	11.4	8.8	8.8	10.0	11.0	11.2	10.8	9.0	8.5
Domestic sales (mil. units)	8.8	7.1	8.6	7.4	7.0	8.5	9.0	9.2	8.2	6.6	6.2
Sales of imports (mil. units)	5	1.3	1.8	1.4	1.8	1.5	2.1	2.0	2.3	2.4	2.3
Percent of total	6.1	15.3	15.5	16.1	18.6	15.0	18.8	17.9	22.1	26.7	27.3
VALUE IN CURRENT DOLLARS (bil.)											
Gross auto output	31.2	29.7	46.2	36.2	40.7	55.9	66.1	66.5	64.0	59.8	60.2
As percent of GNP ¹	4.5	2.9	3.5	2.7	2.6	3.3	3.4	3.2	2.8	2.3	2.4
Final sales	30.5	29.8	45.4	36.1	42.3	54.6	64.0	63.1	60.1	50.9	58.0
Personal consumption expenditures	25.3	27.3	41.2	34.8	38.2	50.0	57.5	63.1	64.6	60.6	67.2
New autos	21.4	21.9	33.9	27.0	29.3	36.1	44.3	48.2	49.1	45.7	49.2
Net purchases of used autos	3.9	5.3	7.3	7.8	8.9	11.9	13.2	14.9	15.7	14.9	18.0
Producers' durable equipment	5.1	4.9	8.3	7.6	7.6	9.8	12.6	14.7	13.4	12.1	13.6
New autos	5.6	7.6	11.6	11.4	12.5	15.4	19.1	22.2	22.5	21.1	24.1
Net purchases of used autos ²	1.5	2.6	3.3	3.8	4.9	5.9	8.5	7.5	9.1	9.0	10.5
Net exports	-3	-2.9	-4.7	-5.0	-4.2	-5.7	-7.0	-10.0	-10.1	-12.6	-13.8
Exports	4	8	1.8	2.3	2.9	3.3	3.6	3.7	4.7	4.0	4.0
Imports	7	3.7	8.5	7.3	7.1	8.9	10.7	13.7	14.8	16.6	17.8
Govt. purchases of goods and services	4	5	8	7	7	7	10	10	10	10	10
Change in business inventories ³	8	12	8	11	15	13	11	6	-11	-11	1.2
Domestic output ⁴	28.3	23.8	40.0	32.6	33.7	46.2	54.8	58.2	57.9	49.1	54.6
Sales of imports ⁵	1.3	5.8	9.0	8.9	10.4	11.4	14.9	16.4	19.9	21.4	24.5
VALUE IN CONSTANT (1972) DOLLARS (bil.)											
Gross auto output	36.7	29.8	46.4	37.1	36.7	46.3	60.7	60.3	47.6	38.7	41.5
As percent of GNP ¹	3.8	2.7	3.7	3.0	2.9	3.5	3.7	3.5	3.2	2.6	2.8
Final sales	34.9	31.0	45.5	36.2	37.0	44.4	49.7	50.1	47.5	39.4	40.8
Personal consumption expenditures	29.2	28.8	40.7	32.2	32.0	38.7	42.1	42.9	41.0	35.8	36.0
New autos	23.5	22.7	33.9	25.5	25.4	31.1	34.4	34.8	33.0	28.3	28.8
Net purchases of used autos	5.7	6.2	8.8	6.7	6.8	7.5	7.7	8.0	8.1	7.5	7.2
Producers' durable equipment	5.6	5.0	8.5	7.3	7.2	8.7	10.9	11.6	10.1	8.3	9.5
New autos	7.3	7.8	11.6	10.7	10.9	12.6	14.8	16.0	15.1	13.0	14.1
Net purchases of used autos ²	1.7	2.6	3.1	3.4	3.7	3.9	3.9	4.5	5.0	4.8	4.6
Net exports	-4	3.4	4.3	-4.0	-2.8	-3.8	-4.0	-5.1	-4.3	-5.4	-5.3
Exports	4	9	1.8	2.2	2.5	2.7	2.8	2.7	3.2	2.6	2.3
Imports	9	4.3	8.1	6.2	5.3	6.3	6.9	7.8	7.6	7.9	7.7
Govt. purchases of goods and services	5	5	8	8	8	8	8	8	7	7	7
Change in business inventories ³	9	12	9	9	13	9	10	2	5	7	7
Domestic output ⁴	31.1	24.6	40.0	30.6	29.2	37.8	42.5	42.1	39.9	30.5	31.9
Sales of imports ⁵	1.4	6.0	9.0	8.4	9.0	9.3	11.8	11.8	12.6	19.3	14.3

¹ For definition of gross national product (GNP), see text, p. 415. ² Minus sign (-) denotes greater sales than purchases of used autos. ³ New and used autos. Minus sign (-) denotes decline in business inventories. ⁴ Consists of final sales and change in business inventories of new autos produced in the U.S. ⁵ Consists of personal consumption expenditures, producers' durable equipment, and government purchases.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*, and *Survey of Current Business*, July 1982.

No. 1066. CARS AND TRUCKS IN USE, BY AGE: 1965 TO 1981

[As of July 1. Excludes vehicles for which age was not known]

AGE	NUMBER (mil.)							PERCENT						
	1965	1970	1975	1976	1977	1980 ¹	1981	1965	1970	1975	1976	1977	1980 ¹	1981
Total cars	88.9	90.4	95.2	102.9	104.7	104.6	105.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 3 years	21.6	24.4	25.8	27.3	28.2	26.8	24.2	24.3	27.1	26.5	26.9	26.9	25.6	22.9
3-5 years	18.0	24.9	27.0	27.3	25.2	25.5	28.8	20.1	27.3	28.5	26.5	24.1	24.4	27.2
6-8 years	13.8	18.4	22.0	23.3	25.0	25.2	23.0	15.5	22.9	23.1	22.6	23.9	24.1	21.7
9-11 years	9.9	7.7	13.9	14.6	14.9	14.6	16.0	11.2	8.6	14.8	14.2	14.3	14.0	15.1
12 years and over	5.9	4.9	6.6	10.8	11.3	12.5	13.9	6.6	6.1	6.9	10.2	10.6	11.9	13.1
Average age	6.9	5.5	6.0	6.3	6.4	6.8	6.9	(x)	(x)	(x)	(x)	(x)	(x)	(x)
Total trucks	13.1	17.7	24.8	30.5	32.8	35.2	36.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 3 years	3.2	4.7	6.9	8.5	9.2	8.8	7.3	24.5	26.5	27.9	27.8	28.2	24.9	20.2
3-5 years	2.5	4.3	5.8	7.4	7.3	8.1	9.7	18.9	24.1	23.3	24.2	22.3	23.1	26.9
6-8 years	2.0	3.0	4.4	5.3	6.2	7.4	7.1	14.9	16.7	17.9	17.4	19.1	21.0	19.7
9-11 years	1.8	1.9	3.2	3.8	4.0	4.4	4.9	14.1	10.5	13.0	12.4	12.3	12.5	13.6
12 years and over	3.6	3.9	4.4	5.5	5.9	6.5	7.2	27.6	22.2	17.8	18.1	18.1	18.4	19.9
Average age	8.0	7.4	6.9	6.9	6.9	7.1	7.5	(x)	(x)	(x)	(x)	(x)	(x)	(x)

X Not applicable. ¹ Beginning 1980, passenger vans (approx. 1.4 million) were reclassified from passenger cars to trucks.

Source: R. L. Polk & Co., Detroit, Mich. in Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, Mich., *Motor Vehicle Facts and Figures*, annual. (Copyright; further reproduction prohibited without Polk permission.)

No. 1067. AUTOMOBILES—FACTORY-INSTALLED EQUIPMENT: 1970 TO 1981

[Refers to model-year production. For certain items, such as air-conditioning, a significant number of units are installed on new vehicles after they leave the factory]

EQUIPMENT	UNITS INSTALLED (mil.)							PERCENT OF CARS PRODUCED						
	1970	1975	1977	1978	1979	1980	1981	1970	1975	1977	1978	1979	1980	1981
Transmission:														
Automatic	7.2	6.2	9.0	8.6	8.2	6.1	5.6	91.0	91.6	95.2	93.1	90.9	82.2	85.3
Manual	7	.8	.5	.6	.8	1.3	1.0	8.9	8.4	4.8	6.8	9.0	17.8	14.6
V-8	6.7	4.9	7.2	6.1	5.6	2.3	1.9	84.2	71.4	76.0	65.6	61.7	31.6	29.0
6-cylinder engine	1.2	1.3	1.7	2.2	2.1	2.7	2.3	15.7	19.6	17.7	24.0	23.1	36.0	36.0
4-cylinder engine	(NA)	.6	.6	.9	1.4	2.4	2.2	(NA)	9.0	6.3	10.2	15.2	32.4	35.0
Power brakes	4.4	5.2	6.5	8.1	7.7	6.2	5.6	56.0	75.6	90.0	87.9	85.5	83.1	86.0
Power steering	6.4	6.1	9.0	8.6	8.2	6.2	5.7	61.2	69.7	95.1	92.6	90.6	82.9	87.1
Power windows ¹	1.3	1.6	2.6	2.8	2.7	1.6	1.7	16.7	24.1	29.3	30.5	29.5	22.3	26.6
Air-conditioning	4.6	4.9	7.7	7.5	7.3	5.4	5.1	60.9	73.1	81.8	80.7	81.0	72.6	78.4
Tinted glass ²	5.5	5.6	8.2	7.9	8.0	5.9	5.8	69.5	80.6	86.7	85.7	86.6	80.6	85.3

NA Not available. ¹Includes station wagon power rear windows. ²Covers windshield and other glass.

Source: Chilton Company, Radnor, Pa., *Annual Statistical Issue, Automotive Industries*. (Copyright.)

No. 1068. CARS IN OPERATION WITH EMISSION CONTROLS: 1965 TO 1981

[As of July 1. Figures show cars with emission controls whether or not the controls are in operation]

EMISSION CONTROLS	CARS (millions)								PERCENT		
	1965	1971	1975	1977	1978	1979	1980 ¹	1981	1971	1975	1981
Total cars	66.9	83.1	95.2	96.9	103.0	104.7	104.6	105.8	100.0	100.0	100.0
No emission controls	46.0	12.8	4.0	2.7	2.3	1.7	1.4	7.4	15.4	4.2	7.0
Crankcase control ²	22.9	35.8	21.4	13.9	11.0	8.9	7.2	43.1	43.1	22.5	25.8
Exhaust and crankcase controls ³	-	27.7	24.6	20.4	17.8	14.9	12.1	10.2	33.3	25.8	9.6
Fuel evaporation and above controls ⁴	-	6.8	16.5	17.2	16.3	14.6	13.0	11.5	6.2	19.4	10.9
Nitrogen oxide and above controls ⁵	-	-	22.0	21.4	21.0	19.9	18.5	17.3	-	23.1	16.3
Catalyst and above controls ⁶	-	-	4.7	24.2	34.6	44.4	52.3	60.4	-	4.9	56.2

- Represents zero.

¹Beginning 1980, passenger vans (approx. 1.4 million) were reclassified from passenger cars to trucks.

²Installed nationwide, starting with 1966 models, to reduce emissions of hydrocarbons. ³Exhaust controls introduced nationwide on 1968 models to accelerate the reduction of hydrocarbon emissions and emissions of carbon monoxide. ⁴Began on 1971 models to eliminate losses from gasoline tanks and carburetors. ⁵Available on some 1971 and 1972 models and all 1973 and later models to lower emissions of nitrogen oxides. ⁶Catalyst or equivalent control systems introduced on cars in 1975 to meet tougher emission levels for hydrocarbons and carbon monoxide.

Source: Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, Mich., *Motor Vehicle Facts and Figures*, annual. Computed from R. L. Polk & Co. data.

No. 1069. MOTOR VEHICLE SAFETY DEFECT RECALLS, BY DOMESTIC AND FOREIGN MANUFACTURERS: 1970 TO 1981

[Covers manufacturers reporting to U.S. National Highway Traffic Safety Administration under section 151 of National Traffic and Motor Vehicle Safety Act of 1966, as amended]

MANUFACTURER	Unit	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Motor vehicles:											
Total recall campaigns ¹	Number	164	251	247	217	209	246	271	275	167	186
Domestic	Number	100	206	206	190	166	195	199	216	129	126
Foreign	Number	54	43	39	27	40	51	72	57	38	28
Total vehicles recalled	1,000	1,240	7,000	2,877	3,106	3,462	12,923	9,063	8,919	4,663	5,605
Domestic	1,000	736	6,667	2,345	1,826	3,019	10,693	7,621	6,997	3,939	7,379
Vehicles recalled by 4 leading auto manufacturers	1,000	563	6,477	2,164	1,602	2,854	10,331	7,670	6,866	3,730	7,247
Foreign	1,000	502	333	531	260	474	2,230	1,141	1,922	924	2,026
Motor vehicle tires:											
Recall campaigns ¹	Number	11	20	26	22	26	35	31	42	24	25
Tires recalled	1,000	160	132	1,064	72	464	471	14,666	235	7,070	125

¹A recall campaign is the notification to the Secretary of the U.S. Dept. of Transportation and to owners, purchasers, and dealers, of a motor vehicle safety defect.

Source: U.S. National Highway Traffic Safety Administration, *Motor Vehicle Safety Defect Recall Campaigns*, annual.

No. 1070. RECREATIONAL VEHICLES—NUMBER AND VALUE OF SHIPMENTS: 1965 TO 1981

TYPE	NUMBER OF SHIPMENTS (1,000)							RETAIL VALUE OF SHIPMENTS (mil. dol.)						
	1965	1970	1975	1978	1979	1980	1981	1965	1970	1975	1978	1979	1980	1981
Total	102.8	300.3	338.6	526.3	907.7	161.4	239.1	308	1,122	2,320	5,643	3,536	1,962	2,775
Motorized homes	4.7	30.3	95.6	293.6	172.6	99.9	135.2	34	318	1,251	4,329	2,682	1,381	2,019
Travel trailers	76.6	136.0	150.6	159.8	90.2	52.0	63.8	169	445	856	1,153	725	485	631
Camping trailers	87.2	116.1	48.1	46.2	31.1	24.5	35.0	30	176	101	116	63	69	106
Truck campers	44.3	95.9	44.3	24.7	13.6	5.0	5.1	75	183	112	85	46	17	20

Source: Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, Mich., *Motor Vehicle Facts and Figures*, annual. Data from Recreation Vehicle Industry Association, *RVs The Family Camping Vehicle, A Year-End Report/1981*

No. 1071. MOTOR-VEHICLE TRAVEL, BY TYPE OF VEHICLE, AND SPEED: 1960 TO 1980

(Travel in billions of vehicle-miles, except as indicated. Travel estimates based on automatic traffic recorder data. Urban travel includes all travel in municipalities and urbanized areas. All other travel is classed as rural. Speed trend data for 1960-1975 were collected by several State highway agencies, normally during summer months; beginning Oct. 1975 all States have monitored speeds at locations on several highway systems as part of 55 mile per hour Speed Limit Monitoring Program. Minus sign (-) denotes decrease. For definition of average annual percent change, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series Q 199-207]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total travel	718	888	1,121	1,268	1,306	1,266	1,330	1,412	1,477	1,646	1,529	1,621
Average annual percent change	13.6	4.3	4.8	6.4	3.2	-1.8	3.5	6.2	4.6	4.8	1.2	-5
Passenger cars ¹	588	712	901	1,004	1,037	1,013	1,051	1,096	1,141	1,194	1,163	1,130
Rural	303	333	406	436	444	427	441	462	475	501	478	459
Urban	285	378	495	568	592	586	610	637	666	694	684	671
Buses	4.4	4.6	5.0	5.1	5.0	5.1	5.1	5.8	5.9	6.1	6.1	6.4
Rural	2.3	2.6	2.8	3.0	2.9	3.0	3.0	3.2	3.2	3.2	3.2	3.3
Urban	2.1	2.2	2.2	2.1	2.1	2.1	2.2	2.6	2.7	2.9	2.9	3.1
Trucks and combinations	126	171	215	260	267	288	275	308	330	348	360	385
Rural	82	103	134	151	154	153	157	183	176	186	188	211
Urban	45	69	81	108	113	114	118	145	153	162	172	174
Average miles per vehicle (1,000):												
Passenger vehicles	9.5	9.3	9.6	10.0	9.8	9.2	9.4	9.5	9.6	9.8	9.3	8.9
Passenger cars ²	9.4	9.3	9.8	10.0	9.8	9.2	9.4	9.5	9.6	9.9	9.2	8.8
Buses	18.0	15.2	13.3	12.6	11.7	11.3	11.1	12.0	12.0	12.1	11.7	12.1
Trucks	10.8	11.6	11.5	12.2	11.5	10.9	10.6	11.1	11.1	11.0	10.8	11.4
Motor vehicle speed: ³												
Vehicles recorded (1,000)	(NA)	(NA)	200	180	181	203	102	515	500	488	506	687
Avg. speed, all vehicles (miles per hr.)	54.8	60.6	63.8	64.9	65.0	57.6	57.8	58.2	58.9	58.9	58.3	57.5
Percent of vehicles exceeding—												
55 m.p.h.	47	72	87	88	88	85	88	89	74	74	72	66
60 m.p.h.	24	51	69	71	72	29	27	32	35	36	32	25
65 m.p.h.	(NA)	(NA)	44	49	50	9	7	10	10	10	9	7

NA. Not available. ¹Change from 1955. ²Includes taxicabs and motorcycles. ³For 1960-1979, based on free flow speed of vehicles recorded on level, straight sections of rural interstate highways during off-peak hours; beginning 1980, based on all vehicles on rural interstate highways. Beginning 1978, for year ending Sept. 30.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual, and unpublished data.

No. 1072. DOMESTIC MOTOR FUEL CONSUMPTION, BY USE: 1960 TO 1980

(Comprises all fuels (gas, diesel, or other fuels) used for propulsion of vehicles under State motor fuels laws. Excludes Federal purchases for military use. Minus sign (-) denotes decrease. See also, *Historical Statistics, Colonial Times to 1970*, series Q 158-162]

ITEM	Unit	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total consumption	Bil. gal.	57.9	71.1	92.3	106.1	110.5	106.3	109.0	116.7	119.6	126.1	122.1	115.0
Avg. annual change	Percent	14.0	4.2	5.4	8.7	6.2	3.8	2.5	6.2	3.4	4.6	2.4	5.8
Passenger vehicles	Bil. gal.	42.0	51.2	66.7	74.3	78.9	75.1	77.4	79.8	81.7	84.6	81.2	74.8
Cars ²	Bil. gal.	41.2	50.3	65.8	73.5	78.0	74.2	76.5	78.8	80.7	83.8	80.2	73.7
Buses (incl. school)	Bil. gal.	.8	.9	.9	.9	.8	.9	.9	1.0	1.0	1.0	1.0	1.1
Trucks ¹	Bil. gal.	15.8	19.9	25.6	30.7	31.6	31.2	31.6	35.9	38.0	40.3	40.9	40.1
Average per vehicle	Gallons	777	775	830	859	851	786	790	807	804	813	785	711
Cars ²	Gallons	661	658	722	730	738	676	685	686	680	688	638	579
Buses (incl. school)	Gallons	3,040	2,844	2,491	2,165	1,991	1,919	1,937	2,015	2,002	2,041	1,968	2,034
Trucks ²	Gallons	1,330	1,347	1,365	1,448	1,361	1,268	1,227	1,262	1,284	1,270	1,225	1,194
Average per gallon	Miles	12.42	12.49	12.14	12.07	11.85	12.09	12.20	12.20	12.34	12.38	12.52	13.23
Cars ²	Miles	14.28	14.15	13.56	13.67	13.29	13.85	13.74	13.93	14.15	14.26	14.49	15.32
Buses (incl. school)	Miles	5.26	5.35	5.34	5.90	5.88	5.90	5.75	5.98	5.98	5.95	5.97	5.95
Trucks ²	Miles	7.96	8.60	8.39	8.58	8.45	8.57	8.68	8.56	8.66	8.64	8.82	9.56

¹Change from 1955. ²Includes taxicabs and motorcycles. ³Includes combinations.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 1073. DOMESTIC MOTOR GASOLINE SUPPLY: 1973 TO 1982

YEAR	SUPPLY ¹ (1,000 bbls. per day)		Pro- duction (1,000 bbls. per day)	Net im- ports (1,000 bbls. per day)	Stocks ² (mil. barrels)	YEAR AND MONTH	SUPPLY ¹ (1,000 bbls. per day)		Pro- duction (1,000 bbls. per day)	Net im- ports (1,000 bbls. per day)	Stocks (mil. barrels)
	Total	Un- leaded					Total	Un- leaded			
1973, avg.....	6,874	(NA)	6,535	130	209	1981, March.....	6,303	3,097	6,213	170	285
1974, avg.....	6,537	(NA)	6,360	202	218	June.....	7,028	3,419	6,220	185	242
1975, avg.....	6,875	(NA)	6,520	182	235	Sept.....	6,862	3,338	6,584	167	237
1976, avg.....	6,878	1,508	6,841	128	231	Dec.....	6,881	3,444	6,586	186	253
1977, avg.....	7,177	1,978	7,033	215	258						
1978, avg.....	7,412	2,521	7,169	189	238	1982, March.....	6,612	3,396	6,004	141	248
1979, avg.....	7,034	2,798	6,852	181	237	June ³	6,472	(NA)	6,584	(NA)	217
1980, avg.....	8,578	3,087	6,508	139	261						
1981, avg.....	8,588	3,264	6,405	185	253						

NA Not available. ¹Production plus net imports less net increase in primary stocks. ²As of Dec. 31 ³Preliminary.
Source: U.S. Energy Information Administration, *Monthly Energy Review*, Aug. 1982, and earlier issues.

No. 1074. ESTIMATED COST OF OPERATING AN AUTOMOBILE: 1970 TO 1981

[1981 estimates based on a standard-size 4-door sedan, operated from the Baltimore, Md. area, costing \$9,232, with an assumed life-span of 12 years, 120,000 miles. Prior years based on life-span of 10 years, 100,000 miles. Similar specifications used in other years shown]

ITEM	TOTAL COSTS (\$1,000)				CENTS PER MILE COST, 1981 (January)						
	1970	1976	1979	1981	12- year aver- age	1st year (14,500 miles)	3d year (12,500 miles)	5th year (10,300 miles)	7th year (9,200 miles)	10th year (7,800 miles)	12th year (6,700 miles)
Total	11.9	17.9	24.6	32.0	26.7	33.6	28.4	29.1	34.0	17.9	17.6
Costs excluding taxes ..	10.5	16.3	23.0	30.2	25.2	29.5	27.3	27.8	32.6	16.8	16.5
Depreciation ..	3.2	4.9	6.3	9.2	7.7	16.9	9.8	8.1	5.7	2.1	1.9
Repairs and maintenance ¹ ..	1.5	3.7	4.8	6.2	5.2	1.1	5.7	5.4	14.8	2.0	1.5
Replacement tires ² ..	.4	.4	.6	.9	.7	1	2	1.0	1.0	1.0	1.0
Accessories ³ ..	(2)	1	1	.2	1	1	1	1	2	2	2
Gasoline ⁴ ..	1.7	3.2	5.4	8.6	7.2	7.2	7.2	7.2	7.2	7.2	7.2
Oil ⁵ ..	.2	.2	1	.2	.2	1	.2	.2	.2	.2	1
Insurance ⁶ ..	1.7	1.7	2.5	4.0	3.3	3.2	3.6	4.1	2.8	3.3	3.6
Garaging, parking, etc. ⁷ ..	1.8	2.2	3.2	.9	.8	.8	.8	.8	.8	.8	.8
Taxes and fees ⁸ ..	1.4	1.6	1.8	1.8	1.5	4.1	1.1	1.2	1.4	1.1	1.1

² Less than \$50. ¹For 1981, includes lubrications, replacing wheel bearings, flushing cooling system, aiming headlights; replacement of minor parts such as spark plugs, fan belts, radiator hoses, fuel filter, and pollution control equipment; minor repairs such as brake jobs, water pump, carburetor overhaul, and universal joints; and major repairs such as a complete "valve job." ³For 1981, covers 6 new regular tires and 2 new snow tires during life of car. ⁴For 1981, includes a set of vinyl floor mats, seat covers, and a pair of extra wheels. ⁵For 1981, gasoline use set at 17 miles per gallon; associated oil use at 1 quart oil every 2,500 miles driven between 50,000 and 75,000 miles and 1 quart every 2,000 miles driven between 75,000 and 120,000 miles. ⁶For 1981 includes \$20,000/40,000 bodily injury, and \$10,000 property damage, \$2,500 personal injury protection, uninsured motorist coverage, and full comprehensive coverage for the 12-year period; \$100 deductible collision insurance was assumed for the first 5 years. ⁷For 1981, includes parking fee average of \$71 per year and toll average of \$749 per year. For 1981, excludes cost of home garage or parking facility which was included in prior years. ⁸For 1981, includes Federal excise taxes on tires of 10 cents per lb., lubricating oil of 6 cents per gallon, and gasoline of 4 cents per gallon, plus the Maryland tax on gasoline of 9 cents per gallon, titling tax of 5 percent of retail price, and registration fee of \$20.00 for 3,700 lb. or less shipping weight, or \$30.00 for vehicles over 3,700 lb. State sales tax of 5 percent included on certain items.

No. 1075. 12-YEAR COST OF OPERATING AN AUTOMOBILE, BY SIZE OF CAR: 1981

[For basis of estimates for components of cost, see footnotes, table 1074. Estimates based on vehicle operated in Baltimore, Md. area with an assumed life-span of 12 years, 120,000 miles]

ITEM	Total ¹	Taxes and fees	Costs, excl. taxes ²	Depreci- ation	Repairs, mainte- nance	Tires	Gasoline	Insur- ance	Park- ing
Total costs (\$1,000):									
Standard ³	32.0	1.8	30.2	9.2	6.2	.9	8.6	4.0	.9
Compact ⁴	25.7	1.4	24.3	7.1	5.2	.6	6.1	4.0	.9
Subcompact ⁵	22.8	1.2	21.4	5.6	5.0	.5	5.2	3.7	.9
Passenger van ⁶	40.0	2.3	37.7	12.9	6.6	.9	10.4	5.3	.9
Cents per mile cost:									
Standard ³	26.68	1.49	25.19	7.69	5.20	.72	7.17	3.33	.76
Compact ⁴	21.44	1.15	20.29	5.93	4.37	.48	5.08	3.33	.76
Subcompact ⁵	18.79	.98	17.81	4.69	4.20	.43	4.35	3.05	.76
Passenger van ⁶	33.33	1.93	31.40	10.73	5.52	.73	8.71	4.44	.9

¹Includes accessories and oil. ²Fully equipped 4-door sedan, price \$9,232 ³2-door sedan, price \$7,111 ⁴2-door sedan, price \$5,625. ⁵Passenger van, price \$12,877

Source of tables 1074 and 1075: U.S. Federal Highway Administration, *Cost of Operating an Automobile*, periodic.

NO. 1076. GASOLINE FUEL—RETAIL PRICES, SELECTED COUNTRIES: 1973 TO 1980

[In U.S. cents per U.S. gallon, except percent. As of July, except as indicated. Price includes tax except as noted. For most countries, based on exchange rates in effect as of July 31 of year shown. For explanation of average annual percent change, see Guide to Tabular Presentation]

ITEM	1973	1974	1975	1976	1977	1978	1979	1980	Average annual percent change, 1973-1980
United States: ¹ Regular	40	53	57	59	62	63	66	119	16.9
Premium	45	57	61	64	67	69	92	128	16.1
Tax	11	11	12	12	12	13	14	14	3.5
Unleaded	(NA)	55	60	61	66	67	90	125	² 14.7
France, Paris: Regular	106	132	156	140	170	215	243	297	15.9
Tax	62	81	94	81	110	130	167	170	11.0
Premium	115	143	169	151	184	232	262	317	15.6
Italy, Rome: Regular	99	169	186	174	206	216	244	308	17.8
Tax	79	120	115	116	153	160	166	189	13.3
Premium	105	177	171	181	215	225	253	315	17.0
United Kingdom: Regular	78	104	127	104	118	114	218	260	18.8
Tax ⁴	48	45	41	44	43	47	70	124	14.5
Premium	81	108	131	105	121	119	221	265	18.5
Germany, F.R., Bonn: Regular	118	127	125	139	144	168	209	246	11.1
Tax ⁵	72	65	65	65	73	81	91	123	8.0
Premium	131	137	134	148	154	176	219	257	10.1
Canada, Ottawa: Regular	49	57	66	66	69	67	71	81	7.4
Tax	19	19	23	29	28	26	24	25	4.0
Premium	53	62	67	72	75	73	78	89	7.7
Mexico, Mexico City: Regular	24	42	64	66	46	47	47	⁶ 45	9.4
Tax	(NA)	(NA)	31	31	22	22	22	⁶ 16	13.5
Premium	36	61	91	92	66	67	67	⁶ 113	17.8
Japan, Tokyo: Regular	83	136	136	136	163	201	227	272	18.5
Tax ⁴	42	45	45	57	81	87	95	93	12.0
Premium	98	155	163	151	178	223	248	286	16.7

NA Not available. ¹1973-1976 prices for regular and premium at Washington, D.C., all other data are national averages.

²1974-1980. ³Excludes value-added tax. ⁴January 1981. ⁵Excludes import duty.

Source: U.S. Energy Information Administration; Regular—*International Petroleum Annual*; Premium—*International Energy Annual*, August 1981, U.S. *Monthly Energy Review*.

NO. 1077. HOUSEHOLD MOTOR VEHICLE TRANSPORTATION, BY VEHICLE CHARACTERISTICS, 1981

[Excludes Alaska and Hawaii. Household vehicles include all motorized vehicles used for personal transportation, excluding motorcycles, mopeds, large trucks, and buses. Based on the Household Transportation Panel Survey; subject to sampling variability]

ITEM	Unit	Total ¹	VEHICLE SIZE				MODEL YEAR		
			Full size	Inter-mediate	Compact	Sub-compact	1968 and earlier	1970 to 1974	1975 to 1981
Miles driven	Billions	1,084.2	240.0	203.9	199.9	215.8	68.3	299.7	705.2
Average per vehicle per month	Number	717.9	662.2	725.4	717.2	811.1	371.4	593.7	904.4
Fuel expenditures	Bil. dol.	88.7	23.1	18.2	16.4	11.4	6.1	28.9	54.6
Average per vehicle per month	Dollars	58.8	63.8	64.7	56.3	44.9	34.1	53.2	70.1
Leaded fuels	Bil. dol.	40.0	9.8	8.2	5.1	4.7	6.8	21.7	11.8
Unleaded fuels	Bil. dol.	43.8	11.7	10.9	9.4	6.1	.8	2.5	40.7
Diesel and unknown	Bil. dol.	5.9	1.6	1.0	.9	.7	.9	2.6	2.3
Fuel purchased	Bil. gal.	74.9	19.3	15.0	12.8	8.5	6.8	22.8	45.1
Average per vehicle per month	Gallons	49.1	53.1	53.5	45.9	37.3	28.9	45.2	57.9
Leaded fuels	Bil. gal.	34.2	8.4	5.3	4.4	4.0	5.8	18.5	10.0
Unleaded fuels	Bil. gal.	35.7	9.5	8.9	7.7	4.9	.5	2.1	33.1
Diesel and unknown	Bil. gal.	5.0	1.4	.9	.8	.5	.8	2.2	2.0
Miles per gallon	Number	14.7	12.5	13.6	15.7	22.7	12.9	13.2	15.7

¹Includes other and unknown, not shown separately.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption Patterns of Household Vehicles, June 1979 to December 1980*.

No. 1078. HOUSEHOLD TRANSPORTATION, BY HOUSEHOLD CHARACTERISTICS: 1980

[Excludes Alaska and Hawaii. Household vehicles include all motorized-vehicles used for personal transportation, excluding motorcycles, mopeds, large trucks, and buses. Based on the Household Transportation Panel Survey, subject to sampling variability]

ITEM	Unit	Total	HOUSEHOLD LOCATION		FAMILY INCOME		NUMBER OF VEHICLES USED BY HOUSEHOLD		NUMBER OF DRIVERS IN HOUSEHOLD ¹	
			Urban areas	Rural areas	Less than \$15,000	Above \$15,000	One vehicle	Two or more vehicles	1 or 2 drivers	3 or more drivers
Miles driven.....	Billions	1,094.2	719.8	374.4	355.2	738.9	239.7	854.5	796.8	294.9
Average per vehicle per month.....	Number...	717.9	697.0	761.9	(NA)	(NA)	720.7	717.1	695.1	790.6
Fuel expenditures.....	Bill. dol....	88.7	59.5	30.1	29.8	59.9	20.2	68.4	65.0	24.4
Average per vehicle per month.....	Dollars.....	58.8	57.7	61.3	(NA)	(NA)	60.9	58.3	56.7	65.5
Leaded fuels.....	Bill. dol....	40.0	25.3	14.7	14.4	25.7	7.5	32.5	28.1	11.8
Unleaded fuels.....	Bill. dol....	43.8	30.4	13.4	12.8	31.1	11.1	32.6	32.2	11.5
Diesel and unknown.....	Bill. dol....	5.9	3.9	2.0	2.6	3.2	1.6	4.2	4.7	1.2
Fuel purchased.....	Bill. gal....	74.9	49.5	25.4	24.9	50.0	18.7	56.2	54.2	20.5
Average per vehicle.....	Gallons.....	49.1	47.9	51.7	(NA)	(NA)	50.3	48.8	47.3	55.0
Leaded fuels.....	Bill. gal....	34.2	21.5	12.6	12.2	21.9	6.3	27.8	23.9	10.1
Unleaded fuels.....	Bill. gal....	35.7	24.7	11.0	10.3	25.4	9.1	26.6	26.2	9.4
Diesel and unknown.....	Bill. gal....	5.0	3.3	1.7	2.3	2.7	1.4	3.6	4.0	1.0
Miles per gallon.....	Number...	14.7	14.6	14.8	(NA)	(NA)	14.4	14.7	14.8	14.4

NA Not available. ¹Excludes small number of unknown.
Source: U.S. Energy Information Administration, *Consumption Patterns of Household Vehicles, June 1979 to December 1980*, April 1982.

No. 1079. PRINCIPAL MEANS OF TRANSPORTATION TO WORK—SELECTED METROPOLITAN AREAS: 1980

[Workers 16 years old and over. As of April 1. Covers SMSA's with population of 1 million or more. Provisional data based on Early National Sample from the 1980 census, see text, pp. 1-4 and Appendix III]

METROPOLITAN AREA	Work-ers (1,000)	PERCENT USING—				METROPOLITAN AREA	Work-ers (1,000)	PERCENT USING—			
		Car, truck, or van		Public trans- portation ¹	Other means ²			Car, truck, or van		Public trans- portation ¹	Other means ²
		Drive alone	Car-pool					Drive alone	Car-pool		
Anaheim-Santa Ana-Garden Grove, Calif.....	948	75.1	16.1	1.9	6.9	Nassau-Suffolk, N.Y.....	1,157	63.4	18.1	12.2	6.3
Atlanta, Ga.....	955	69.5	18.9	7.4	4.2	New Orleans, La.....	477	62.1	21.1	10.5	6.3
Baltimore, Md.....	959	60.4	22.4	10.6	6.7	New York, N.Y.-N.J.....	3,784	31.0	11.8	43.5	13.8
Boston, Mass.....	1,285	55.3	17.6	15.8	11.3	Newark, N.J.....	863	64.6	17.3	10.6	7.5
Buffalo, N.Y.....	501	67.2	18.8	6.5	7.5	Philadelphia, Pa.-N.J.....	1,934	59.2	17.7	14.4	8.8
Chicago, Ill.....	3,114	57.8	16.8	17.6	7.7	Phoenix, Ariz.....	863	71.1	18.8	1.9	8.2
Cincinnati, Ohio-Ky.-Ind....	590	69.0	18.2	7.0	5.9	Pittsburgh, Pa.....	922	61.0	18.7	11.7	8.6
Cleveland, Ohio..	822	67.9	15.7	10.7	5.7	Portland, Oreg.-Wash.....	573	65.4	17.9	8.4	8.4
Columbus, Ohio..	486	70.4	17.2	5.5	6.9	Riverside-San Bernardino-Ontario, Calif...	624	70.9	19.2	1.0	8.9
Dallas-Fort Worth, Tex.....	1,464	71.2	20.2	3.6	5.0	Sacramento, Calif.....	433	66.4	18.6	3.9	9.1
Denver-Boulder, Colo..	803	65.1	20.1	6.9	7.9	St. Louis, Mo.-Ill.....	1,011	67.1	21.2	6.0	5.7
Detroit, Mich.....	1,662	74.8	16.9	3.5	4.8	San Antonio, Tex.....	444	66.9	20.4	5.1	7.7
Fort Lauderdale-Hollywood, Fla.....	424	74.4	17.2	2.4	6.0	San Diego, Calif.....	865	63.3	17.8	3.1	15.8
Houston, Tex.....	1,405	69.5	22.6	2.8	5.1	San Francisco-Oakland, Calif.....	1,549	56.9	16.0	17.1	10.0
Indianapolis, Ind.....	524	71.7	20.4	2.9	5.0	San Jose, Calif...Seattle-Everett, Wash.....	647	72.6	16.7	3.2	7.5
Kansas City, Mo.-Kans.....	621	69.8	21.1	4.4	4.7	Tampa-St. Petersburg, Fla.....	602	71.9	18.3	1.6	8.2
Los Angeles-Long Beach, Calif.....	3,395	66.7	17.5	6.3	7.5	Washington, D.C.-Md.-Va....	1,562	52.6	23.3	15.9	8.1
Miami, Fla.....	715	67.8	18.9	6.4	7.0						
Milwaukee, Wis..	639	66.2	18.8	7.2	7.8						
Minneapolis-St. Paul, Minn.-Wis.....	1,048	63.8	19.2	8.2	8.8						

¹Includes bus or streetcar, subway or elevated train, railroad, and taxicab.
²Includes motorcycle, bicycle, walked only, worked at home, and all other modes not specified.

Source: U.S. Bureau of the Census, *1980 Census of Population and Housing, Supplementary Report*, series PHC 80-S1-1.

NO. 1000. PASSENGER TRANSIT INDUSTRY—SUMMARY: 1960 TO 1990

[Beginning 1970, includes Puerto Rico. Comprises all privately and publicly owned organized local passenger transportation agencies except taxicabs, suburban railroads, and sightseeing and school buses. Covers (a) local motorbus lines, (b) light rail lines, (c) heavy rail lines, and (d) trolley coach lines. Based on financial and statistical reports received by American Public Transit Association from transit systems representing more than 85 percent of the industry. See also *Historical Statistics, Colonial Times to 1970*, series Q 238-250]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980, prel.
Operating systems	Number	1,251	1,145	1,079	947	955	1,000	1,018	1,027	1,044
Motorbus systems ¹	Number	1,236	1,145	1,075	941	950	1,004	1,014	1,023	1,044
Publicly owned systems ¹	Number	54	78	144	333	375	455	463	523	576
Passenger vehicles owned	Number	66,292	81,717	81,250	82,225	83,787	83,287	84,813	85,739	70,993
Motorbuses	Number	49,600	49,600	49,700	50,811	52,362	51,966	52,898	54,460	50,411
Electric railway cars ^{2,3}	Number	11,898	10,894	10,600	10,712	10,720	10,674	10,554	10,524	10,749
Heavy rail	Number	9,010	9,115	9,338	9,608	9,714	9,639	9,567	9,522	9,693
Trolley coaches	Number	3,825	1,483	1,050	703	685	645	583	725	823
Operating revenue ⁴	ML. dol.	1,407	1,444	1,707	2,002	2,181	2,280	2,361	2,524	2,568
Motorbus	ML. dol.	968	1,036	1,236	1,436	1,466	1,584	1,671	1,781	1,791
Electric railway ^{2,3}	ML. dol.	399	386	440	548	680	681	685	726	751
Heavy rail	ML. dol.	262	310	364	517	631	653	665	665	717
Expenses	ML. dol.	1,377	1,454	1,696	3,732	4,082	4,386	4,769	5,011	6,514
Operating income ⁵	ML. dol.	31	-11	-288	-1,750	-1,921	-2,086	-2,408	-3,067	-3,946
Operating assistance	ML. dol.	(NA)	(NA)	(NA)	1,408	1,647	1,904	2,232	2,910	3,618
Federal	ML. dol.	(NA)	(NA)	(NA)	302	423	585	690	866	1,063
State	ML. dol.	(NA)	(NA)	(NA)	407	387	476	569	636	820
Local	ML. dol.	(NA)	(NA)	(NA)	699	857	641	978	1,417	1,704
Vehicle-miles operated ⁶	Million	2,143	2,688	1,883	1,980	2,028	2,021	2,038	2,046	2,008
Motorbus	Million	1,578	1,528	1,409	1,526	1,581	1,623	1,630	1,634	1,677
Electric railway ^{2,3}	Million	468	437	441	446	430	383	364	400	406
Heavy rail	Million	391	395	407	423	407	361	364	380	365
Passengers carried ⁶	Million	8,386	8,253	7,232	6,972	7,081	7,386	7,618	8,130	8,238
Motorbus ⁶	Million	6,425	5,814	5,034	5,084	5,247	4,949	5,142	5,552	5,731
Electric railway ^{2,3}	Million	2,313	2,134	2,116	1,810	1,759	2,267	2,404	2,503	2,412
Revenue passengers carried	Million	7,521	6,788	5,892	5,843	6,673	6,723	6,968	8,370	8,388
Motorbus	Million	5,069	4,730	4,058	4,095	4,166	4,246	4,406	4,746	4,774
Electric railway ^{2,3}	Million	2,005	1,862	1,748	1,493	1,450	1,425	1,506	1,589	1,513
Heavy rail	Million	1,670	1,678	1,574	1,368	1,353	1,335	1,415	1,474	1,420
Trolley coach	Million	447	166	126	56	54	51	51	55	71
Average fares:										
Motorbus	Cents	18.0	20.6	29.4	32.0	32.8	34.9	35.8	36.1	37.5
Light rail	Cents	22.1	23.8	27.0	29.9	28.9	30.2	33.4	33.8	37.9
Heavy rail	Cents	18.1	16.6	23.4	36.3	45.6	47.5	48.1	46.9	50.5
Trolley coach	Cents	18.1	21.6	23.6	27.5	27.6	28.2	28.1	26.7	36.6
Employees, number (avg.) ⁷	1,000	186	148	138	166	183	193	186	179	189
Payroll, employee	ML. dol.	857	964	1,274	2,236	2,404	2,547	2,741	3,025	3,142

NA Not available. ¹Includes systems with combined services including motorbuses, heavy rail cars, light rail cars, trolley coaches, cable cars, and inclined plane cars. ²Includes light rail. ³Beginning 1975, includes cable car and inclined plane. ⁴Includes trolley coach, not shown separately. ⁵Minus sign (-) denotes deficit. ⁶Data for 1960-1979 not comparable with later years. ⁷Beginning 1970, includes part-time employees counted individually.

Source: American Public Transit Association, Washington, D.C., *Transit Fact Book*, annual.

NO. 1001. FEDERAL GRANT APPROVALS FOR MASS TRANSPORTATION: 1965 TO 1981

[In millions of dollars. For years ending June 30 through 1979 except, beginning 1977, ending Sept. 30. Excludes direct Congressional authorizations to States or localities (major example is Washington, D.C.'s Metro System). Mass transportation is defined as transportation by bus, or rail or other conveyance, either publicly or privately owned which provides to the public general or special service (excluding school buses, charter and sightseeing service) on a regular and continuing basis]

TYPE OF GRANT	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total grant approvals	51	133	364	956	1,430	1,843	2,298	2,722	2,870	3,906	4,076
Capital grant approvals	51	133	364	956	1,287	1,479	1,724	2,037	2,102	2,787	2,946
Section 3 ¹	31	133	364	870	1,197	1,082	1,250	1,400	1,225	1,865	1,825
Section 5 ¹	(X)	(X)	(X)	(X)	9	26	39	50	256	431	361
Interstate and urban system ¹	(X)	(X)	(X)	88	81	361	434	587	821	701	690
Operating grant approvals, Section 5 ¹	(X)	(X)	(X)	(X)	143	364	672	665	868	1,121	1,130

X Not applicable. ¹Grants allowed under Urban Mass Transportation Act of 1964 as amended. Section 3 grants are discretionary grants awarded upon application by local authorities. Section 5 grants are formula grants awarded to cities meeting certain criteria. ²Grants under Federal Highway Act of 1973.

Source: American Public Transit Association, *Transit Fact Book*, annual. Data from U.S. Urban Mass Transportation Administration.

NO. 1082. CLASS I INTERCITY MOTOR CARRIERS OF PROPERTY, BY CARRIER: 1975 AND 1980

[See headnote, table 1083. Common carriers are carriers offering regular scheduled service. Contract carriers provide service at request of user. Minus sign (-) denotes loss.]

ITEM	Unit	COMMON CARRIER, GENERAL FREIGHT		COMMON CARRIER ¹		CONTRACT CARRIER ¹		CARRIERS OF HOUSEHOLD GOODS	
		1975	1980	1975	1980	1975	1980	1975	1980
Carriers reporting	Number	366	296	330	441	50	69	32	29
Number of employees, average	1,000	379	413	94	101	10	14	4	10
Compensation of employees	Mil. dol.	5,726	6,803	1,046	1,931	175	336	70	157
Operating revenue	Mil. dol.	11,116	19,725	3,907	6,782	453	1,272	686	1,824
Intercity freight	Mil. dol.	10,511	19,480	3,717	6,339	411	1,172	765	1,676
Operating expenses	Mil. dol.	10,571	18,670	3,756	6,426	432	1,207	649	1,781
Ordinary income before taxes	Mil. dol.	432	701	100	230	17	48	32	74
Net income	Mil. dol.	225	72	65	14	9	29	16	42
Total power units, intercity service	1,000	78	102	69	95	8	13	16	25
Trucks, tractors owned in operation, average	1,000	49	73	25	33	5	7	(2)	1
Intercity vehicle-miles	Million	6,246	6,547	4,778	5,689	454	934	666	989
Tons of intercity revenue freight carried	Million	191	178	264	324	21	(NA)	3	(NA)

² Less than 500. ³ Other than general freight.

Source: U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, Part 2, annual.

NO. 1083. CLASS I INTERCITY MOTOR CARRIERS OF PASSENGERS: 1960 TO 1980

[Carriers subject to ICC regulations. See text, p. 604. See also *Historical Statistics, Colonial Times to 1970*, series Q 66-75.]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
Carriers reporting	Number	143	158	71	81	77	78	42	43	45	48
Number of employees, average	1,000	35	35	34	36	31	32	27	26	27	31
Compensation of employees	Mil. dol.	186	250	317	415	383	448	400	412	489	569
Operating revenue	Mil. dol.	463	607	722	933	942	975	969	1,021	1,200	1,397
Passenger revenue ²	Mil. dol.	382	467	524	662	651	645	655	671	802	947
Special bus revenue and other	Mil. dol.	81	141	196	271	291	(NA)	314	345	398	215
Expenses	Mil. dol.	405	514	639	859	880	937	924	983	1,143	1,316
Net operating revenue	Mil. dol.	58	90	83	74	61	37	45	38	57	79
Ordinary income											
Before income taxes	Mil. dol.	55	90	88	93	83	49	56	57	57	107
After income taxes	Mil. dol.	28	52	52	61	56	32	40	41	57	90
Passenger vehicles in service ³	1,000	12.7	13.3	13.3	13.8	9.7	(NA)	8.3	8.5	8.2	6.6
Vehicle-miles passenger	Million	943	947	871	886	835	(NA)	754	726	754	761
Revenue passengers carried	Million	288	219	174	169	147	(NA)	122	118	122	134
Expense per vehicle-mile	Dollar	48	54	73	97	1.05	(NA)	1.23	1.35	1.52	(NA)

NA Not available. ¹ Excludes carriers preponderantly in local or suburban service and carriers engaged in transportation of both property and passengers. ² Includes \$4 million from Government authorities for current operations. ³ Regular route, intercity and local.

Source: U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, 1960-1970, Part 7, and 1974-1980, Part 2, annual; except 1976, *Financial and Operating Statistics, Class I Motor Carriers of Passengers*, statement No. 750, semiannual. (Discontinued in 1979.)

NO. 1084. BUS AND TRUCK CARRIERS, BY KIND OF BUSINESS: 1977

[Includes only establishments with payroll and not subject to regulation by the Interstate Commerce Commission; excludes bus carriers operated by municipalities or other governmental bodies.]

CARRIERS BY KIND OF BUSINESS	Estab- lish- ments	Oper- ating revenue (mil. dol.)	Pay- roll (mil. dol.)	Paid employ- ees ¹ (1,000)	TYPE OF TRUCK CARRIER	Estab- lish- ments ⁴	OPERATING REVENUE ² (mil. dol.)	
							Total ³	Motor carrier ⁵
Passenger transport ⁶	1,380	467	242	25	Total truck carriers	58,335	12,619	11,577
Local scheduled carriers	379	213	137	11	General freight	14,252	3,513	3,308
Airport bus or limo	119	47	20	3	Household goods	5,751	1,125	784
Sightseeing bus	318	70	26	4	Sand and gravel	10,579	2,211	2,083
Intercity scheduled bus	190	38	25	2	Trash or garbage	6,541	1,271	1,187
Charter or special bus	354	89	34	5	Package delivery	1,710	317	307
Motor freight transport	58,335	12,619	3,641	334	Agricultural products	10,725	2,088	1,970
Local truck or draying	41,770	8,234	2,393	219	Mail, contract	2,029	283	275
Trucking, except local	12,020	3,109	797	89	Timber	1,892	376	361
Local trucking, storage ⁷	4,545	1,276	451	46	Other commodities	4,887	1,433	1,324

¹ For week including March 12. ² Excludes taxicabs, ambulance services, other nonscheduled carriers, school buses, and terminal and service facilities. ³ Includes household goods. ⁴ Establishments reporting represent 62 percent of all establishments. ⁵ Revenue of establishments reporting its source represents 68 percent of total operating revenue of all establishments. Revenue of establishments reporting its source and type of carrier represents 66 percent of total operating revenue of all establishments. ⁶ Includes revenue from warehousing and storage and other sources. ⁷ Includes local trucking, moving, and storage.

Source: U.S. Bureau of the Census, *Census of Transportation*, 1977

NO. 1065. INTERCITY BUS LINES—SUMMARY OF OPERATIONS: 1960 TO 1981

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Operating companies.....	Number	1,150	1,100	1,000	950	1,000	1,050	1,100	1,200	1,330	1,470
Buses.....	1,000	21.0	19.9	22.0	20.5	20.1	20.1	20.4	21.3	21.4	21.2
Miles of highway served (Dec. 31) ¹	1,000	265	263	267	274	276	276	278	280	279	272
Employees (Dec. 31) ²	1,000	45	45	50	47	46	46	46	48	49	49
Total bus miles.....	Millions	1,062	1,157	1,209	1,128	1,118	1,118	1,100	1,153	1,162	1,136
Revenue passengers.....	Millions	366	378	401	351	340	329	336	368	365	375
Revenue passenger-miles.....	Billions	19.3	23.8	25.3	25.4	25.1	26.0	25.6	27.7	27.4	26.9
Operating revenue, all services.....	Mil. dol	566	701	801	1,172	1,232	1,391	1,419	1,864	1,943	2,075
Operating expenses.....	Mil. dol	485	600	812	1,103	1,180	1,278	1,368	1,572	1,811	1,963
Net operating revenue ³	Mil. dol	81	101	89	68	52	55	53	92	132	112

¹Includes duplication between carriers.²Operating companies only.³Before income taxes.Source: American Bus Association, Washington, D.C., *Bus Facts*, annual.

NO. 1066. TRUCKS AND TRUCK-MILES, BY VEHICLE AND OPERATIONAL CHARACTERISTICS: 1977

(Data are based on a stratified probability sample of trucks drawn from current registrations on file with motor vehicle departments in the 50 States and D.C.)

ITEM	TRUCKS (1,000)		TRUCK-MILES (bil.)		ITEM	TRUCKS (1,000)		TRUCK-MILES (bil.)	
	Total	Ex- cluding pick- ups, panels	Total	Ex- cluding pick- ups, panels		Total	Ex- cluding pick- ups, panels	Total	Ex- cluding pick- ups, panels
Total trucks.....	26,213	4,062	312.5	74.2	Body type—Cont.				
Major use:					Utility truck.....	201	201	2.2	2.2
Agriculture, forestry and lumbering.....	4,466	1,203	40.0	9.6	Dump truck.....	452	452	6.4	6.4
Construction.....	1,765	601	25.7	6.1	Tank truck.....	272	272	7.3	7.3
Manufacturing.....	366	197	6.8	6.2	All other.....	471	471	6.7	6.7
Wholesale and retail trade.....	2,008	759	36.6	17.3	Size-class: ¹				
For hire.....	547	453	23.7	22.0	Light.....	22,395	660	236.4	5.5
Personal transportation.....	14,261	35	143.4	1	Medium.....	1,563	1,153	16.2	10.9
Utilities and services.....	2,122	536	26.1	5.7	Light-heavy.....	802	796	6.2	6.2
All other.....	676	276	6.3	5.2	Heavy-heavy.....	1,433	1,433	49.7	49.7
Body type:					Annual miles:				
Pickup.....	17,632	(X)	182.9	(X)	Less than 5,000 miles.....	6,260	1,422	13.1	2.6
Panel, multi-stop ²	4,519	(X)	55.4	(X)	5,000–9,999 miles.....	6,296	735	43.5	4.9
Platform and centerback.....	1,779	1,779	18.9	18.9	10,000–19,999 miles.....	9,691	610	122.7	10.7
Vans ³	667	667	32.7	32.7	20,000–29,999 miles.....	2,406	358	54.1	6.2
					30,000–49,999 miles.....	960	302	34.2	11.2
					50,000 miles or more.....	557	435	44.8	36.6

X Not applicable. ¹Vans similar to panel trucks are included in panel, multi-stop. ²Gross vehicle weight (empty-weight of the vehicle plus the maximum carried load). Light=10,000 lbs. or less; medium=10,001–19,500 lbs.; light-heavy=19,501–26,000 lbs.; and heavy-heavy=26,001 lbs. or more.Source: U.S. Bureau of the Census, *U.S. Census of Transportation: 1977*, TC77-T52.

NO. 1067. RAILROADS, CLASS I LINE-HAUL—FINANCIAL SUMMARY: 1960 TO 1981

(In millions of dollars, except percent. Minus sign (–) denotes deficit. Data prior to 1978 have been restated to conform with revised Uniform System of Accounts. See also *Historical Statistics, Colonial Times to 1870*, series Q 364–366 and Q 376.)

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Operating revenues.....	9,514	10,208	11,992	15,923	16,402	17,400	20,090	21,721	25,219	28,103	30,904
Freight.....	8,456	9,223	11,108	15,863	15,390	17,400	18,892	20,236	23,447	26,200	28,925
Passenger.....	640	553	420	290	297	327	337	356	382	438	546
Other.....	417	431	466	770	715	809	861	1,130	1,390	1,465	1,433
Operating expenses.....	7,565	7,850	11,476	15,783	15,936	17,681	19,334	21,043	23,994	26,250	28,583
Net revenue from railway operations.....	1,949	2,358	514	1,140	466	655	557	678	1,225	1,853	2,321
Total income.....	2,295	2,724	694	1,897	1,094	1,358	1,353	1,623	2,367	3,167	3,868
Income taxes on ordinary income ¹	203	164	66	217	58	163	60	183	199	291	48
Net income (ordinary).....	445	815	227	730	144	355	326	307	638	1,192	2,055
Net railway operating income.....	536	962	277	786	351	452	343	427	837	1,312	1,362
Rate of return (percent).....	2.13	3.86	1.73	2.70	1.20	1.60	1.24	1.52	2.67	4.13	4.08
Shareowners' equity.....	17,313	17,747	17,323	14,945	14,942	15,230	15,727	16,175	17,796	19,660	21,270
Net working capital ²	678	172	59	219	68	343	571	603	555	926	(NA)
Cash dividends.....	365	471	421	510	434	444	497	503	563	554	(NA)
Gross capital expenditures.....	819	1,631	1,351	1,565	1,790	1,725	2,290	2,738	3,324	3,621	2,656
Equipment.....	633	1,304	963	1,036	1,303	1,175	1,540	1,864	2,265	2,346	1,521
Roadway and structures.....	286	327	358	527	486	550	751	856	1,039	1,275	1,334

NA Not available.

¹Includes State income taxes beginning 1978.²Current assets minus current liabilities, including debt due within one year.Source: Association of American Railroads, Washington, D.C., *Statistics of Railroads of Class I*, annual, and *Yearbook of Railroad Facts*.

No. 1088. RAILROADS—SUMMARY STATISTICS: 1960 TO 1980

[As of Dec. 31, or calendar year data, except as noted. Covers class I and II railroads, excluding switching and terminal companies, except as noted. Includes intercorporate duplications. Minus sign (-) denotes deficit. See also *Historical Statistics, Colonial Times to 1970*, series Q 284-312, Q 330, Q 356-363, and Q 367-377]

ITEM	Unit	1960	1965	1970	1975	1977	1979	1979	1980
Class I line-hauling companies ¹	Number.....	106	76	71	74	58	40	40	40
Class II line-hauling companies ¹	Number.....	304	302	273	245	251	19	23	28
Employees ²	1,000.....	793	655	577	502	510	480	492	469
Compensation.....	Mil. dol.....	4,957	4,667	5,646	7,674	9,356	9,734	11,105	11,536
Mileage:									
Road owned, first track ³	1,000.....	218	211	206	199	190	178	163	157
Track operated:									
Reporting railroads ⁴	1,000.....	382	371	360	340	321	322	(NA)	(NA)
First track ⁴	1,000.....	230	226	220	215	209	196	187	183
Other main tracks.....	1,000.....	35	31	29	21	21	26	26	26
Yardtrack, sidings.....	1,000.....	117	113	112	105	101	101	98	95
Operated by receivers ⁵	1,000.....	1	2	23	27	(NA)	(NA)	(NA)	(NA)
Equipment: ⁶									
Locomotives in service.....	1,000.....	31.2	30.1	29.1	30.2	29.7	27.0	27.9	28.9
Average tractive effort ⁷	1,000 lb.....	61.3	63.1	⁸ 1.9	⁸ 2.1	⁸ 2.2	⁸ 2.1	⁸ 2.2	⁸ 2.3
Cars in service:									
Passenger-train.....	1,000.....	25.7	20.0	11.4	6.7	5.7	2.4	2.4	2.3
Freight train ⁹	1,000.....	1,690	1,515	1,454	1,345	1,275	1,201	1,148	1,133
Average capacity ¹⁰	Tons.....	55.4	59.8	67.1	73.0	75.5	77.8	79.7	79.3
Capital and property investment: ¹¹									
Road and equipment, book value ¹²	Mil. dol.....	35,513	35,489	37,918	40,196	38,342	38,702	40,133	42,619
Depreciation reserve ¹³	Mil. dol.....	8,532	9,342	9,930	10,650	9,994	10,377	10,487	10,929
Capitalization outstanding ¹⁴	Mil. dol.....	16,134	14,857	14,339	13,473	14,781	16,343	17,089	17,808
Capital surplus and retained income.....	Mil. dol.....	11,356	12,945	13,002	11,297	12,039	¹⁵ 12,565	¹⁵ 14,055	¹⁵ 15,823
Stock paying dividends.....	Mil. dol.....	5,617	4,845	3,595	3,402	3,745	-	-	-
Dividends declared.....	Mil. dol.....	412	533	486	458	629	521	610	646
Interest accrued on funded debt.....	Mil. dol.....	387	403	554	716	688	774	825	967
Income and expenses:									
Operating revenues.....	Mil. dol.....	9,642	10,425	12,209	16,929	20,800	22,138	25,732	26,708
Operating expenses.....	Mil. dol.....	7,657	8,003	9,806	13,987	17,398	21,424	24,447	26,781
Tax accruals.....	Mil. dol.....	1,020	949	1,104	1,684	2,040	2,097	2,277	2,107
Net railway operating income.....	Mil. dol.....	595	960	506	36	- 136	451	873	1,364
Net income ¹¹	Mil. dol.....	473	866	¹⁶ 126	¹⁶ - 12	¹⁶ - 158	¹⁶ 284	¹⁶ 1,018	¹⁶ 1,261
Passenger service:									
Passengers carried.....	Mil.....	327	306	289	270	276	262	274	281
Passenger-miles.....	Mil.....	21,284	17,454	10,786	9,948	10,306	6,262	6,500	6,557
Commutation ¹⁰	Mil.....	4,197	4,126	4,592	4,513	4,586	4,868	(NA)	(NA)
Coach ¹⁰	Mil.....	13,422	11,069	5,414	4,750	5,185	5,088	(NA)	(NA)
Parlor and sleeping car ¹⁰	Mil.....	3,643	2,191	765	502	524	487	(NA)	(NA)
Passenger revenue.....	Mil. dol.....	641	556	423	539	612	379	409	444
Revenue per passenger-mile.....	Cents.....	3.01	3.19	3.92	5.41	5.94	6.06	6.30	6.76
Average journey per passenger.....	Miles.....	65.05	57.07	37.26	36.81	37.31	23.89	23.75	23.29
Freight service:									
Freight revenue.....	Mil. dol.....	8,152	9,037	11,124	15,623	19,232	20,610	23,903	26,756
Revenue-tons originated.....	Mil.....	1,301	1,479	1,572	1,470	1,519	1,431	1,543	1,536
Tons carried one mile.....	Bil.....	575	706	771	759	834	868	916	933
Revenue ton-miles per mile of road.....	1,000.....	2,497	3,121	3,468	3,161	3,542	4,369	4,669	4,870
Revenue per ton-mile.....	Cents.....	1.417	1.281	1.443	2.060	2.306	2.374	2.608	2.669
Haul per ton, U.S. as a system.....	Miles.....	442	477	490	516	549	608	594	607
Accidents: ¹⁷									
Persons killed.....	Number.....	2,248	2,399	2,225	1,560	1,530	1,646	1,429	1,417
Persons injured.....	Number.....	19,577	25,780	21,327	54,306	67,867	72,545	74,126	62,246

- Represents zero. NA Not available. ¹ See text, p. 604 for definitions of class I and class II. ² Average mid-month count. ³ For 1960, includes circular companies. Beginning 1978, excludes proprietary and unofficial companies. ⁴ Includes mileage in Canada. ⁵ Includes track operated by trustees. ⁶ Includes switching and terminal companies, except average tractive effort and average capacity. ⁷ Locomotives of class I railroads. ⁸ Represents horsepower. In thousands. ⁹ Excludes caboose cars. ¹⁰ Class I railroads only. ¹¹ Includes lessors. ¹² Increase in investment over a period of years cannot be obtained accurately by subtraction of 1 year's investment from that of another owing to reorganization, sale or abandonment, reclassification, etc. Also includes proprietary companies. ¹³ Includes amortization, applicable to proprietary companies. ¹⁴ Comprises common stock, preferred stock, and funded debt unmatured. ¹⁵ Represents total retained earnings. ¹⁶ After extraordinary and prior period items. ¹⁷ Includes highway grade crossing casualties. Beginning 1975 not comparable with previous years due to change in requirements for reporting injuries.

Source: U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, Part 1, annual, and, 1960 and 1965, *Accident Bulletin*, annual. Beginning 1970, accident data from U.S. Federal Railroad Administration, *Accident Bulletin*, annual.

NO. 1089. RAILROADS, CLASS I LINE-HAUL—SELECTED PASSENGER STATISTICS: 1960 TO 1980[See text, p. 604, for definition of class I. See also *Historical Statistics, Colonial Times to 1970*, series Q 313-315]

ITEM	Unit	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
Average miles of road operated	1,000	94	77	50	31	32	33	32	32	30	32	29
Passenger revenue	Mill. dol.	640	553	420	536	536	592	606	606	606	703	807
Revenue per passenger-mile:												
Includes commutation passengers	Cents	3.01	3.18	3.90	5.22	5.50	5.56	5.91	5.95	6.27	7.34	
Excludes commutation passengers	Cents	3.03	3.14	4.02	5.65	6.31	6.30	6.64	6.62	6.66	(NA)	
Revenue passengers carried	Mill.	326	290	264	274	269	266	275	281	266	300	
Amtrak	Mill.	(X)	(X)	(X)	18	18	19	19	19	19	21	21
Revenue passenger-miles	Bil.	21.3	17.4	10.6	10.3	9.9	10.6	10.3	10.2	11.2	11.0	
Amtrak	Bil.	(X)	(X)	(X)	4.3	3.9	4.3	4.2	4.2	4.9	4.5	
Average distance	Miles	66.2	66.2	37.9	37.7	36.8	36.8	37.5	36.3	38.0	36.6	
Revenue passenger-miles per train-mile	Number	101	101	117	161	150	156	156	159	166	(NA)	
Revenue passenger-miles per car-mile	Number	18.3	19.5	25.6	35.3	35.2	36.7	36.5	36.4	(NA)	(NA)	
Passenger-train miles	Mill.	209	172	92	66	67	66	64	60	(NA)	(NA)	
Passenger-carrying car-miles	Mill.	1,101	885	417	263	261	269	262	260	(NA)	(NA)	
Train-miles per train-hour	Miles	40.7	41.9	40.1	38.2	39.2	32.7	33.0	32.4	(NA)	(NA)	

NA Not available. X Not applicable.

Source: U.S. Interstate Commerce Commission, *Annual Report: Transport Statistics in the United States*, Part 1, annual; and related quarterly reports, *Financial and Operating Statistics, Class I Railroads*, Statement No. 100, semiannual; and unpublished data.**NO. 1090. RAILROADS, CLASS I LINE-HAUL—SELECTED FREIGHT STATISTICS: 1960 TO 1980**[Excludes switching and terminal roads. See text, p. 604, for definition of class I. See *Historical Statistics, Colonial Times to 1970*, series Q 319, for train-miles per train-hour]

ITEM	Unit	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
Average miles of road operated	1,000	219	212	209	207	206	205	200	197	192	186	177
Freight revenue	Bil. dol.	8.0	8.8	10.9	13.6	15.8	15.4	17.4	18.9	20.3	23.6	26.3
Per ton-mile	Cents	1.40	1.27	1.43	1.62	1.65	2.04	2.20	2.29	2.37	2.59	2.87
Per ton	Dol.	3.51	3.46	4.18	5.10	5.91	6.32	7.42	8.00	9.17	9.55	(NA)
Revenue freight:												
Tons originated	Mill.	1,241	1,367	1,485	1,532	1,530	1,395	1,370	1,395	1,390	1,502	1,492
Tons carried	Mill.	2,281	2,539	2,616	2,701	2,716	2,437	2,446	2,439	2,217	2,463	2,434
Net ton miles	Bil.	572	696	777	863	851	764	804	839	856	904	919
Average distance	Miles	251	275	292	332	316	310	338	350	366	371	(NA)
Train miles	Mill.	405	421	427	469	469	402	425	428	433	436	426
Freight car miles, loaded ¹	Bil.	17.3	17.6	17.3	18.0	17.8	15.1	15.6	16.3	15.9	15.9	14.7
Empty	Bil.	10.9	11.4	12.6	13.2	13.1	12.5	12.7	12.4	11.1	11.5	11.9
Net ton-miles per train-mile ¹	Number	1,406	1,663	1,820	1,844	1,675	1,698	2,232	2,029	2,029	2,066	2,174
Net ton-miles per loaded car-mile ¹	Number	33.9	39.7	44.9	48.7	50.1	51.7	59.9	53.2	55.1	(NA)	(NA)
Train-miles per train-hour	Miles	19.5	20.1	20.1	19.8	19.9	20.0	20.1	19.8	19.3	(NA)	(NA)

NA Not available. ¹Revenue and nonrevenue freight.Source: 1960-1978, U.S. Interstate Commerce Commission, *Annual Report: Transport Statistics in the United States*, Part 1, annual; and related quarterly reports, *Financial and Operating Statistics, Class I Railroads*, Statement No. 100, semiannual; and unpublished data; thereafter, Association of American Railroads, *Yearbook of Railroad Facts*, annual.**NO. 1091. RAILROADS, CLASS I—CARS OF REVENUE FREIGHT LOADED, 1960 TO 1981, AND BY COMMODITY GROUP, 1980 AND 1981**

[In thousands. Figures are 52-week totals. Data for 1978-81 include 12 class II railroads which were class I in 1977. See text, p. 604, for definition of class I. N.e.c. = Not elsewhere classified]

YEAR	CARLOADS		COMMODITY GROUP	CARLOADS		COMMODITY GROUP	CARLOADS	
	Total	Piggy-back		1980	1981		1980	1981
1960	30,441	554	Coal	5,706	5,763	Crushed stone, gravel, sand	716	620
1965	29,248	1,077	Metallic ores	1,480	1,607	Nonmetallic minerals, n.e.c.	770	675
1970	27,160	1,450	Chemicals, allied products	1,411	1,349	Waste and scrap materials	633	608
1973	27,338	1,631	Grain	1,573	1,352	Lumber, wood prod. (exc. furniture), n.e.c.	489	397
1974	26,184	1,610	Motor vehicles and equipment	854	815	Forwarder and shipper association		
1975	23,217	1,308	Pulp, paper allied products	1,060	998	traffic	555	494
1976	23,457	1,506	Primary forest products	1,002	939	Coke	276	330
1977	23,173	1,689	Food and kindred products, n.e.c.	925	803	Petroleum products	297	269
1978	23,355	1,841	Grain mill products	879	736	Farm products, exc. grain	236	224
1979	23,892	1,858	Metals and products	820	795	Less than carload	12	12
1980	22,598	1,661	Stone, clay, and glass products	792	693	All other carloads	2,130	2,136
1981	21,613	1,723						

Source: Association of American Railroads, Washington, D.C., *Cars of Revenue Freight Loaded*, annual.

No. 1092. RAILROADS, CLASS I LINE-HAUL—REVENUE FREIGHT ORIGINATED, BY COMMODITY GROUP: 1975 TO 1980

[See *Historical Statistics, Colonial Times to 1970*, series Q 332, for total carloads originated]

COMMODITY GROUP	CARLOADS (1,000)				TONS (mil.)				GROSS REVENUE (mil. dol.)			
	1975	1976	1977	1978	1975	1976	1977	1978	1975	1976	1977	1978
Total ¹	22,880	22,482	23,409	22,323	1,386.1	1,380.1	1,502.1	1,482.4	15,889	20,785	24,383	28,838
Coal	4,844	4,372	5,329	5,789	407.6	383.1	473.8	522.1	2,148	2,813	3,872	4,988
Food and kindred products	2,154	1,922	1,348	1,767	100.2	95.4	93.2	91.9	1,822	2,158	2,421	2,837
Nonmetallic minerals ²	1,895	1,650	1,592	1,474	150.6	135.0	132.3	124.8	596	723	829	946
Farm products	1,873	1,599	1,721	1,868	134.4	128.7	138.5	156.1	1,472	1,878	2,101	2,801
Metallic ores	1,338	1,405	1,480	1,258	105.4	112.5	119.9	105.4	488	553	621	587
Transportation equipment	1,135	1,352	1,278	1,004	27.3	32.2	30.6	23.8	1,283	2,089	2,167	1,917
Lumber and wood prod. ³	1,615	1,629	1,565	1,384	88.8	95.1	93.1	85.5	1,088	1,481	1,548	1,548
Pulp, paper, allied products	1,015	975	977	954	40.8	41.4	42.4	42.1	977	1,280	1,445	1,882
Chemicals, allied products	1,313	1,428	1,471	1,385	91.4	108.7	112.4	108.3	1,881	2,342	2,739	2,948
Primary metal products	798	878	913	756	51.4	60.3	63.9	52.7	848	1,104	1,291	1,392
Petroleum and coal prod.	787	734	718	598	45.8	44.4	43.9	38.1	573	713	836	885
Stone, clay, and glass prod.	908	911	920	776	58.8	58.9	61.5	53.7	651	902	1,018	1,025
Fabricated metal prod. ⁴	244	98	87	72	6.2	2.5	2.3	2.0	221	116	117	110
Machinery, exc. electrical	156	105	90	77	3.6	2.5	2.3	2.0	200	188	174	176
Waste and scrap materials	744	704	713	632	38.2	37.8	38.5	34.3	359	432	479	513

¹Includes commodity groups and small packaged freight shipments, not shown separately.

²Except fuels.

³Except furniture.

⁴Except ordnance, machinery, and transport.

Source: 1975 and 1978 U.S. Interstate Commerce Commission, *Freight Commodity Statistics—Class I Railroads in the United States*, annual; thereafter, Association of American Railroads, *Freight Commodity Statistics*, annual.

No. 1093. PRODUCER PRICE INDEXES FOR TOTAL RAILROAD FREIGHT: 1970 TO 1981

[1980=100. Reflects prices for shipping a fixed set of commodities under specified and unchanging conditions]

COMMODITY	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total railroad freight	108.8	122.4	128.1	129.3	148.7	168.4	188.6	198.1	213.1	243.3	284.5	327.5
Annual percent change	8.8	12.5	3.0	2.5	15.8	13.2	10.2	6.7	7.0	14.2	16.9	15.1
Farm products	108.3	120.8	123.5	125.2	145.3	165.0	182.7	191.3	204.9	235.9	275.6	315.0
Metallic ores	106.9	123.5	128.1	133.0	155.0	178.4	197.8	211.1	227.9	263.5	307.9	355.3
Coal	108.6	123.9	128.8	132.5	154.8	177.5	199.6	211.8	228.2	266.2	306.3	350.7
Nonmetallic minerals	108.0	120.7	125.6	130.0	150.5	172.4	191.7	205.5	221.2	257.5	308.1	358.8
Food products	108.9	122.4	128.2	128.8	148.9	168.8	185.1	195.3	210.1	239.2	283.1	329.4
Wood or lumber products	108.4	119.0	123.3	127.4	147.4	163.6	177.9	191.7	205.7	233.4	278.1	326.2
Pulp, paper and allied products	108.9	122.4	124.1	124.5	143.5	162.7	178.1	188.5	197.1	223.7	264.8	305.3
Chemical or allied products	108.6	121.8	124.8	127.6	147.9	168.5	183.8	197.1	208.5	235.5	274.3	316.2
Clay, concrete, glass, or stone products	109.4	122.9	126.7	131.2	153.1	174.5	192.2	206.4	223.4	255.3	301.8	351.9
Primary metal products	109.5	124.3	128.5	132.1	153.3	174.8	191.8	205.0	217.9	247.1	284.3	323.5
Transportation equipment	109.4	123.7	127.3	131.9	153.5	173.5	190.2	204.3	217.8	246.2	281.9	316.2

Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly

No. 1094. CLASS I RAILROADS—EMPLOYMENT AND EQUIPMENT: 1960 TO 1980

[For definition of class I, see text, p. 604. See also *Historical Statistics, Colonial Times to 1970*, Series Q 301-305 and Q 386-388]

ITEM	Unit	1960 ¹	1965 ¹	1970 ¹	1974	1975	1976	1977	1978	1979	1980
Employees, average	1,000	780	640	588	533	511	498	501	480	483	469
Compensation, total	Mil. dol.	4,894	4,789	5,557	7,578	7,563	8,484	9,224	9,588	10,804	11,318
Average per hour	Dollars	2.86	3.06	4.04	7.12	7.74	8.82	9.34	10.11	11.48	12.52
Average per year	Dollars	6,270	7,490	9,841	14,214	15,310	17,125	18,411	20,267	21,592	24,859
Locomotives	1,000	31.2	30.1	27.1	28.1	28.2	27.8	27.7	27.4	27.1	26.4
New units installed	Number	389	1,387	271	549	588	788	(NA)	(NA)	1,090	1,488
Freight cars	1,000	1,690	1,515	1,454	1,375	1,359	1,332	1,287	1,227	1,217	1,188
Box	1,000	700	593	580	494	475	444	422	384	380	347
Gondola and hopper	1,000	831	754	724	676	680	675	682	647	645	638
Other	1,000	159	168	140	208	204	208	203	198	182	185
Aggregate capacity	Mil. tons	91.9	88.3	95.8	98.2	98.2	98.3	97.2	94.4	94.6	92.7
Average capacity	Tons	55.4	59.8	67.1	71.6	72.9	73.8	75.5	76.9	77.7	78.4
New units installed	1,000	54.0	62.9	66.0	38.3	41.7	30.8	27.1	28.0	28.6	39.9
Passenger-train cars	1,000	28.7	20.0	11.2	6.8	6.5	5.5	5.5	4.5	4.2	4.3

NA Not available. ¹Includes other classes.

Source: Association of American Railroads, Washington, D.C., *Yearbook of Railroad Facts*, and U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, Part 1, annual, and *Statement No. A-302*, annual.

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NO. 1006. RAILROAD ACCIDENTS—DEATHS AND INJURIES: 1960 TO 1981

[Casualty data prior to 1975 cover only those cases where a person lost time from that person's job or other usual activity. Beginning 1975, covers cases with lost time, those requiring medical treatment beyond first aid, termination of employment, transfer to another job, loss of consciousness, and occupational illnesses. Prior to 1975, cases where death occurred more than 24 hours after the injury were classified as injuries; beginning 1975 they were classified as deaths. See also *Historical Statistics, Colonial Times to 1970*, series Q 385-387 and Q 400-401]

TYPE OF CASUALTY	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Persons killed, total	2,348	2,300	2,226	1,560	1,980	1,530	1,846	1,429	1,417	1,284
In highway grade crossing accidents ¹	1,364	1,534	1,440	978	1,114	944	1,021	834	788	607
Involving motor vehicles ²	1,254	1,434	1,337	765	956	822	905	704	682	509
Passengers on trains	32	11	8	8	5	4	13	6	4	4
Railroad employees on duty	190	172	155	110	100	114	122	101	97	65
Trespassers and other	2,026	2,216	2,062	1,442	1,525	1,412	1,511	1,318	1,316	1,215
Persons injured	18,577	25,798	21,327	54,308	65,331	67,857	72,545	74,126	62,346	53,083
In highway grade crossing accidents ¹	3,424	3,801	3,336	4,168	4,831	4,549	4,258	4,172	3,662	3,121
Involving motor vehicles ²	3,277	3,663	3,205	3,568	4,307	4,000	4,067	3,938	3,486	2,975
Passengers on trains	1,463	1,189	489	1,307	988	503	1,252	1,001	593	409
Railroad employees on duty	13,245	18,644	15,743	47,318	57,869	61,026	65,071	66,924	56,331	47,838
Trespassers and other	4,869	5,956	5,095	5,861	6,444	6,336	6,222	6,201	5,322	4,756

¹Accidents at public crossings only. ²Excludes motorcycles.

Source: 1960 and 1965, U.S. Interstate Commerce Commission and, thereafter, U.S. Federal Railroad Administration, *Accident Bulletin*, annual, and *Rail-Highway Crossing Accident/Incidental and Inventory Bulletin*, annual.

NO. 1006. PETROLEUM PIPELINE COMPANIES—CHARACTERISTICS: 1972 TO 1980

[Covers pipeline companies operating in interstate commerce and subject to jurisdiction of Interstate Commerce Commission from 1972 to 1976, and Federal Energy Regulatory Commission beginning 1977]

ITEM	Unit	1972	1973	1974	1975	1976	1977	1978	1979	1980
Miles of pipeline, total	1,000	172.1	170.1	189.0	170.7	189.9	154.5	161.6	169.8	172.7
Gathering lines	1,000	42.3	42.9	40.7	40.4	37.6	34.7	36.5	36.9	36.3
Trunk lines	1,000	129.8	127.2	148.3	130.3	152.3	119.8	125.1	132.9	136.4
Total deliveries	Mil. bbl.	8,847	9,416	9,132	9,391	9,742	10,019	10,788	11,140	10,800
Crude oil	Mil. bbl.	5,510	5,780	5,698	5,729	5,986	6,089	6,550	6,728	6,405
Products	Mil. bbl.	3,337	3,636	3,434	3,662	3,756	3,930	4,218	4,412	4,195
Total trunk line traffic	Bil. bbl.-miles	2,687	2,502	2,832	2,692	2,918	3,895	3,723	3,577	3,406
Crude oil	Bil. bbl.-miles	1,520	1,262	1,456	1,551	1,839	2,267	2,031	1,946	1,848
Products	Bil. bbl.-miles	1,167	1,240	1,176	1,341	1,279	1,627	1,691	1,631	1,458
Carrier property value	Mil. dol.	6,749	7,000	8,038	10,740	13,884	16,736	17,654	18,990	19,752
Operating revenues	Mil. dol.	1,336	1,438	1,679	1,869	2,132	2,816	4,990	5,781	6,366
Net income	Mil. dol.	415	406	330	458	595	478	1,696	1,648	1,912

Source: PennWell Publishing Co., Tulsa, Oklahoma, *Oil and Gas Journal*, November 23, 1981 and earlier issues. (Copyright.)

NO. 1007. INTERSTATE NATURAL GAS PIPELINE COMPANIES—SUMMARY: 1960 TO 1980

[Excludes companies whose operations are limited to production of natural gas and sales of gas at or near the point of production. Covers classes A and B interstate natural gas pipeline companies with annual gas operating revenues of \$1,000,000 or more]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980
Sales	Tril. cu. ft.	11.8	14.7	19.9	16.5	18.2	15.7	16.2	17.7	17.3
Residential	Tril. cu. ft.	.8	.8	.8	.5	.5	.8	.6	.8	.8
Commercial, industrial	Tril. cu. ft.	2.4	2.5	2.9	1.9	1.8	1.9	1.9	2.1	2.3
For resale	Tril. cu. ft.	8.7	11.6	16.2	14.0	15.8	13.2	13.6	14.8	14.4
Operating revenues	Mil. dol.	4,571	5,584	7,955	14,278	17,317	25,986	35,509	45,271	43,271
From sales ¹	Mil. dol.	4,352	5,346	7,576	13,451	16,361	21,126	24,832	33,980	43,222
Residential	Mil. dol.	537	486	622	756	910	1,318	1,520	1,754	2,001
Commercial, industrial	Mil. dol.	731	793	1,025	1,646	2,115	2,842	3,272	4,527	5,950
For resale	Mil. dol.	3,046	4,043	5,898	11,003	13,277	16,912	19,977	27,597	35,271
From transportation of gas to others	Mil. dol.	100	113	188	387	474	658	819	772	824
Other	Mil. dol.	119	126	191	440	482	604	511	757	1,125
Operation, maintenance expenses	Mil. dol.	3,091	3,673	5,602	10,374	12,796	17,598	20,954	29,867	36,154
Production	Mil. dol.	2,472	3,142	4,546	8,573	10,721	15,098	18,048	26,157	34,742
Storage	Mil. dol.	21	39	63	140	159	205	254	275	303
Transmission	Mil. dol.	379	534	912	1,066	1,300	1,519	2,077	2,547	3,467
Distribution	Mil. dol.	75	66	92	122	134	178	193	217	346
Administrative, general, and other	Mil. dol.	216	369	627	717	817	940	1,141	1,317	1,317
Pipeline mileage:										
Transmission lines	1,000	155.5	154.4	182.0	167.2	189.9	189.9	190.7	193.4	192.4
Field lines	1,000	42.5	47.7	51.6	57.1	58.6	60.2	63.0	66.2	69.7
Storage	1,000	2.9	3.1	3.5	4.2	4.3	4.2	4.3	4.4	12.1

¹Includes other ultimate customers not shown separately.

Source: 1960-1975, U.S. Federal Power Commission and, thereafter, U.S. Energy Information Administration, *Statistics Interstate Natural Gas Pipeline Companies*, annual.

NO. 1092. RAILROADS, CLASS I LINE-HAUL—REVENUE FREIGHT ORIGINATED, BY COMMODITY GROUP: 1975 TO 1980

[See *Historical Statistics, Colonial Times to 1970*, series Q 332, for total carloads originated]

COMMODITY GROUP	CARLOADS (1,000)				TONS (mil.)				GROSS REVENUE (mil. dol.)			
	1975	1976	1979	1980	1975	1976	1979	1980	1975	1976	1979	1980
Total ¹	22,900	22,462	23,406	22,223	1,366.1	1,360.1	1,602.1	1,482.4	15,896	26,766	24,263	26,939
Coal	4,844	4,372	5,329	5,789	407.6	363.1	473.6	522.1	2,146	2,613	3,672	4,966
Food and kindred products	2,154	1,922	1,348	1,767	100.2	95.4	83.2	91.9	1,822	2,158	2,421	2,837
Nonmetallic minerals ²	1,895	1,850	1,592	1,474	150.8	135.0	132.3	124.8	596	723	829	948
Farm products	1,673	1,589	1,721	1,666	134.4	126.7	136.5	156.1	1,472	1,678	2,101	2,801
Metallic ores	1,336	1,405	1,480	1,258	105.4	112.5	118.9	105.4	468	553	621	587
Transportation equipment	1,135	1,352	1,278	1,004	27.3	32.2	30.6	23.9	1,263	2,069	2,167	1,917
Lumber and wood prod. ³	1,615	1,629	1,565	1,384	86.8	95.1	93.1	85.5	1,066	1,461	1,546	1,543
Pulp, paper, allied products	1,015	975	877	854	40.6	41.4	42.4	42.1	977	1,260	1,445	1,662
Chemicals, allied products	1,313	1,426	1,471	1,365	91.4	106.7	112.4	106.3	1,661	2,342	2,739	2,946
Primary metal products	796	878	913	756	51.4	60.3	63.9	52.7	848	1,104	1,291	1,332
Petroleum and coal prod.	787	734	718	596	45.8	44.4	43.9	38.1	573	713	835	866
Stone, clay, and glass prod.	908	911	920	776	56.6	59.9	61.5	53.7	651	902	1,016	1,025
Fabricated metal prod. ⁴	244	96	87	72	8.2	2.5	2.3	2.0	221	116	117	110
Machinery, exc. electrical	186	105	90	77	3.6	2.5	2.3	2.0	200	186	174	178
Waste and scrap materials	744	704	713	632	36.2	37.8	36.5	34.3	359	432	479	513

¹Includes commodity groups and small packaged freight shipments, not shown separately.

²Except fuels.

³Except furniture.

⁴Except ordnance, machinery, and transport.

Source: 1975 and 1976 U.S. Interstate Commerce Commission, *Freight Commodity Statistics—Class I Railroads in the United States*, annual; thereafter, Association of American Railroads, *Freight Commodity Statistics*, annual.

NO. 1093. PRODUCER PRICE INDEXES FOR TOTAL RAILROAD FREIGHT: 1970 TO 1981

[1966=100. Reflects prices for shipping a fixed set of commodities under specified and unchanging conditions]

COMMODITY	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total railroad freight	106.8	122.4	126.1	129.3	146.7	166.4	186.6	211.1	213.1	243.3	264.5	327.6
Annual percent change	8.8	12.5	3.0	2.5	15.8	13.2	10.2	6.7	7.0	14.2	16.9	15.1
Farm products	106.3	120.8	123.5	125.2	145.3	165.0	182.7	191.3	204.9	235.9	275.6	315.0
Metallic ores	106.9	123.5	128.1	133.0	155.0	176.4	197.8	211.1	227.3	263.5	307.9	355.3
Coal	106.6	123.9	128.6	132.5	154.8	177.5	199.6	211.6	226.2	266.2	306.3	350.7
Nonmetallic minerals	106.0	120.7	125.6	130.0	150.5	172.4	191.7	205.5	221.2	257.5	306.1	366.6
Food products	106.9	122.4	126.2	128.8	149.9	166.6	185.1	195.3	210.1	239.2	263.1	329.4
Wood or lumber products	106.4	119.0	123.3	127.4	147.4	163.6	177.9	191.7	205.7	233.4	278.1	326.2
Pulp, paper, and allied products	106.9	122.4	124.1	124.5	143.5	162.7	176.1	186.5	197.1	223.7	264.8	305.3
Chemical or allied products	106.6	121.8	124.6	127.6	147.9	166.5	183.6	197.1	206.5	235.5	274.3	316.2
Clay, concrete, glass, or stone products	109.4	122.9	126.7	131.2	153.1	174.5	192.2	208.4	223.4	255.3	301.8	351.9
Primary metal products	109.5	124.3	126.5	132.1	153.3	174.6	191.6	205.0	217.9	247.1	284.3	323.5
Transportation equipment	109.4	123.7	127.3	131.9	153.5	173.5	190.2	204.3	217.6	246.2	281.9	316.2

Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly.

NO. 1094. CLASS I RAILROADS—EMPLOYMENT AND EQUIPMENT: 1960 TO 1980

[For definition of class I, see text, p. 604. See also *Historical Statistics, Colonial Times to 1970*, Series Q 301-305 and Q 366-369]

ITEM	Unit	1960 ¹	1965 ¹	1970 ¹	1974	1975	1976	1977	1978	1979	1980
Employees, average	1,000	780	640	566	533	494	496	501	480	463	459
Compensation, total	MIL. dol.	4,694	4,793	5,557	7,576	7,563	8,494	9,224	9,568	10,904	11,318
Average per hour	Dollars	2.66	3.06	4.04	7.12	7.74	8.62	9.34	10.34	11.48	12.52
Average per year	Dollars	6,270	7,480	9,841	14,214	15,310	17,125	18,411	20,267	21,582	24,658
Locomotives	1,000	31.2	30.1	27.1	26.1	26.2	27.6	27.7	27.4	26.1	25.4
New units installed	Number	369	1,367	271	649	588	146	(NA)	(NA)	1,680	1,468
Freight cars	1,000	1,690	1,515	1,454	1,375	1,359	1,332	1,287	1,227	1,217	1,166
Box	1,000	700	593	590	494	476	449	422	394	380	347
Gondola and hopper	1,000	631	754	724	676	690	675	662	647	645	636
Other	1,000	159	168	140	206	204	208	203	189	192	185
Aggregate capacity	MIL. tons	91.9	88.3	95.6	98.2	99.2	96.3	97.2	94.4	94.6	92.7
Average capacity	Tons	56.4	59.8	67.1	71.6	72.9	73.6	76.5	76.9	77.7	79.4
New units installed	1,000	54.0	62.8	56.0	36.3	41.7	30.6	27.1	26.0	26.6	30.9
Passenger-train cars	1,000	25.7	20.0	11.2	6.6	6.5	5.5	5.5	4.5	4.2	4.3

NA Not available. ¹Includes other classes.

Source: Association of American Railroads, Washington, D.C., *Yearbook of Railroad Facts*, and U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, Part 1, annual, and *Statement No. A-302*, annual.

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NO. 1085. RAILROAD ACCIDENTS—DEATHS AND INJURIES: 1960 TO 1981

[Casualty data prior to 1975 cover only those cases where a person lost time from that person's job or other usual activity. Beginning 1975, covers cases with lost time, those requiring medical treatment beyond first aid, termination of employment, transfer to another job, loss of consciousness, and occupational illnesses. Prior to 1975, cases where death occurred more than 24 hours after the injury were classified as injuries; beginning 1975 they were classified as deaths. See also *Historical Statistics, Colonial Times to 1970*, series Q 385-387 and Q 400-401]

TYPE OF CASUALTY	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Persons killed, total	2,248	2,300	2,225	1,880	1,830	1,830	1,848	1,439	1,417	1,284
In highway grade crossing accidents ¹	1,364	1,534	1,440	878	1,114	944	1,021	834	788	687
Involving motor vehicles ²	1,254	1,434	1,337	765	956	822	908	704	682	593
Passengers on trains	32	11	8	8	5	4	13	6	4	4
Railroad employees on duty	190	172	155	110	100	114	122	101	97	85
Trespassers and other	2,026	2,218	2,062	1,442	721	1,412	1,511	1,322	1,316	1,215
Persons injured	18,577	25,739	21,327	54,308	65,331	67,887	72,545	74,128	62,348	53,089
In highway grade crossing accidents ¹	3,424	3,801	3,336	4,168	4,831	4,849	4,258	4,172	3,682	3,121
Involving motor vehicles ²	3,277	3,683	3,205	3,568	4,307	4,455	4,087	3,938	3,488	2,975
Passengers on trains	1,483	1,188	488	1,307	988	803	1,252	1,001	593	409
Railroad employees on duty	13,245	18,844	15,743	47,318	57,880	61,028	65,071	66,924	56,331	47,838
Trespassers and other	4,869	5,956	5,095	5,681	7,111	6,336	6,222	6,201	5,322	4,756

¹Accidents at public crossings only. ²Excludes motorcycles.

Source: 1960 and 1965, U.S. Interstate Commerce Commission and, thereafter, U.S. Federal Railroad Administration, *Accident Bulletin*, annual, and *Rail-Highway Crossing Accident/Incidental and Inventory Bulletin*, annual.

NO. 1086. PETROLEUM PIPELINE COMPANIES—CHARACTERISTICS: 1972 TO 1980

[Covers pipeline companies operating in interstate commerce and subject to jurisdiction of Interstate Commerce Commission from 1972 to 1976, and Federal Energy Regulatory Commission beginning 1977]

ITEM	Unit	1972	1973	1974	1975	1976	1977	1978	1979	1980
Miles of pipeline, total	1,000	172.1	170.1	168.0	170.7	169.9	154.5	181.8	168.8	172.7
Gathering lines	1,000	42.3	42.8	40.7	40.4	37.6	34.7	36.5	36.9	36.3
Trunk lines	1,000	129.8	127.2	128.3	130.3	132.3	119.8	125.1	132.9	136.4
Total deliveries	ML bbl	8,847	9,416	9,132	9,391	9,742	10,019	10,788	11,140	10,800
Crude oil	ML bbl	5,510	5,760	5,898	5,729	5,996	6,089	6,580	6,726	6,405
Products	ML bbl	3,337	3,656	3,434	3,662	3,746	3,930	4,218	4,412	4,195
Total trunk line traffic	BL bbl-miles	2,887	2,502	2,832	2,892	2,918	3,895	3,723	3,577	3,405
Crude oil	BL bbl-miles	1,520	1,456	1,551	1,639	2,267	2,031	1,946	1,848	1,848
Products	BL bbl-miles	1,167	1,240	1,178	1,341	1,279	1,827	1,891	1,831	1,458
Carrier property value	ML dol	6,749	7,000	8,038	10,740	13,684	16,736	17,854	18,990	19,752
Operating revenue	ML dol	1,338	1,438	1,579	1,869	2,132	2,818	4,990	5,781	6,358
Net income	ML dol	415	406	330	456	595	478	1,896	1,648	1,912

Source: PennWell Publishing Co., Tulsa Oklahoma, *Oil and Gas Journal*, November 23, 1981 and earlier issues. (Copyright)

NO. 1087. INTERSTATE NATURAL GAS PIPELINE COMPANIES—SUMMARY: 1960 TO 1980

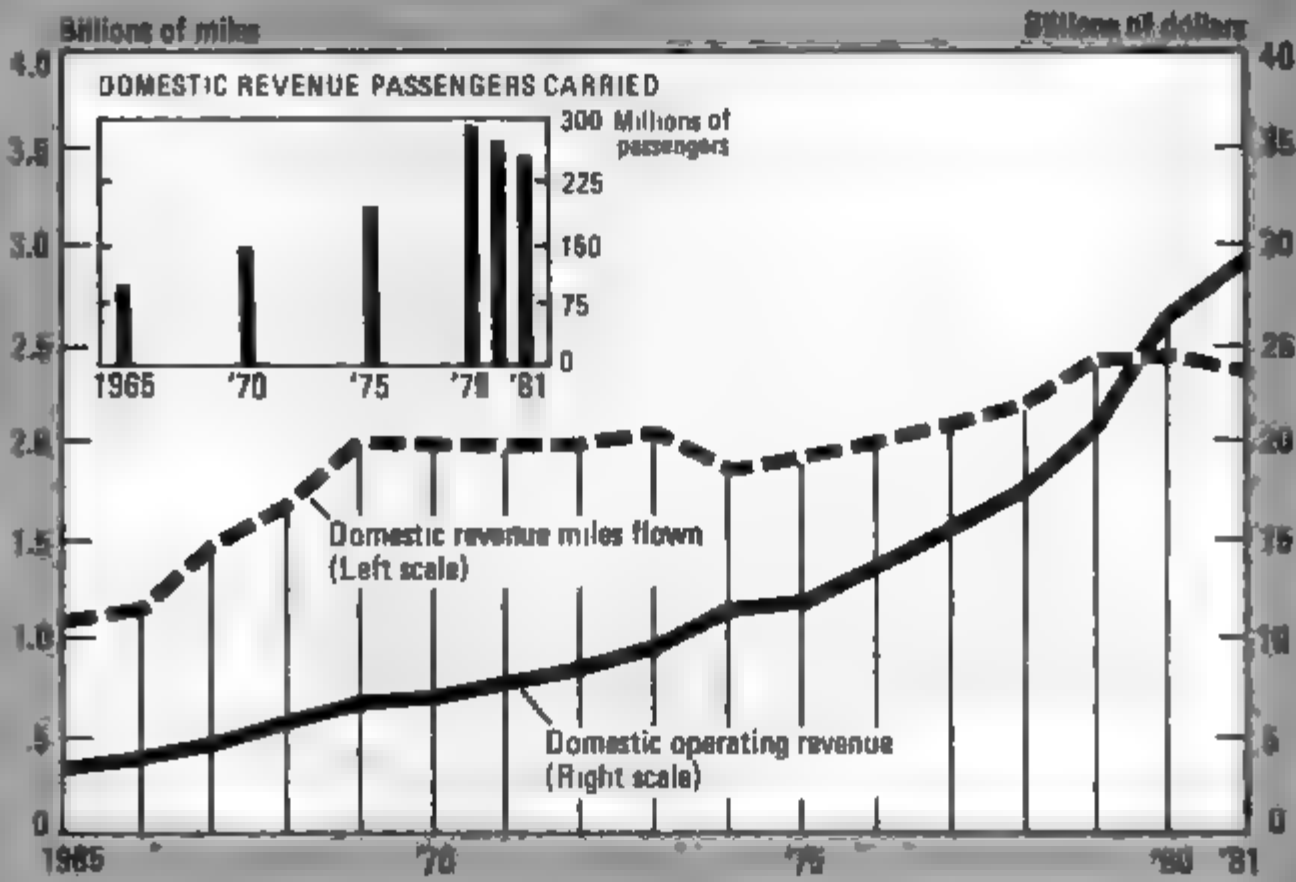
[Excludes companies whose operations are limited to production of natural gas and sales of gas at or near the point of production. Covers classes A and B interstate natural gas pipeline companies with annual gas operating revenues of \$1,000,000 or more]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980
Sales	Tril cu ft	11.8	14.7	18.9	18.5	16.2	15.7	16.2	17.7	17.3
Residential	Tril cu ft	.6	.8	.8	.5	.5	.8	.8	.6	.6
Commercial, industrial	Tril cu ft	2.4	2.6	2.9	1.9	1.6	1.9	1.9	2.1	2.3
For resale	Tril cu ft	8.7	11.8	18.3	14.0	13.6	13.2	13.8	14.8	14.4
Operating revenue	ML dol	4,571	5,584	7,955	14,276	17,317	22,289	25,988	35,509	45,271
From sales ¹	ML dol	4,362	5,346	7,578	13,451	16,381	21,128	24,832	33,980	43,222
Residential	ML dol	537	488	822	756	910	1,318	1,520	1,754	2,001
Commercial, industrial	ML dol	731	793	1,025	1,646	2,115	2,842	3,272	4,527	5,980
For resale	ML dol	3,098	4,043	5,898	11,009	13,277	18,912	19,977	27,587	35,271
From transportation of gas to others	ML dol	100	113	188	387	474	556	619	772	924
Other	ML dol	119	128	191	440	482	604	511	757	1,125
Operation, maintenance expenses	ML dol	3,091	3,873	5,802	10,374	12,796	17,586	20,954	29,697	36,154
Production	ML dol	2,472	3,142	4,546	8,573	10,721	15,096	18,048	26,157	34,742
Storage	ML dol	21	39	63	140	159	205	254	275	303
Transmission	ML dol	306	379	534	912	1,085	1,300	1,519	2,077	2,547
Distribution	ML dol	75	85	92	122	134	176	193	217	245
Administrative, general, and other	ML dol	216	248	386	627	717	817	940	1,141	1,317
Pipeline mileage										
Transmission lines	1,000	135.5	154.4	182.0	187.2	189.9	189.9	190.7	193.4	192.4
Field lines	1,000	42.5	47.7	51.8	57.1	58.8	60.2	63.0	66.2	68.7
Storage	1,000	2.9	3.1	3.5	4.2	4.3	4.2	4.3	4.4	12.1

¹Includes other ultimate customers not shown separately.

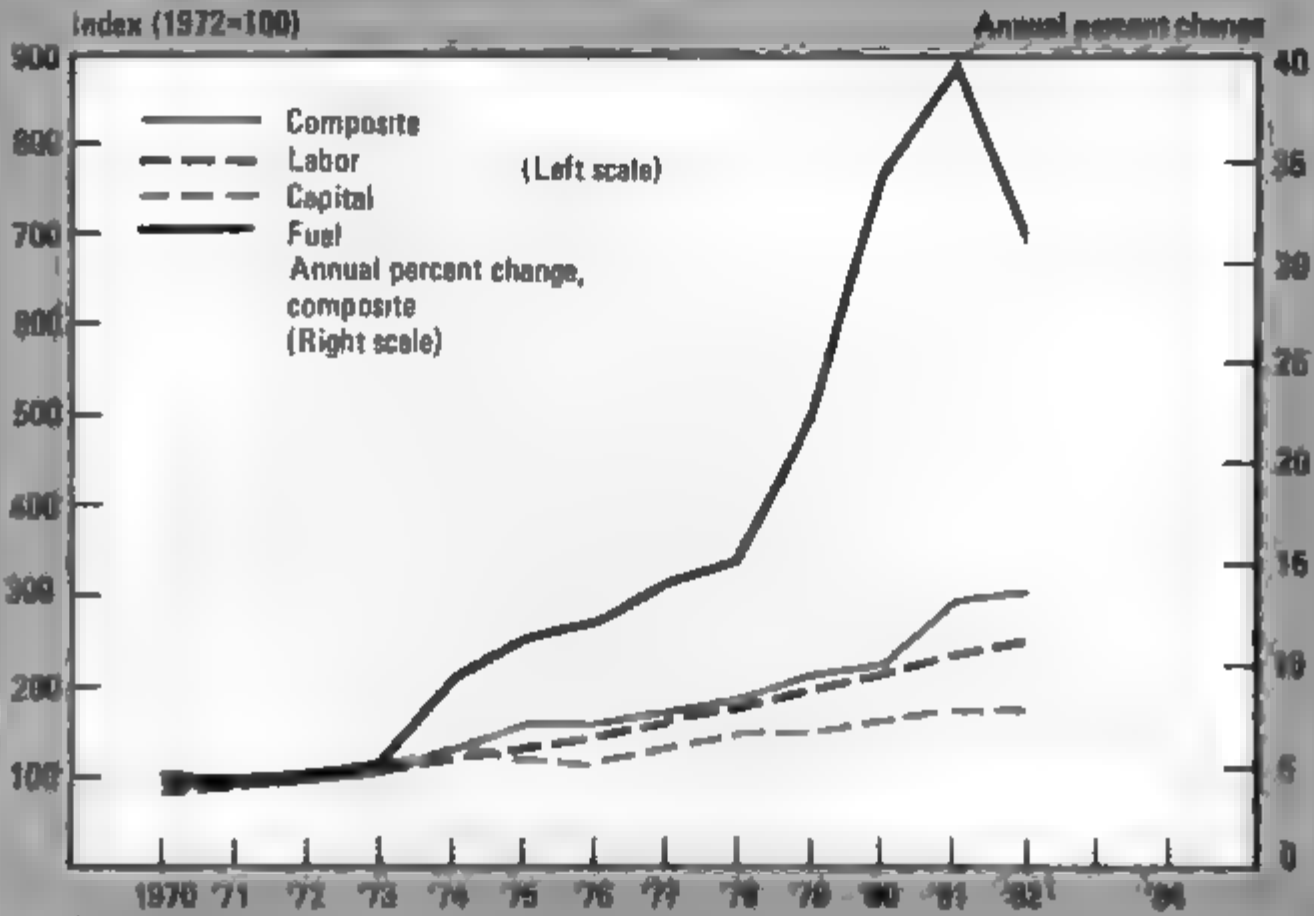
Source: 1960-1975, U.S. Federal Power Commission and, thereafter, U.S. Energy Information Administration, *Statistics of Interstate Natural Gas Pipeline Companies*, annual.

Figure 23.1
Domestic Scheduled Air Carriers—Revenues, Miles Flown, and
Passengers Carried: 1965 to 1981



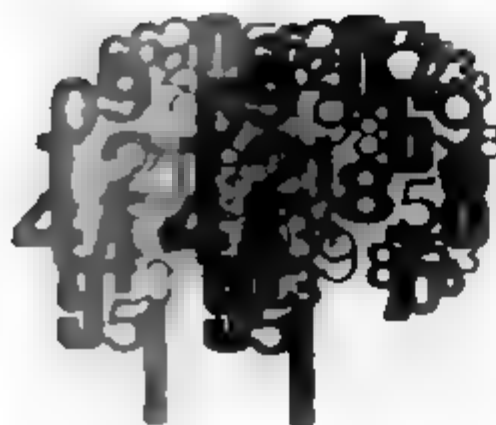
Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1098 and 1099

Figure 23.2
Airline Cost Indexes: 1970 to 1982



¹ January–March

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1103.



Section 23

Transportation— Air and Water

This section presents statistics on civil air transportation, both passenger and cargo, and on water transportation, including inland waterways, oceanborne commerce, the merchant marine, cargo and vessel tonnages, and shipbuilding. Comparative data on various types of transportation carriers are presented in section 22.

Principal sources of these data are the annual *FAA Statistical Handbook of Aviation* issued by the Federal Aviation Administration (FAA); the annual *Waterborne Commerce of the United States* issued by the Corps of Engineers of the Department of the Army; the monthly and annual issues of *U.S. Waterborne Exports and General Imports*, and *U.S. Airborne Exports and General Imports*, the annual *Vessel Entrances and Clearances*, and the monthly *Highlights of U.S. Export and Import Trade*, issued by the Bureau of the Census. In addition, the Bureau of the Census in its commodity transportation survey (part of the census of transportation, taken every five years, for years ending in "2" and "7") provides data on the type, weight, and value of commodities shipped by manufacturing establishments in the United States, by means of transportation, origin, and destination.

Air transportation data are also presented annually by the Air Transport Association of America, Washington, D.C. in *Air Transport Facts and Figures*. Additional sources of data on water transportation include *A Statistical Analysis of the World's Merchant Fleets*, issued periodically by the U.S. Maritime Administration; *The Bulletin*, issued monthly by the American Bureau of Shipping, New York; and the *Annual Summary of Merchant Ships Completed in the World* and the *Register Book*, published by Lloyd's Register of Shipping, London, England.

Civil aviation.—Federal promotion and regulation of civil aviation are carried out by the FAA and the Civil Aeronautics Board (CAB). The CAB promotes and regulates the civil air transportation industry within the United States and between the United States and foreign countries. The Board grants licenses to provide air transportation service, approves or disapproves proposed rates and fares, and approves or disapproves proposed agreements and corporate relationships involving air carriers. The responsibility for investigation of aviation accidents resides with the National Transportation Safety Board.

The principal activities of the FAA include: Controlling the use of navigable airspace; prescribing regulations dealing with the competency of airmen, airworthiness of aircraft, and air traffic control; operation of air route traffic control centers, airport traffic control towers, and flight service stations; the design, construction, maintenance, and inspection of navigation, traffic control, and communications equipment for the airways, development of general aviation; and promotion of air safety.

These agencies publish monthly and quarterly financial and traffic statistical data on the use of airway facilities; data related to the location of airmen, aircraft, and airports; the volume of activity in the field of non-air carrier (general aviation) flying; and aircraft production and registration.

Air carriers and service.—The CAB issues "certificates of public convenience and necessity" in two categories: *Certificated route air carriers* (often referred to as "scheduled airlines") and *supplemental (or charter) air carriers* (see footnote 3, table 1105). Certificated route air carriers are passenger/cargo and all-cargo carriers which are authorized to perform *scheduled service* over specified routes according to published flight schedules. Certificated route carriers are, however, allowed to perform some *non-scheduled service* (i.e., revenue flights outside of the regular schedule, such as charter flights, and all nonrevenue flights incident to such flights).

Vessel shipments, entrances, and clearances.—Shipments by dry cargo vessels comprise shipments on all types of watercraft, except tanker vessels; shipments by tanker vessels comprise all types of cargo, liquid and dry, carried by tanker vessels.

A vessel is reported as entered only at the first port which it enters in the United States whether or not cargo is unloaded at that port. A vessel is reported as cleared only at the last port at which clearance is made to a foreign port, whether or not it takes on cargo. Army and Navy vessels entering or clearing without commercial cargo are not included in the figures.

Units of measurement.—Cargo (or freight) tonnage and shipping weight both represent the gross weight of the cargo including the weight of containers, wrappings, crates, etc. However, shipping weight excludes lift and cargo vans and similar substantial outer containers. Other tonnage figures generally refer to stowing capacity of vessels, 100 cubic feet being called 1 ton. Gross tonnage comprises the space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, stores, passengers, or crew, with certain minor exceptions. Net or registered tonnage is the gross tonnage less the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. Substantially, it represents space available for cargo and passengers. The net tonnage capacity of a ship may bear little relation to weight of cargo. Deadweight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is, therefore, the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 1098. CERTIFICATED ROUTE PASSENGER/CARGO AIR CARRIERS—NUMBER, OPERATING REVENUES, AND EXPENSES: 1960 TO 1981

(In millions of dollars, except number of carriers. 1960-1979, includes scheduled and charter operations. Beginning 1980, includes all cargo carriers. Minus sign (-) denotes loss. See also headnote, table 1099, and *Historical Statistics, Colonial Times to 1970*, series Q 591-603)

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Number of air carriers	55	90	99	32	33	33	33	36	40	63	69
DOMESTIC											
Revenue	2,129	3,800	7,191	11,448	11,911	13,788	15,090	17,843	21,237	26,404	29,813
Passenger	1,880	3,180	6,359	9,803	10,290	12,104	13,772	15,753	18,830	23,317	25,987
Mail (including subsidy)	113	188	205	260	247	292	355	334	413	530	609
Express and freight	103	231	472	679	702	836	978	1,107	1,164	1,582	1,894
Other	53	40	94	606	672	556	555	749	810	974	1,054
Expenses	2,091	3,166	7,126	10,846	11,781	13,213	15,098	16,848	21,213	26,406	29,277
Flying operations	601	855	2,098	3,297	3,809	4,401	5,229	5,577	7,867	11,029	12,137
Maintenance	438	640	1,127	1,500	1,595	1,802	1,986	2,125	2,421	2,758	2,849
General services and administration	624	1,354	3,157	4,689	5,050	5,774	6,536	7,556	9,120	10,545	12,027
Passenger service	(NA)	280	707	1,027	1,118	1,260	1,461	1,711	2,091	2,329	2,525
Aircraft and traffic servicing	(NA)	554	1,298	1,995	2,125	2,412	2,893	3,083	3,819	4,051	4,496
Promotion and sales	(NA)	374	608	1,173	1,265	1,490	1,708	2,028	2,547	3,095	3,706
General and administrative	(NA)	145	344	494	544	612	674	754	883	1,069	1,298
Depreciation and amortization	229	318	745	865	883	920	960	1,213	1,352	1,560	1,737
Transport related	(NA)	(NA)	(NA)	297	383	318	325	477	453	517	532
Net operating income	38	444	9	799	129	575	854	895	123	-6	388
INTERNATIONAL											
Revenue	688	1,211	1,812	2,822	3,063	3,318	3,774	4,332	5,191	6,543	6,399
Passenger	526	954	1,553	2,332	2,435	2,636	3,019	3,494	4,226	4,984	4,921
Mail (including subsidy)	56	91	110	92	97	85	88	92	107	175	165
Express and freight	59	140	209	359	381	403	444	457	534	1,011	971
Other	42	26	41	139	150	190	224	288	325	372	333
Expenses	639	1,001	1,894	2,905	3,089	3,182	3,582	4,008	5,186	6,796	6,895
Flying operations	180	263	515	1,037	1,050	1,089	1,170	1,211	1,795	2,775	2,754
Maintenance	102	146	241	356	363	368	414	458	521	616	582
General services and administration	290	493	950	1,312	1,345	1,431	1,606	1,898	2,289	2,811	2,790
Passenger service	(NA)	98	223	292	297	298	347	422	531	600	580
Aircraft and traffic servicing	(NA)	162	332	491	510	536	596	676	820	1,049	993
Promotion and sales	(NA)	172	293	367	399	451	506	599	749	917	945
General and administrative	(NA)	61	103	162	149	148	158	191	189	246	292
Depreciation and amortization	78	100	188	214	212	193	238	303	327	365	366
Transport related	(NA)	(NA)	(NA)	75	88	101	120	148	173	178	144
Net operating income	49	210	19	-73	4	133	222	324	96	-223	-295

NA Not available.

Source: U.S. Federal Aviation Administration. From data supplied by U.S. Civil Aeronautics Board, *CAB Air Carrier Financial Data*, annual.

No. 1096. CERTIFICATED ROUTE AIR CARRIERS—SUMMARY: 1960 TO 1981

[As of Dec. 31 or for calendar years. See text, p. 631. Operations between continental U.S. and Hawaii (through 1965), Puerto Rico, and outlying areas included with international. Intra-Alaska included with domestic carriers and Mainland Alaska with international, as follows: Number of operators and traffic data, fuel and financial data, and personnel data, 1960 and 1965. Beginning 1970, Alaska and Hawaii included in domestic. See also *Historical Statistics, Colonial Times to 1970*, series Q 577-590 and Q 624-633.]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981
Domestic operators ¹	Number	43	39	35	33	35	34	52	63	63
International operators ¹	Number	12	11	8	2	2	2			
Employment, total ²	1,000	166	211	297	290	308	329	341	371	350
Pilots, copilots, and other flight personnel	1,000	17	22	33	32	34	36	37	38	37
Flight attendants	1,000	11	17	34	39	45	48	53	57	55
Mechanics	1,000	34	42	48	45	45	44	45	45	46
Aircraft and traffic servicing personnel	1,000	43	58	84	83	90	96	88	122	95
Other	1,000	81	72	98	91	94	104	108	108	117
Aircraft in operation ³	Number	1,867	1,898	2,437	2,267	2,234	2,348	2,466	2,505	2,523
Fixed-wing	Number	1,842	1,875	2,421	2,260	2,231	2,345	2,466	2,505	2,523
Turboprop	Number	202	712	2,041	2,022	2,064	2,184	2,308	2,336	2,295
Two-engine	Number		41	519	500	529	579	621	652	731
Three-engine	Number		168	831	961	1,035	1,140	1,232	1,311	1,284
Four-engine	Number	202	503	891	561	500	465	455	373	280
Turbopiston	Number	227	266	316	193	156	155	152	163	223
Piston	Number	1,413	867	84	45	11	8	8	6	5
Helicopters	Number	25	21	16	7	3	3	-	-	-
Average available seats ^{4,5}	Number									
Domestic	Number	65.5	89.2	110.4	130.4	135.9	140.0	139.8	143.1	147.3
International	Number	89.9	129.1	154.9	224.8	236.7	244.1	259.1	274.5	280.3
Average/hr. speed: ⁶										
Domestic	Mi. per hr.	235	314	403	403	408	409	406	405	403
International	Mi. per hr.	303	445	482	482	487	489	493	494	495
Fuel consumed: ⁷										
Gasoline	Mil. gal.	1,189	519	14	6	(¹)	(¹)	(¹)	(¹)	(¹)
Jet fuel:										
Domestic	Mil. gal.	688	3,420	7,842	7,558	8,339	8,621	9,378	9,218	8,550
International	Mil. gal.	943	1,236	2,241	1,949	1,957	1,913	1,993	2,093	2,032
Revenue-miles flown ⁸	Millions	996	1,354	2,426	2,241	2,419	2,520	2,791	2,816	2,700
Domestic	Millions	829	1,099	2,027	1,908	2,104	2,201	2,435	2,471	2,394
International	Millions	168	255	399	332	315	319	355	345	306
Revenue passengers enplaned ⁹	Millions	62	103	169	205	240	275	317	297	286
Domestic	Millions	56	92	153	189	222	254	293	273	285
International	Millions	6	11	16	16	18	21	24	24	21
Revenue passenger-miles flown: ¹⁰	Billions									
Domestic	Billions	30.6	51.9	104.1	131.7	156.6	162.7	206.9	200.8	196.6
International	Billions	8.3	16.8	27.6	31.1	36.6	44.1	53.1	54.4	50.1
Average passenger-mile rate: ¹¹	Dollars									
Domestic	Dollars	.061	.061	.060	.077	.066	.085	.091	.113	.127
International	Dollars	.084	.053	.050	.072	.076	.075	.077	.075	.081
Express and freight revenue, ton-miles flown ¹²	Millions	702	1,820	3,515	4,796	5,427	5,816	5,964	5,742	5,685
Domestic	Millions	478	1,112	2,216	2,747	3,125	3,505	3,466	3,277	3,350
International	Millions	226	708	1,299	2,049	2,301	2,313	2,498	2,465	2,335
Mail, ton-miles flown: ¹³	Millions									
Domestic	Millions	135	228	715	863	752	807	853	949	996
International	Millions	107	265	549	425	408	374	372	383	376
Accidents (scheduled passenger service):										
Domestic, total ¹⁴	Number	62	55	32	21	15	18	14	19	*24
Fatal	Number	*10	6	1	2	2	4	4	2	*4
Fatalities ¹⁵	Number	363	223	1	122	75	16	279	14	*4
Passenger-fatalities per 100 million passenger miles flown ¹⁶	Number	.9	.4	-	.081	.038	.008	.125	.005	.002
International, total	Number	5	8	7	7	3	1	4	(¹⁷)	(¹⁷)
Fatal	Number	2	1	1	-	-	-	1	(¹⁷)	(¹⁷)
Fatalities ¹⁸	Number	15	30	2	-	-	-	73	(¹⁷)	(¹⁷)
Passenger-fatalities per 100 million passenger miles flown	Number	1	1	.007	-	-	-	.115	(¹⁷)	(¹⁷)

- Represents zero. ¹The Airline Deregulation Act of 1978 lifted some restrictions on entering new markets. As a result there is no longer a clear distinction between domestic and international operators. Includes all cargo. ²Scheduled airlines only. Source: Air Transport Association of America, Washington, D.C., *Air Transport Facts and Figures*. ³Excludes those used for crew training and general utility purposes, or held for disposal. Beginning 1973, includes aircraft operated by the scheduled all-cargo certificated route air carriers. ⁴Passenger seat-miles divided by revenue-miles flown in passenger service. ⁵Scheduled services of all certificated route air carriers; includes all cargo. ⁶Includes air cargo. ⁷Included in "Jet fuel." ⁸Beginning 1960, international data included with domestic. ⁹Preliminary. ¹⁰Includes mid-air collisions nonfatal to air carrier occupants (excluded in computation of fatal accidents). ¹¹Includes crew members. ¹²Excludes passenger deaths in dynamic accidents (29 in 1980).

Source: Except as noted, U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual. Includes data from U.S. Civil Aeronautics Board and U.S. National Transportation Safety Board.

NO. 1100. CERTIFICATED ROUTE AIR CARRIERS—SERVICE AND TRAFFIC: 1960 TO 1981

[In millions, except as indicated]

ITEM	1960	1965	1970	1975	1977	1978	1979	1980	1981
Revenue ton-miles, all services	6,024	9,886	20,186	23,534	27,583	31,086	34,551	34,886	33,875
Revenue ton-miles, scheduled	4,720	8,985	18,168	22,185	25,909	29,879	33,290	32,603	31,934
Passenger ¹	3,777	6,672	13,171	16,261	19,322	22,878	26,202	25,519	24,876
U.S. mail	241	483	1,470	1,097	1,147	1,168	1,208	1,318	1,347
Foreign mail	9	10	10	12	13	14	18	24	28
Express	59	90	107	29	41	56	58	56	89
Freight	843	1,730	3,408	4,766	5,385	5,783	5,908	5,886	5,617
Revenue ton-miles, charter ²	296	909	2,020	1,348	1,674	1,416	1,161	2,053	1,941
Available ton-miles, all services	9,384	19,661	44,298	49,289	54,781	56,899	62,546	65,113	64,150
Ton-mile load factor (percent)	53.5	50.3	45.6	47.7	50.3	54.7	55.2	52.4	52.8
Scheduled services total:									
Revenue passengers enplaned, scheduled	62	103	170	205	240	275	317	297	286
Revenue passenger-miles (bil.)	39	69	132	183	193	237	262	255	249
Available seat-miles (bil.)	66	124	265	303	348	369	416	433	425
Passenger load factor (percent)	59.3	55.2	49.7	53.7	55.9	61.5	63.0	59.0	58.6
Revenue passenger-miles per gallon of fuel (number)	(NA)	(NA)	(NA)	18.5	21.2	23.8	23.2	23.1	23.7
Revenue plane-miles	996	1,354	2,416	2,241	2,419	2,520	2,791	2,816	2,700

NA Not available. ¹A passenger ton-mile represents 1 ton of passenger weight, including free and excess baggage, transported 1 mile. ²Passenger and cargo.

Source: Air Transport Association of America, Washington, D.C., *Air Transport Facts and Figures*, annual. Data from Civil Aeronautics Board.

NO. 1101. AIRPORTS AND FEDERAL AIRPORT DEVELOPMENT AID PROGRAM, 1981, AND GENERAL AVIATION AIRCRAFT, BY STATE, 1980

[As of Dec. 31. General aviation comprises all civil flying (including such commercial operations as small demand air taxis, agricultural application, powerline patrol, etc.), but excludes certificated route air carriers, supplemental operators, large-aircraft commercial operators and commuter airlines]

STATE	AIRPORTS, 1981 ¹		AIRPORT DEVELOPMENT AID ² (mil. dol.)		General aviation aircraft, 1980	STATE	AIRPORTS, 1981 ¹		AIRPORT DEVELOPMENT AID ² (mil. dol.)		General aviation aircraft, 1980
	Public	Private	Total funds, 1970-1981	■ funds			Public	Private	Total funds, 1970-1981	1981 funds	
Total	4,784	10,654	4,331.7	431.5	7211,045	Mo	118	275	98.5	18.5	4,089
Ala	97	88	59.5	5.5	2,083	Mont	118	72	49.2	3.8	2,269
Alaska	477	212	215.8	16.4	6,465	Nebr	94	240	54.4	3.4	1,809
Ariz	96	128	91.3	11.3	4,891	Nev	82	86	66.1	13.8	2,145
Ark	61	76	35.2	2.8	2,612	N.H.	15	37	9.1	5	1,100
Calif	295	537	367.0	39.5	29,855	N.J.	35	236	82.3	18.2	4,137
Colo	90	222	120.9	11.3	4,788	N. Mex	66	90	38.9	5.0	2,041
Conn	15	90	23.2	2.9	1,615	N.Y.	83	403	195.4	13.2	6,278
Del	3	34	5.0	1	548	N.C.	90	196	95.4	4.1	3,542
D.C.	7	9	-	-	59	N. Dak	87	268	35.5	4.0	1,684
Fla.	132	374	228.6	25.7	11,347	Ohio	133	541	88.5	11.1	6,282
Ga.	125	166	150.5	12.7	4,412	Okl	126	171	79.5	10.1	4,612
Hawaii	18	33	107.2	8.1	395	Oreg	96	222	70.3	5.8	5,967
Idaho	126	70	33.3	5.6	2,094	Pa.	77	621	162.3	15.6	6,167
Ill.	98	631	173.1	14.9	8,990	R.I.	8	10	12.7	2.6	359
Ind.	78	267	105.5	7.9	4,248	S.C.	66	71	42.8	4.6	1,907
Iowa	117	153	45.3	4.2	4,194	S. Dak	74	88	35.8	3.2	1,388
Kans	129	247	52.5	5.3	4,160	Tenn	77	87	82.7	6.9	2,624
Ky	62	83	59.5	5.1	1,810	Tex.	322	1,109	298.1	27.4	18,874
La.	74	218	101.2	7.9	3,625	Utah	57	45	45.9	3.6	1,468
Maine	45	113	26.5	4.8	1,341	Vi.	20	45	8.5	1.3	471
Md.	24	121	40.1	3.5	2,755	Va.	56	202	69.4	9.1	3,013
Mass	35	101	58.6	6.8	3,044	Wash	116	245	93.7	9.9	6,483
Mich	133	264	142.0	12.5	7,243	W. Va.	28	62	43.5	2.3	1,060
Minn.	145	348	63.5	6.6	5,287	Wis.	102	306	79.4	6.1	4,389
Miss	82	98	48.0	1.9	2,199	Wyo	44	61	36.6	3.8	1,143

- Represents zero. ¹Includes military airports with joint civil and military use, heliports, seaplane bases, etc. ²Represents funds obligated. Excludes contributions by State and local governments and by airport operators provided under various agreements. "Total" is cumulative since enactment of Airport Development Aid Program, July 1, 1970-Sept. 30, 1981. ³Includes aircraft based outside the United States, but registered in the U.S. Based on survey and subject to sampling error. Small estimates especially should be interpreted with caution.

Source: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual.

NO. 1102. CIVIL FLYING—SUMMARY: 1960 TO 1981

[As of Dec. 31 or for years ending Dec. 31, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series Q 604-623]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1978	1980	1981
Airports in operation ¹	Number.....	6,881	9,566	11,261	13,251	14,117	14,574	14,748	15,161	15,476
Heliports.....	Number.....	66	401	790	1,524	1,850	1,986	2,108	2,336	2,507
Public.....	Number.....	2,780	3,570	4,260	4,573	4,708	4,751	4,761	4,814	4,798
Private.....	Number.....	4,101	5,996	7,001	8,678	9,409	9,823	9,985	10,347	10,678
Airports with runway lights.....	Number.....	2,133	2,878	3,554	4,171	4,483	4,567	4,631	4,738	4,795
Airports with paved runways.....	Number.....	1,893	2,747	3,805	4,865	5,313	5,484	5,618	5,833	5,002
Miles of Federal airways.....	1,000.....	(NA)	(NA)	324.7	403.9	623.9	605.7	615.5	815.5	569.6
Airport Development Aid Program: ²										
Air carrier airports.....	Mil. dol.....	73.3	44.3	39.4	287.8	434.3	465.0	506.6	540.1	379.6
General aviation airports.....	Mil. dol.....	8.7	15.2	11.1	52.1	72.0	74.8	117.6	98.9	63.0
Total civil aircraft.....	1,000.....	111.6	142.1	154.5	196.3	215.3	236.8	251.5	259.4	261.6
Active aircraft ³	1,000.....	78.8	97.7	134.5	171.2	186.8	201.3	213.9	214.8	(NA)
Air carriers, total ⁴	1,000.....	2.2	2.3	2.8	2.5	2.5	2.6	3.6	3.8	4.0
General aviation aircraft ⁵	1,000.....	76.5	95.4	131.7	166.5	184.3	198.7	210.3	211.0	(NA)
Fixed-wing aircraft:										
Multi-engine.....	1,000.....	7.2	12.0	18.4	24.6	28.6	28.9	31.3	31.7	(NA)
Single-engine:										
4-place and over.....	1,000.....	34.8	49.8	64.6	82.6	91.3	101.5	108.0	107.9	(NA)
3-place and less.....	1,000.....	33.5	31.4	44.9	54.4	57.3	59.2	62.4	60.5	(NA)
Rotorcraft ⁶	1,000.....	.6	1.5	2.2	4.1	4.7	5.1	5.9	4.9	(NA)
Balloons, blimps, gliders, etc.....	1,000.....	.4	.8	1.6	2.8	4.4	4.0	4.8	5.0	(NA)
Airman certificates held.....	1,000.....	518	684	1,023	1,052	1,133	1,161	1,192	1,221	1,163
Pilot ⁷	1,000.....	348	480	733	728	784	799	815	827	764
Held by women.....	Percent.....	2.9	3.7	4.0	5.2	6.0	6.2	6.4	6.4	6.2
Airline transport.....	1,000.....	18	22	34	43	50	56	64	70	70
Commercial.....	1,000.....	90	117	187	189	189	186	182	183	169
Private.....	1,000.....	139	196	304	306	327	338	343	357	329
Student.....	1,000.....	99	139	196	177	204	205	210	200	180
Nonpilot ⁸	1,000.....	170	204	290	324	349	362	377	393	398
Ground technicians ⁹	1,000.....	151	175	241	271	291	302	307	321	336
General aviation: ⁵										
Hours flown ¹⁰	Million.....	13.1	16.7	26.0	32.0	35.8	39.4	43.3	41.0	(NA)
Fuel consumed: ¹¹										
Gasoline.....	Mil. gal.....	(NA)	304	362	397	465	518	570	520	(NA)
Jet fuel ¹²	Mil. gal.....	(NA)	183	415	510	711	763	736	766	(NA)
Domestic air cargo, revenue ton-miles flown ¹³	Million.....	724	1,661	2,581	3,049	3,430	3,824	3,794	3,579	3,660
Certificated route carriers:										
Scheduled service ¹⁴	Million.....	476	1,112	2,215	2,747	3,125	3,505	3,486	3,277	3,350
Nonscheduled service ¹⁴	Million.....	135	330	80	39	70	57	88	¹⁵ 302	¹⁵ 310
Supplemental carriers ¹⁶	Million.....	112	220	285	263	235	262	240	(¹⁵)	(¹⁵)
Aircraft accidents: ¹⁷										
General aviation ⁵	Number.....	4,793	5,196	4,712	4,237	4,286	4,494	4,051	3,599	3,634
Fatal.....	Number.....	429	538	641	675	702	793	682	629	662
Fatalities.....	Number.....	787	1,029	1,310	1,345	1,436	1,770	1,382	1,264	1,265
Air carrier ¹⁸	Number.....	90	83	55	45	26	24	32	15	24
Fatal.....	Number.....	17	9	8	3	5	6	6	-	4
Fatalities.....	Number.....	499	261	146	124	655	163	355	-	4
Commuter air carriers, total.....	Number.....	(NA)	(NA)	(NA)	46	42	54	57	37	28
Fatal.....	Number.....	(NA)	(NA)	(NA)	12	9	13	14	7	9
Fatalities.....	Number.....	(NA)	(NA)	(NA)	26	32	47	65	36	35
Passenger fatalities per 100 million passenger miles flown.....	Number.....	(NA)	(NA)	(NA)	1.47	2.01	2.90	3.69	(NA)	(NA)
Hijacking incidents, worldwide.....	Number.....	-	5	83	25	29	31	27	40	32
U.S.-registered aircraft.....	Number.....	-	4	27	12	3	13	13	22	8
Successful ¹⁹	Number.....	-	1	18	4	-	2	6	13	2
Foreign-registered aircraft.....	Number.....	-	1	56	13	26	18	14	18	24
Successful ¹⁹	Number.....	-	-	37	3	16	8	8	9	13

- Represents zero. NA Not available. ¹Existing airports, heliports, seaplane bases, etc. recorded with FAA. Includes military airports with joint civil and military use. Includes U.S. outlying areas. Airport-type definitions: Public—publicly owned and under control of a public agency; private—owned by a private individual or corporation. May or may not be open for public use.

²Obligated Federal funds only; fiscal year data. Includes U.S. outlying areas. Prior to July 1, 1970, data are for Federal-Aid Airport Program (FAAP). ³Registered aircraft that flew 1 or more hours during the year. ⁴Includes helicopters. ⁵See headnote, table 1101. ⁶Includes autogyros; excludes air carrier helicopters. ⁷Includes all active pilots. An active pilot is one with a pilot certificate and a valid medical certificate. Also includes pilots who hold only a helicopter, glider, or lighter than air certificate, not shown separately. ⁸Includes dispatchers, control tower operators, flight navigators and engineers, and ground technicians—mechanics, parachute riggers, and ground instructors. ⁹No medical examinations are required, therefore, data represent all certificates on record and include retired or otherwise inactive technicians. ¹⁰Hours flown for 1975 and 1976 are revised. In 1980, the 41.0 million flight hours comprised 13.7 hours of business and executive flying, 11.5 hours of commercial flying (including air taxi, aerial applicator, rental aircraft), 5.7 hours of instructional flying; 8.9 hours of personal flying, and 1.0 hours of flying for other purposes. Detail does not add to total due to independent estimating technique. ¹¹Source: 1965-1975, U.S. Bureau of Mines; 1977, U.S. Energy Information Administration, *Crude Petroleum; Petroleum Products, and Natural Gas Liquids* (Final Summary); 1978-1980 FAA General Aviation Activity and Avionics Survey. ¹²Includes kerosene-type and naphtha-type jet fuels. ¹³Total domestic, includes freight and air express. ¹⁴Includes civilian and military freight and other revenue ton-miles. ¹⁵Beginning 1980, supplementals included in nonscheduled service. ¹⁶Civil and military. ¹⁷Data from National Transportation Safety Board. Beginning 1970, data not strictly comparable due to change of definition. ¹⁸Beginning 1975, includes commercial operators. Beginning 1980, includes only aircraft operating under Federal Aviation Regulation 14 CFR 121 (large aircraft in scheduled service). ¹⁹Hijacker controls flight and reaches destination or objective.

Source: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual and unpublished data. Includes data from U.S. Civil Aeronautics Board.

No. 1103. AIRLINE COST INDEXES: 1968 TO 1982

[Covers U.S. trunk and local service carriers. Does not include cargo carriers, Hawaiian carriers, or Alaskan carriers]

ITEM	INDEX (1972 = 100)								PERCENT OF CASH OPERATING EXPENSES ²			
	1968	1970	1975	1978	1979	1980	1981	1982 ¹	1968	1975	1980	1982 ¹
Composite	76.8	87.9	141.4	182.8	210.5	281.4	298.8	302.9	100.0	100.0	100.0	100.0
Labor	87.8	83.0	129.2	178.1	190.5	212.8	235.8	248.0	45.2	41.4	36.1	36.8
Capital ³	100.3	108.7	118.8	142.5	140.1	159.8	178.3	175.1	4.0	2.8	2.9	3.7
Fuel	87.2	93.7	249.7	336.8	496.0	766.1	892.7	876.7	13.8	19.1	30.5	29.1
Passenger food	87.6	85.8	118.1	125.1	135.8	153.9	167.9	172.5	4.1	3.5	3.0	2.9
Advertising and promotion	102.9	99.7	100.0	100.8	105.7	133.1	167.0	173.2	3.2	1.8	1.6	1.8
Landing fees	85.7	81.0	134.2	159.1	175.8	194.4	213.0	222.3	2.2	2.4	1.7	1.6
Craft maintenance	116.9	97.9	129.1	147.9	149.8	164.0	172.2	163.2	4.2	2.8	2.1	1.6
Passenger traffic commissions	88.6	82.2	152.5	198.7	229.3	321.0	398.4	413.8	2.7	3.9	5.5	6.1
All other	82.7	91.5	125.5	150.0	162.8	177.4	193.8	202.0	20.6	22.1	16.6	16.3

¹Jan.-Mar. ²Total operating expenses plus interest on long term debt, less depreciation and amortization. ³Beginning 1978, includes imputed interest for capitalized leases.Source: Air Transport Association of America, Washington, D.C. *Air Transport*, 1982, annual, and unpublished data.

No. 1104. COMMUTER/REGIONAL AIRLINE OPERATIONS—SUMMARY: 1970 TO 1981

[Calendar year data, except as indicated. Commercial/regional airlines operate primarily aircraft of predominately 60 passengers or less and 18,000 pounds payload of cargo serving short haul and small community markets. Represents operations within all North America by U.S. regional carriers]

ITEM	Unit	1970	1975	1976	1977	1978	1979	1980	1981
Carriers ¹	Number	159	236	252	242	252	258	237	277
All cargo carriers	Number	(NA)	(NA)	31	34	36	53	59	59
Aircraft in service ²	Number	743	1,073	1,009	1,130	1,200	1,350	1,808	1,743
Communities served	Number	(NA)	(NA)	(NA)	717	677	630	571	738
Airports served	Number	483	747	781	784	702	660	605	768
Revenue passengers enplaned	1,000	4,270	7,243	7,814	9,185	11,026	13,972	14,810	17,012
By 50 largest carriers	1,000	(NA)	(NA)	6,282	7,259	8,422	11,349	12,167	13,693
Revenue passenger miles	Millions	(NA)	733	834	846	1,279	1,724	1,917	2,330
Cargo pounds	Millions	43.5	129.2	151.8	198.2	298.6	345.6	472.0	(NA)

NA Not available. ¹As of June 30. ²Fiscal year data.Source: Regional Airline Association, Washington, D.C., *Annual Report*.

No. 1105. CHARTER PASSENGERS, BY FLAG OF AIR CARRIER AND BY AREA OF TRAVEL: 1970 TO 1980

[In thousands. Covers charter flights to, from, or within the U.S. 1970-1975 estimates derived by multiplying available seats by passenger load factors; thereafter, based on actual passengers]

ITEM	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980 ¹
Total passengers	3,882	5,725	6,846	6,236	6,746	7,380	9,038	8,388	9,900	3,338
U.S. Route carriers ²	1,355	2,684	3,179	3,040	2,836	4,109	4,587	3,671	2,854	794
Charter (supplemental) carriers ³	1,647	2,013	2,474	2,129	1,470	1,631	2,229	2,405	1,843	790
Foreign: Route carriers ⁴	380	518	674	476	589	721	845	1,023	803	777
Charter (supplemental) carriers ⁵	470	512	313	591	651	929	1,367	1,010	1,000	968
Domestic travelers	1,387	2,188	2,575	2,348	1,989	2,859	3,524	3,102	2,159	109
International travelers ⁶	2,466	3,557	4,086	3,888	3,776	4,531	5,514	5,207	4,341	3,220
Transatlantic	1,818	2,485	2,788	2,386	2,321	2,716	3,539	2,821	1,808	1,144
Latin America ⁷	444	788	816	806	684	1,001	1,130	1,416	1,000	888

¹The compilation of domestic, and consequently total passengers, no longer includes charter passengers within the contiguous 48 States. In 1979, such passengers were 2,049,000 of the domestic total of 2,159,000. In 1980, domestic travelers represent mainland to Hawaii and Alaska passengers only. ²Covers charter service of scheduled airlines. See text, p. 631 for definition. ³Covers charter service of charter airlines. Previously known as the U.S. Supplemental Airlines, with certificated charter authority from the Civil Aeronautics Board, charter airlines, as a result of the 1978 Deregulation Act, have authority to engage in both charter and scheduled services. ⁴Includes other, not shown separately. ⁵Includes Caribbean.Source: National Air Carrier Association, Washington, D.C., *Annual Report*.

NO. 1106. AEROSPACE—SALES, NEW ORDERS, AND BACKLOG: 1970 TO 1981

[Reported by establishments in which the principal business is the development and/or production of aerospace products]

ITEM	TOTAL (bil. dol.)						PERCENT U.S. GOVERNMENT					
	1970	1975	1978	1979	1980	1981, prel.	1970	1975	1978	1979	1980	1981, prel.
Net sales	24.8	29.5	36.0	46.2	58.4	68.9	65.3	58.6	57.6	50.3	45.7	47.5
Complete aircraft and parts ¹	10.4	11.3	14.7	19.1	22.6	26.7	54.8	46.9	48.5	33.4	29.6	32.2
Aircraft engines and parts	3.1	3.4	4.6	5.8	8.8	8.2	61.5	47.0	40.9	40.6	(NA)	(NA)
Missiles and parts	5.4	6.3	(NA)	7.2	8.4	9.8	98.9	93.7	(NA)	47.0	(NA)	(NA)
Other products, services	5.9	8.5	18.7	14.3	20.5	24.2	(X)	(X)	(X)	(X)	(X)	(X)
Net new orders	21.2	29.0	49.8	65.2	70.4	72.7	71.4	64.1	52.2	43.1	47.6	56.1
Backlog, Dec. 31	24.7	35.0	57.2	78.3	90.5	94.3	52.1	63.2	52.9	46.2	41.1	48.1

NA Not available. X Not applicable. ¹Except engines sold separately. ²Includes missiles and parts.Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MC-37D.

NO. 1107. CIVIL AIRCRAFT SHIPMENTS: 1960 TO 1980

[Represents manufacturers' shipments of non-military complete aircraft. Includes both domestic and export output]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
Total	8,161	12,546	8,190	14,748	15,117	15,199	16,446	16,159	13,862	17,324	13,139
Transports	238	221	311	295	263	314	238	(NA)	(NA)	(NA)	(NA)
General aviation	7,726	12,063	7,364	13,671	14,029	14,043	15,649	17,175	15,049	16,663	11,777
Single-engine: 1- to 3-place	1,366	3,545	1,981	3,137	3,348	3,047	3,175	3,986	4,881	3,293	8,175
4-place and over	5,072	6,478	4,046	7,881	8,124	8,480	9,864	10,372	9,501	9,751	3,802
Multi-engine	1,280	2,030	1,352	2,653	2,556	2,536	2,619	2,817	3,857	3,839	3,802
Rotorcraft	217	372	496	782	828	839	560	984	833	1,041	1,353

NA Not available.

Source: Through 1977, U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual. Beginning 1978, U.S. Bureau of the Census, *Current Industrial Reports*, series M-37G.

NO. 1108. EMPLOYMENT AND EARNINGS IN AIRCRAFT INDUSTRIES: 1960 TO 1981

[Annual averages of monthly figures. Covers industries as defined by the 1972 Standard Industrial Classification Manual]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981
Employment, total	1,000	624	630	644	807	564	621	719	763	771
Aircraft	1,000	337	333	371	293	270	285	333	349	348
Aircraft engines and engine parts	1,000	(NA)	(NA)	(NA)	126	121	134	152	163	163
Guided missiles, space vehicles, and parts	1,000	(NA)	(NA)	(NA)	93	83	83	102	111	122
Aircraft equipment, N.e.c. ¹	1,000	(NA)	(NA)	(NA)	85	60	106	126	140	140
Average weekly earnings: Aircraft	Dollars	110	131	188	254	284	334	360	404	444
Aircraft engines and parts	Dollars	(NA)	(NA)	(NA)	247	292	325	361	394	422
Guided missiles, space vehicles, and parts	Dollars	(NA)	(NA)	(NA)	245	268	317	347	378	410
Average hourly earnings: Aircraft	Dollars	5.71	3.15	4.17	6.21	7.07	7.79	8.80	9.86	10.74
Aircraft engines and parts	Dollars	(NA)	(NA)	(NA)	6.04	7.05	7.80	8.63	9.42	10.41
Guided missiles, space vehicles, and parts	Dollars	(NA)	(NA)	(NA)	6.02	7.04	7.66	8.25	9.22	10.06

NA Not available. ¹N.e.c.—Not elsewhere classified.Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 1109. AIRBORNE IMPORTS AND EXPORTS—SHIPPING WEIGHT AND VALUE: 1975 TO 1981

[Weight in millions of pounds, value in millions of dollars. Includes trade of Puerto Rico]

CONTINENT	IMPORTS						EXPORTS					
	Weight			Value			Weight			Value		
	1975	1980	1981	1975	1980	1981	1975	1980	1981	1975	1980	1981
All carriers ¹	1,053	1,344	1,803	5,917	25,044	29,988	1,430	2,289	2,263	14,584	46,093	47,331
North America	141	171	179	775	3,546	3,722	293	400	433	1,562	5,360	5,112
South America	116	140	205	412	1,188	1,418	196	362	380	1,225	3,264	3,578
Europe	413	526	629	4,266	11,459	11,625	582	863	853	7,432	24,194	22,866
Asia	377	483	559	3,026	8,682	11,414	246	416	438	3,445	10,419	12,162
U.S. carriers ¹	486	518	586	3,880	3,083	10,185	486	743	676	6,481	15,613	13,725
North America	51	55	65	329	1,002	1,671	110	157	185	711	3,239	2,860
South America	46	26	26	152	294	364	61	122	82	346	1,028	937
Europe	189	210	227	1,941	3,978	4,005	195	280	228	2,377	6,779	5,651
Asia	187	214	236	1,362	3,577	3,999	67	144	126	1,291	3,117	3,219

¹Includes shipments of special category and shipments to other continents, not shown separately.Source: U.S. Bureau of the Census, *United States Airborne Exports and General Imports*, FT 986, annual.

NO. 1110. EXPORTS OF U.S. AEROSPACE PRODUCTS: 1970 TO 1981

PRODUCT	NUMBER OF UNITS					VALUE (mil. dol.)				
	1970	1975	1979	1980	■	1970	1975	1979	1980	■
Total	(x)	(x)	(x)	(x)	(x)	3,191	7,498	11,854	15,997	13,267
Civilian:										
Complete aircraft	2,802	4,371	5,115	4,434	3,826	1,527	3,169	6,178	8,257	8,612
Transports	180	186	200	237	255	1,272	2,368	4,998	6,727	7,180
General aviation ¹	2,029	3,288	3,678	3,178	2,617	111	307	851	740	799
Helicopters	332	336	458	525	453	27	105	207	299	345
Other, incl. used	361	581	578	494	501	117	389	322	491	297
Engines	3,811	4,678	4,917	4,806	970	118	232	375	556	849
Turbines	849	876	908	1,393	1,749	99	187	323	514	739
Military:										
Complete aircraft	634	942	332	462	508	487	1,303	838	949	1,712
Transports	81	51	17	23	22	82	235	162	232	158
Helicopters	67	116	65	89	68	23	123	61	86	177
Fighters, bombers	217	489	133	90	113	331	902	494	449	1,006
Other ²	269	308	117	280	305	31	43	121	180	371
Engines	611	873	504	364	504	33	92	67	63	63
Civilian and military:										
Parts ³	(x)	(x)	(x)	(x)	(x)	1,027	2,610	3,899	5,232	1,477
Rockets, guided missiles	65,001	112,906	74,942	127,685	47,444	8	47	291	327	530
Missiles and rocket engines	39,615	7,400	1,731	7,042	8,147	11	3	6	13	4

X Not applicable. ¹Includes transports under 33,000 pounds. ²Includes trainers, general aviation, and used aircraft.

³Parts of engines, turbines, airframes, rockets, and missiles.

Source: U.S. Bureau of the Census, *United States Exports—Commodity by Country*, FT 446, annual.

NO. 1111. U.S. RECEIPTS AND PAYMENTS FOR INTERNATIONAL TRANSPORTATION: 1960 TO 1981

(In millions of dollars. Data are international transportation transactions recorded for balance of payment purposes (see table 1486). Receipts include freight on exports carried by U.S.-operated carriers and foreign carrier expenditures in U.S. ports. Payments include freight on imports carried by foreign carriers and U.S. carrier port expenditures abroad. Freight on exports carried by foreign carriers is excluded since such payments are directly or indirectly for foreign account. Similarly, freight on U.S. imports carried by U.S. carriers is a domestic rather than an international transaction. Minus sign (-) denotes excess of payments over receipts. See *Historical Statistics, Colonial Times to 1970*, series U 3 and U 10, for totals)

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	■	1981
Total receipts	1,782	2,446	3,664	6,979	7,976	8,530	10,002	12,184	14,079	15,169
Ocean transportation ¹	1,337	1,731	2,256	4,065	4,804	5,080	5,850	6,925	7,593	7,963
Export freight earnings	428	519	604	1,183	1,373	1,237	1,432	1,729	2,071	2,232
Freight earnings on shipments between foreign countries	136	153	209	328	363	395	412	480	588	561
Port expenditures	746	1,041	1,406	2,481	3,067	3,413	3,963	4,654	4,841	5,049
Charter hire	8	9	37	73	11	35	43	62	■	111
Air transportation	368	591	1,240	2,515	2,837	3,190	3,772	4,811	5,967	6,729
Export freight earnings	55	91	187	380	390	427	507	577	742	752
Passenger fares	156	262	541	1,039	1,229	1,365	1,803	2,156	2,562	2,991
Port expenditures	147	239	512	1,066	1,216	1,398	1,882	2,078	2,643	2,986
Other transportation	87	124	173	299	335	360	380	448	519	477
Total payments	1,915	2,669	4,068	7,971	9,430	10,822	11,836	13,641	14,679	16,086
Ocean transportation	1,333	1,803	2,380	4,465	5,448	6,178	6,991	7,930	7,719	8,008
Import freight payments	780	1,083	1,444	3,047	3,963	4,622	5,325	6,039	5,619	5,722
Passenger fares	212	207	245	278	270	261	252	258	268	297
Port expenditures	167	281	316	755	671	943	1,041	1,203	1,367	1,513
Charter hire	174	232	375	■	344	352	373	430	465	486
Air transportation	504	776	1,581	3,348	3,761	4,206	■	5,448	6,705	7,820
Import freight payments	22	40	115	248	301	362	448	506	562	708
Passenger fares	301	510	970	1,965	2,206	2,487	2,644	2,926	3,339	4,200
Port expenditures	181	225	496	1,115	1,161	1,357	1,508	2,016	2,804	2,914
Other transportation	76	90	97	160	212	238	245	293	255	270
Receipts balance	-133	-222	-398	-1,092	-1,444	-1,992	-1,834	-1,457	■	-916

¹Through 1965, includes small amount for passenger fares, not shown separately.

Source: U.S. Bureau of Economic Analysis, quarterly in *Survey of Current Business*.

NO. 1112. EXPORTS AND IMPORTS, BY METHOD OF TRANSPORT: 1960 TO 1981

[Export data include both domestic and foreign; import data for general imports only. For details, see source]

ITEM	Unit	EXPORTS						IMPORTS					
		1960	1965	1970	1975	1980	1981	1960	1965	1970	1975	1980	1981
All methods ¹	Bil. dol.	20.6	27.5	43.2	107.6	220.7	233.7	14.7	21.4	40.0	83.5	240.8	281.3
Vessel	Bil. dol.	13.1	18.9	24.8	83.4	120.9	125.9	11.1	14.9	24.8	83.5	185.1	177.6
Air	Bil. dol.	(NA)	2.3	6.1	15.2	45.1	47.2	(NA)	1.3	3.4	8.9	28.0	50.0
Shipping weight:													
Vessel	Bil. lb.	248.5	343.5	480.5	538.5	801.8	815.0	388.1	511.5	598.4	855.3	976.8	832.5
Air	Bil. lb.	(NA)	.5	.9	1.4	2.3	2.3	(NA)	.2	.6	1.1	1.3	1.6

¹Includes types other than vessel and air.Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990, monthly.

NO. 1113. WATERBORNE COMMERCE—CARGO TONNAGE: 1950 TO 1980

[In millions of short tons. Includes Puerto Rico and outlying areas. Import and export figures differ slightly from those shown in tables 1119 and 1120 due to minor differences in basic concepts. See source for details. See also *Historical Statistics, Colonial Times to 1970*, series Q 530-641]

CLASS	1950	1955	1960	1965	1970	1975	1977	1978	1979	1980
Net total	821	1,016	1,108	1,273	1,532	1,886	1,886	2,021	2,074	1,398
Domestic commerce ¹	651	746	781	839	981	946	978	1,075	1,080	1,877
Coastwise, between ports	183	196	209	202	238	232	246	305	305	330
Great Lakes, between ports	170	185	155	154	167	129	108	143	144	115
Intra—										
Seaports, Great Lakes ports, and inland waterways ports	107	113	104	103	81	78	63	90	98	94
Ports and river ports ²	182	252	292	371	474	507	532	536	539	538
Foreign commerce	168	271	326	444	551	748	936	946	993	822
Imports, through seaports	98	144	195	248	313	455	625	616	808	802
Imports, Great Lakes ports	6	9	13	25	26	21	33	27	25	18
Exports, through seaports	44	95	105	142	208	237	241	259	312	359
Exports, Great Lakes ports	24	23	23	32	36	35	36	44	49	45

¹Includes traffic among ports of outlying areas. ²Represents traffic mainly utilizing inland waterways.Source: U.S. Corps of Engineers, *Waterborne Commerce of the United States*, annual.

NO. 1114. FREIGHT CARRIED ON INLAND WATERWAYS, BY SYSTEM: 1950 TO 1980

[In billions of ton-miles. Excludes Alaska and Hawaii, except as noted. Includes waterways, canals, and connecting channels]

SYSTEM	1950	1955	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
Total	163.3	216.5	220.3	262.4	318.5	364.9	342.2	372.9	388.3	408.5	424.6	406.9
Atlantic coast waterways	8.5	27.0	28.8	27.8	28.8	35.4	31.8	32.1	30.4	30.5	31.9	30.4
Gulf coast waterways	1.2	13.9	16.9	21.8	28.6	33.5	30.8	34.3	37.8	37.1	38.1	36.6
Pacific coast waterways ¹	1.7	4.7	6.0	6.8	8.4	10.3	9.7	11.3	12.8	13.6	14.1	14.9
Mississippi River system ²	33.6	52.0	69.3	98.5	138.5	188.3	170.7	189.5	196.9	209.3	218.8	228.9
Great Lakes System ³	120.3	118.9	99.5	108.6	114.5	107.5	99.2	105.6	90.7	118.9	121.7	95.0

¹Beginning 1960, includes Alaskan waterways. ²Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Ohio Rivers. ³Does not include traffic between foreign ports.Source: U.S. Corps of Engineers, *Waterborne Commerce of the United States*, annual.

NO. 1115. FEDERAL EXPENDITURES FOR CIVIL FUNCTIONS OF THE CORPS OF ENGINEERS, UNITED STATES ARMY: 1950 TO 1981

[In millions of dollars. Through 1976, for years ending June 30; beginning 1977, years ending Sept. 30. Includes Puerto Rico and other U.S. outlying areas. Represents funds expended for maintenance and improvement of rivers and harbors, flood control, etc. See also *Historical Statistics, Colonial Times to 1970*, series Q 558]

YEAR	Total	Rivers and harbors	YEAR	Total	Rivers and harbors	YEAR	Total	Rivers and harbors
1950	635	180	1972	1,536	1,814	1977	2,580	2,244
1955	512	456	1973	1,737	1,814	1978	2,805	2,479
1960	886	801	1974	1,898	1,899	1979	3,259	3,130
1965	1,211	1,083	1975	2,188	2,121	1980	3,527	3,408
1970	1,186	1,051	1976	2,268	2,060	1981	3,650	3,471

Source: U.S. Corps of Engineers, *Performance Measurement Systems*, annual.

NO. 1116. FREIGHT CARRIED ON MISSISSIPPI RIVER SYSTEM: 1950 TO 1980

(Net traffic. Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Ohio Rivers)

ITEM	Unit	1950	1955	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
Total	Mil. sh. tons	138	194	234	302	391	443	453	498	537	553	582	594
Inland	Mil. sh. tons	115	164	188	238	297	330	330	346	352	355	371	385
Coastwise	Mil. sh. tons	14	16	22	26	44	28	30	26	30	32	33	42
Foreign:													
Imports	Mil. sh. tons	4	6	11	13	17	37	46	67	96	99	106	91
Exports	Mil. sh. tons	5	6	13	23	34	47	48	60	60	67	73	88
Total	Bil. ton-miles	33.6	52.0	68.3	96.5	136.5	169.3	170.7	189.5	196.6	206.3	218.8	228.8
Inland	Bil. ton-miles	30.3	47.4	62.4	87.4	125.9	150.9	151.3	164.8	168.9	176.3	184.4	193.5
Coastwise	Bil. ton-miles	2.1	2.5	3.2	3.8	4.9	4.2	4.5	4.1	4.6	5.4	5.7	7.4
Foreign:													
Imports	Bil. ton-miles	.6	1.0	1.8	2.3	2.8	6.5	8.0	11.7	16.2	16.8	17.6	15.1
Exports	Bil. ton-miles	.6	1.1	1.9	3.3	4.9	6.6	6.9	8.8	8.8	10.1	11.1	13.0

¹ Total reflects adjustment not available by type of traffic.Source: U.S. Corps of Engineers, *Waterborne Commerce of the United States*, annual.

NO. 1117. U.S. FREIGHT CARRIED ON GREAT LAKES SYSTEM: 1950 TO 1980

(In billions of ton-miles)

ITEM	1950	1955	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
Total	111.7	118.8	99.5	108.6	114.5	125.8	107.5	99.2	105.6	80.7	118.9	121.7	96.0
Domestic	100.1	104.9	80.6	76.7	80.1	84.5	79.7	69.2	71.3	53.0	76.6	78.5	62.3
Lakewise	99.6	104.1	79.7	75.9	79.4	83.8	78.9	68.5	70.7	52.4	75.3	78.0	61.7
Internal	.3	.6	7	7	6	6	.6	.6	.5	.4	.4	.4	.5
Local ¹	.2	.2	.2	1	1	.2	1	1	1	1	1	1	1
Foreign	11.6	13.9	18.9	32.0	34.3	41.4	27.8	29.9	34.3	37.7	42.1	43.1	33.7
Canadian	11.4	13.4	13.8	23.5	23.8	28.2	19.4	20.7	23.7	23.1	23.1	26.9	23.6
Overseas	.2	.5	5.1	9.4	10.5	15.2	8.4	9.3	10.7	14.7	19.0	16.2	10.1

¹ Includes coastwise traffic.Source: U.S. Corps of Engineers, *Waterborne Commerce of the United States*, annual.

NO. 1118. DOMESTIC AND FOREIGN WATERBORNE COMMERCE, BY TYPE OF COMMODITY: 1970 TO 1980

(In millions of short tons. Domestic trade includes all commercial movements between U.S. ports and on inland rivers, canals, and connecting channels of U.S., Puerto Rico, and Virgin Islands. See also headnote, table 1113)

COMMODITY	1970		1975		1979		1980			
	Total	Do- mestic	Total	Do- mestic	Total	Do- mestic	Total	Do- mestic	Foreign	
									Imports	Exports
Net total	1,531.7	966.7	1,866.0	946.3	2,073.8	1,060.3	1,966.8	1,077.5	517.5	483.9
Petroleum products ¹	394.7	287.3	407.6	328.5	452.9	348.6	423.2	339.2	67.4	16.6
Gasoline	89.3	86.7	95.7	82.2	91.0	83.5	87.3	81.0	6.1	.3
Distillate fuel oil	78.9	76.9	93.4	87.0	84.4	79.5	74.6	72.1	2.3	1
Residual fuel oil	170.5	78.8	172.1	111.5	192.2	136.7	166.0	141.3	45.6	11
Crude petroleum	210.5	116.3	333.6	77.9	526.0	148.9	480.2	174.2	306.0	-
Coal and lignite	225.4	154.1	218.0	162.8	227.4	180.5	256.4	184.1	.9	91.3
Nonmetallic minerals ^{1,2}	166.6	132.6	159.2	123.3	175.9	125.8	157.1	111.6	22.1	23.4
Sand and gravel ²	78.4	73.9	72.4	67.9	74.1	69.9	85.1	80.8	3.1	1.2
Limestone	42.0	34.1	37.8	29.1	40.5	28.8	34.2	23.9	7.6	2.6
Phosphate rock	16.8	5.8	20.1	9.4	23.7	8.3	23.7	9.5	.6	13.6
Iron and concentrates	129.3	75.2	121.4	89.3	125.2	83.3	96.4	64.9	27.2	6.3
Farm products ¹	90.4	28.5	144.3	43.1	196.7	65.0	216.8	63.4	4.9	148.5
Corn	27.2	11.7	56.8	20.8	93.4	28.4	96.6	30.8	-	67.8
Wheat	25.0	5.8	44.4	10.4	48.0	11.6	53.4	14.3	-	39.1
Soybeans	21.2	8.3	23.2	9.4	36.1	13.3	39.6	16.1	-	23.5
Chemicals and allied products	62.0	39.7	66.5	40.0	90.8	50.9	111.8	49.4	9.9	32.6
Food and kindred products	35.0	11.0	35.5	13.3	50.5	17.5	54.8	20.4	10.5	23.9
Lumber and wood products ⁴	49.9	27.3	48.2	24.7	56.3	23.1	52.0	22.7	4.1	25.2
Primary metal products	42.4	10.8	38.1	9.3	31.3	10.5	28.9	9.0	15.5	4.4
Waste and scrap	25.9	16.0	28.0	18.8	29.1	17.0	31.1	18.6	.4	11.9
Other	89.7	51.9	93.5	45.5	106.7	40.6	106.1	111.8	46.6	19.6

- Represents zero.

¹ Includes categories not shown separately.² Excludes fuels.³ Includes crushed rock.⁴ Excludes furniture.Source: U.S. Corps of Engineers, *Waterborne Commerce of the United States*, annual.

NO. 1119. WATERBORNE IMPORTS AND EXPORTS—CARGO TONNAGE, BY FLAG OF CARRIER VESSEL: 1960 TO 1981

[In millions of short tons, except percent. Excludes commodities classified for security reasons as "Special Category" (exports only) and exports by Dept. of Defense (grant-aid shipments), and merchandise shipped in transit through the U.S. See Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Q 524-529]

ITEM	DRY CARGO							TANKER CARGO						
	1960	1965	1970	1975	1979	1980	1981	1960	1965	1970	1975	1979	1980	1981
Total trade	202	274	358	387	482	521	510	120	153	181	311	473	403	402
Percent by U.S. flag	15.2	9.3	8.4	5.5	4.7	4.8	4.9	7.5	5.9	4.2	5.2	4.0	2.5	4.0
Imports, total	95	123	136	137	159	144	148	104	132	161	291	438	383	342
U.S. flag	14	10	10	10	10	10	11	6	5	6	13	18	9	15
Foreign flag	81	113	126	127	149	134	137	98	127	155	278	420	374	327
Exports, total	108	151	220	250	323	362	348	16	21	20	21	35	39	58
U.S. flag	17	15	13	11	13	14	14	3	4	2	3	1	1	1
Foreign flag	91	135	207	239	310	348	334	13	17	18	18	34	38	57

Source: U.S. Bureau of the Census, through 1965, *Foreign Commerce and Navigation of the United States*; thereafter, *U.S. Waterborne Exports and General Imports*, FT 965, annual; and unpublished data.

NO. 1120. WATERBORNE IMPORTS AND EXPORTS—CARGO TONNAGE AND VALUE, BY COASTAL DISTRICT: 1960 TO 1981

[Includes commodities classified for security reasons as "Special Category" (exports only) and exports by Dept. of Defense (grant-aid shipments), and merchandise shipped in transit through the U.S. See Appendix III]

DISTRICT	CARGO TONNAGE (mil. sh. tons)							VALUE (bil. dol.)						
	1960	1965	1970	1975	1979	1980	1981	1960	1965	1970	1975	1979	1980	1981
Imports:														
Atlantic	135	164	219	232	220	183	195	7.8	9.7	15.0	34.7	62.1	71.5	78.7
Gulf	87	37	47	134	298	243	214	1.3	1.9	2.9	14.3	43.8	58.4	56.9
Pacific	23	27	31	64	82	56	48	1.6	2.4	5.5	15.2	36.6	45.0	51.3
Great Lakes	13	25	26	22	25	16	20	.5	1.0	1.3	1.7	2.8	1.9	2.5
Exports:														
Atlantic	45	55	79	80	91	117	116	7.0	8.4	11.9	28.7	42.1	51.0	53.4
Gulf	37	59	78	106	149	183	171	3.7	5.0	6.9	21.4	33.4	41.5	43.9
Pacific	19	26	48	49	70	78	79	1.8	2.4	4.1	10.0	19.5	25.2	27.1
Great Lakes	23	32	36	35	49	45	43	7	1.2	1.4	2.8	4.6	4.6	4.1

Source: U.S. Bureau of the Census, through 1965, *Foreign Commerce and Navigation of the United States*; thereafter, *U.S. Waterborne Exports and General Imports*, FT 965, annual.

NO. 1121. CONTAINERIZED CARGO—TONNAGE AND TWENTY-FOOT EQUIVALENT UNITS (TEU's), BY SELECTED U.S. PORTS: 1979 AND 1980

[Based on reports filed for any vessel of 1,000 or more gross registered tonnage carrying 25 or more 8'x20' foot TEU cargo container/trailer units]

PORT	LONG TONS (1,000)						TEU's (1,000)					
	Total		Import		Export		Total		Import		Export	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
Total ¹	31,577	34,482	13,831	12,862	17,746	21,630	3,330	3,686	1,531	1,505	1,798	2,181
New York	8,982	7,021	4,152	3,434	2,810	3,587	738	750	442	381	294	389
Los Angeles	3,859	4,053	1,568	1,484	2,091	2,569	384	411	185	189	189	256
Oakland	2,654	3,084	688	838	1,986	2,448	287	342	78	83	209	259
Seattle	2,241	2,873	981	974	1,280	1,889	260	329	141	153	119	176
Long Beach	1,705	2,416	929	1,142	776	1,274	186	295	115	171	71	124
Baltimore	2,489	2,829	990	813	1,479	1,818	235	262	92	81	143	181
Norfolk	1,802	1,824	637	428	1,156	1,396	199	201	72	51	127	150
Houston	1,389	1,455	513	608	878	849	167	136	58	60	99	78
Miami	976	1,288	376	398	800	891	94	132	34	38	60	94
Charleston	1,272	1,205	337	308	935	896	121	118	32	29	89	89
New Orleans	1,163	1,001	393	386	770	605	127	93	40	35	87	58
Savannah	556	826	208	274	348	552	63	92	26	34	37	58
San Francisco	945	908	285	226	680	680	95	90	33	24	62	66
Philadelphia	793	780	420	444	373	318	76	69	38	36	38	33
San Juan	347	345	143	141	204	204	41	46	17	19	24	27
Boston	363	357	227	157	138	200	40	40	25	18	15	22

¹ Includes other ports, not shown separately.

Source: U.S. Maritime Administration, *Containerized Cargo Statistics*, annual.

No. 1122. VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY FLAG OF CARRIER VESSEL: 1961 TO 1981

(In millions of net tons, except as indicated. Includes Puerto Rico and Virgin Islands. Seaports comprise all ports except Great Lakes ports. See also *Historical Statistics, Colonial Times to 1970*, series Q 607-617)

YEARLY AVERAGE OR YEAR	ALL PORTS					SEAPORTS					
	Number of vessels	Tonnage, all vessels				Tonnage, all vessels			Tonnage, with cargo		
		Total	U.S.	Per-cent U.S.	Foreign	Total	U.S.	Foreign	Total	U.S.	Foreign
Entered:											
1961-1965	49,670	166	33	17.6	155	166	30	136	126	19	109
1966-1970	53,456	232	29	12.5	203	208	27	180	157	16	138
1971-1975	53,760	319	30	9.5	290	292	28	264	220	24	196
1976-1980	53,700	458	40	8.7	418	425	38	387	316	30	286
1970	53,293	254	26	10.3	228	227	24	202	171	19	152
1975	51,443	355	32	9.9	323	328	30	297	246	26	215
1979	53,288	499	45	9.0	454	462	42	420	343	33	310
1980	53,645	492	52	10.6	440	460	50	410	310	34	276
1981	52,768	470	56	11.9	414	439	54	385	294	39	255
Cleared:											
1961-1965	48,098	189	34	17.6	155	168	30	137	98	20	78
1966-1970	52,415	222	30	12.8	202	208	27	179	122	23	99
1971-1975	53,039	324	31	9.9	293	296	29	267	149	21	127
1976-1980	52,931	453	41	9.1	412	420	38	382	203	26	177
1970	52,195	259	27	10.8	226	226	25	201	132	20	112
1975	51,017	363	34	10.5	329	334	31	303	186	23	144
1979	52,642	497	45	9.7	449	456	44	415	223	26	195
1980	52,826	487	54	11.1	433	456	51	405	246	33	213
1981	52,637	477	56	11.7	420	446	54	392	251	33	218

Source: U.S. Bureau of the Census, through 1965, *Foreign Commerce and Navigation of the United States*; thereafter, *Vessel Entrances and Clearances*, FT 975, annual.

No. 1123. VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY CUSTOMS DISTRICTS: 1970 TO 1981

(In millions of net tons. Excludes domestic trade. Virgin Islands and Puerto Rico included in South Atlantic Coast, Hawaii in South Pacific Coast, Alaska in North Pacific Coast)

CUSTOMS DISTRICT	VESSELS ENTERED						VESSELS CLEARED					
	1970	1975	1978	1979	1980	1981	1970	1975	1978	1979	1980	1981
North Atlantic Coast	102.1	114.2	112.8	118.2	118.6	113.4	99.9	116.6	112.4	119.9	115.2	111.4
With cargo	85.4	92.3	97.3	95.2	82.1	83.0	43.7	50.8	41.6	50.7	57.8	54.5
South Atlantic Coast	36.1	48.0	62.1	66.6	65.3	65.0	31.3	48.0	58.3	62.2	60.1	61.4
With cargo	27.1	33.8	41.9	45.6	41.9	40.1	11.9	14.3	19.2	21.6	22.4	24.8
Gulf Coast	36.1	89.1	161.5	182.1	172.7	162.3	42.8	96.1	155.1	179.0	175.0	169.2
With cargo	23.0	60.8	126.5	141.7	122.8	113.3	36.8	54.2	71.2	79.3	65.0	68.9
South Pacific Coast	27.5	38.4	44.0	47.6	53.3	53.4	27.7	41.2	43.6	44.7	45.1	48.9
With cargo	21.8	32.4	36.9	36.5	36.0	34.2	20.9	24.0	27.7	30.2	31.7	36.7
North Pacific Coast	24.9	36.6	41.9	47.8	50.6	44.8	24.3	33.6	42.8	53.6	60.3	54.4
With cargo	13.6	21.1	23.6	24.4	26.6	23.4	18.0	24.5	30.7	42.1	49.0	44.3
Great Lakes	27.5	28.8	34.3	36.3	31.1	31.0	27.2	29.4	34.5	36.9	31.5	31.4
With cargo	15.2	14.0	17.6	17.1	11.3	13.5	20.2	21.2	24.5	26.8	23.7	23.4

Source: U.S. Bureau of the Census, 1965, *Foreign Commerce and Navigation of the United States*; thereafter, *Vessel Entrances and Clearances*, FT 975, annual.

No. 1124. DOMESTIC MERCHANT VESSELS COMPLETED BY U.S. SHIPYARDS: 1960 TO 1981

(Vessels of 1,000 gross tons and over. See also *Historical Statistics, Colonial Times to 1970*, series Q 438-448)

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Merchant vessels	Number	26	13	13	20	15	16	17	14	15	10	11
Gross tons	1,000	410	173	342	697	452	616	684	912	1,149	375	274
Cargo	Number	15	11	6	11	3	4	2	2	4	6	2
Gross tons	1,000	134	121	120	314	65	57	26	27	53	105	53
Deadweight tons	1,000	163	154	134	402	71	76	37	30	47	114	73
Tankers	Number	11	2	7	9	12	12	15	12	11	4	9
Gross tons	1,000	276	52	222	383	387	556	669	695	1,099	270	221
Deadweight tons	1,000	456	92	427	759	742	1,176	1,585	1,392	1,901	354	355

Source: 1960, American Bureau of Shipping, New York, N.Y., annually in *The Builder*; thereafter, U.S. Maritime Administration, *New Ship Construction*, annual.

NO. 1125. UNITED STATES FLAG MERCHANT VESSELS, STEAM AND MOTOR: 1970 TO 1981

[Deadweight tonnage in thousands. As of June 30 except, beginning 1978, as of Sept. 30. Covers oceangoing vessels of 1,000 gross tons and over engaged in foreign and domestic trade, and inactive vessels. Excludes special types such as tug, barge, cable ships, fishing trawlers, and vessels employed on Great Lakes. See also *Historical Statistics, Colonial Times to 1970*, series Q 487-502]

ITEM	CARGO ¹						TANKER					
	1970	1975	1978	1979	1980	1981	1970	1975	1978	1979	1980	1981
Number of vessels	1,479	812	552	556	553	550	301	279	288	306	310	313
Active:												
Foreign trade	354	228	204	204	195	184	32	39	62	72	32	32
Domestic trade ²	70	48	46	40	46	40	175	158	175	188	211	195
Coastwise	10	17	6	8	12	11	132	136	113	114	103	87
Noncontiguous	43	29	40	31	34	27	35	12	41	40	45	44
Special service	148	34	43	45	44	40	42	26	24	23	23	30
Inactive:												
Temporarily	41	38	47	36	31	39	22	31	16	22	■	32
Reserve fleet	888	263	212	241	237	238	30	27	12	20	20	15
Tons carried	15,445	8,175	7,807	7,844	7,872	7,918	7,835	8,433	13,448	16,153	16,107	16,558
Active:												
Foreign trade	4,699	3,901	3,829	3,886	3,826	3,530	1,076	2,303	4,655	6,223	2,793	1,611
Domestic trade ²	850	832	685	597	713	667	4,518	4,855	7,036	7,032	10,546	10,284
Coastwise	118	354	111	120	200	216	3,483	4,299	3,428	3,353	3,078	2,668
Noncontiguous	482	424	574	466	479	424	870	339	3,081	3,239	3,699	3,807
Special service	1,741	459	530	585	580	793	1,189	755	914	845	661	1,678
Inactive:												
Temporarily	472	541	733	498	451	555	691	1,173	677	852	1,808	2,748
Reserve fleet	7,884	2,442	2,030	2,297	2,322	2,374	361	347	164	301	301	239

¹Includes combination passenger and cargo vessels, not shown separately

²Includes intercoastal, not shown separately.

Source: U.S. Maritime Administration, *Employment Report of the United States Flag Merchant Fleet Ocean-going Vessels 1,000 Gross Tons and Over*, annual.

NO. 1126. SHIPBUILDING IN PRIVATE SHIPYARDS—SUMMARY: 1970 TO 1981

[Steel self-propelled vessels of 1,000 tons or over. See also *Historical Statistics, Colonial Times to 1970*, series Q 449-458]

TYPE OF VESSEL AND STATUS OF CONSTRUCTION	NUMBER						TONS (1,000)					
	1970	1975	1978	1979	1980	1981	1970	1975	1978	1979	1980	1981
Commercial (gross tons):												
Under construction ¹	49	98	60	70	69	49	1,388	5,064	3,487	2,635	1,816	937
Contracted for	13	14	30	21	7	9	580	589	394	487	116	154
Launched	11	18	22	20	23	21	322	759	1,170	720	442	334
Delivered	13	19	18	21	23	22	370	469	1,027	1,298	788	347
Cancelled	(NA)	12	1	1	4	—	(NA)	545	189	8	207	—
Naval (light displacement tons):												
Under construction ¹	109	63	91	102	99	91	621	663	652	677	630	628
Contracted for	6	16	25	13	11	26	132	106	119	61	101	97
Launched	23	8	19	25	22	16	117	110	127	142	183	73
Delivered	32	3	14	18	19	28	166	79	95	108	102	162

— Represents zero. NA Not available. ¹As of Jan. 1

Source: Shipbuilders Council of America, Washington, D.C., *Annual Report*, and unpublished data.

NO. 1127. VESSELS REPAIRED OR CONVERTED IN PRIVATE SHIPYARDS: 1960 TO 1981

[Covers both shipbuilding and ship repair yards. See also *Historical Statistics, Colonial Times to 1970*, series Q 467-472]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
All vessels, Volume	Mil. dol	396	718	790	1,248	1,242	1,359	1,507	1,719	1,987	2,143	2,374
Commercial ships ¹	Mil. dol	274	363	431	713	688	715	789	808	998	1,048	1,148
Naval ships	Mil. dol	122	335	359	533	554	644	718	911	989	1,095	1,226
Over 1,000 gross tons:												
Yards reporting	Number	93	93	75	65	72	70	70	65	(NA)	(NA)	(NA)
Commercial vessels	1,000	12.8	12.7	12.4	8.5	7.9	8.0	8.2	8.2	(NA)	(NA)	(NA)

NA Not available. ¹Includes Military Sealift Command work.

Source: Shipbuilders Council of America, Washington, D.C., *Annual Report*, and unpublished data.

NO. 1128. EMPLOYEES IN GOVERNMENT AND PRIVATE SHIPYARDS: 1960 TO 1981

(In thousands. Annual average employment in establishments primarily engaged in building and repairing all types of ships, barges, canal boats, and lighters of 5 gross tons and over, whether propelled by sail or motor power or towed by other craft)

YEAR	Total	Private yards ¹	Navy yards	YEAR	Total	Private yards ¹	Navy yards	YEAR	Total	Private yards ¹	Navy yards
1960.....	206	112	96	1974.....	225	161	64	1978.....	243	172	71
1965.....	213	118	95	1975.....	217	154	63	1979.....	244	173	71
1970.....	216	134	83	1976.....	233	168	65	1980.....	251	178	73
1972.....	216	146	70	1977.....	242	174	68	1981.....	262	185	77
1973.....	214	149	65								

¹ Includes all full- and part-time employees.

Source: U.S. Bureau of Labor Statistics, unpublished data. (Current data for private yards published monthly in *Employment and Earnings*.)

NO. 1129. EMPLOYMENT ON U.S. FLAG MERCHANT VESSELS, 1960 TO 1981, AND BASIC MONTHLY (JANUARY) WAGE SCALE FOR ABLEBODIED SEAMEN, 1970 TO 1982

(Employment in thousands. See also *Historical Statistics, Colonial Times to 1970*, series Q 414-416)

YEAR	Employment ¹	YEAR	Employment ¹	YEAR	East coast wage rate ²	West coast wage rate ²	YEAR	East coast wage rate ²	West coast wage rate ²
1960.....	49.2	1977.....	20.9	1970.....	\$470	\$652	1978.....	\$804	\$1,172
1965.....	³ 39.1	1978.....	19.9	1974.....	583	856	1979.....	885	1,267
1970.....	37.8	1979.....	18.7	1975.....	612	900	1980.....	957	1,414
1975.....	20.5	1980.....	19.8	1976.....	688	1,001	1981.....	1,120	1,535
1976.....	21.1	1981.....	18.3	1977.....	737	1,072	1982.....	1,204	1,686

¹ As of June 30, except beginning 1978, as of Sept. 30. Estimates of personnel employed on merchant ships, 1,000 gross tons and over. Excludes vessels on inland waterways, Great Lakes, and those owned by, or operated for, U.S. Army and Navy, and special types such as cable ships, tugs, etc. ² Decrease due to seafaring strike. ³ Basic monthly wage, over and above subsistence (board and room); excludes overtime and fringe pay benefits. West coast incorporates extra pay for Saturdays and Sundays at sea into base wages but east coast does not.

Source: U.S. Maritime Administration, 1960-1965, *Seafaring Wage Rates*; thereafter, unpublished data.

NO. 1130. WORLDWIDE TANKER CASUALTIES: 1973 TO 1982

(Covers tankers, ore/oil carriers, and bulk/oil vessels of 5,000 deadweight tons and over; excludes liquid gas carriers. Based on data from "Lloyd's List" published by Lloyd's of London. "Casualties" include weather damage, strandings, collisions and other contact, fires and explosions, machinery damage, and other mishaps)

ITEM	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Number of incidents. ² Partial and total.....	1,273	1,168	906	819	834	685	772	(NA)	(NA)	(NA)
Total.....	12	14	22	20	20	17	28	15	21	7
Personnel loss: Deaths.....	70	94	90	226	113	148	306	132	73	38
Injuries.....	158	62	14	87	102	109	135	(NA)	(NA)	(NA)
Oil spills: Number.....	36	48	45	26	48	35	65	32	33	-
Amount (1,000 tons).....	84.5	67.1	188.0	204.2	213.1	260.5	723.5	135.5	45.3	-

- Represents zero. NA Not available. ¹ Jan.-Mar. ² Includes actual and constructive (cost to repair damage exceeds value of vessel) total losses.

Source: Tanker Advisory Center, Inc., New York, N.Y., "Worldwide Tanker Casualty Returns," quarterly.

NO. 1131. MERCHANT VESSELS—WORLD AND UNITED STATES: 1960 TO 1981

(Vessels of 100 gross tons and over. Excludes sailing ships, nonpropelled craft, and all ships built of wood. See also *Historical Statistics, Colonial Times to 1970*, series Q 473-480)

YEAR	WORLD: COMPLETED		WORLD: OWNED		U.S.: COMPLETED		U.S.: OWNED	
	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)
1960.....	2,005	6,362	36,311	129,770	■	379	4,059	■
1965.....	2,202	11,763	41,985	160,392	116	218	3,416	21,527
1970.....	2,814	20,980	52,444	227,480	156	375	2,983	16,469
1975.....	2,730	34,203	63,724	342,162	127	476	4,346	14,587
1976.....	2,618	18,194	69,020	406,002	151	1,033	4,748	16,166
1979.....	2,466	14,289	71,129	413,021	182	1,352	5,086	17,542
1980.....	2,412	13,101	73,862	418,911	205	555	5,579	16,464
1981.....	2,299	16,932	73,864	420,835	223	380	5,869	16,908

Source: Lloyd's Register of Shipping, London, England, *Statistical Tables*, annual; and *Annual Summary of Merchant Ships Completed in the World*.

NO. 1132. MERCHANT VESSELS—SHIPS AND TONNAGE LOST WORLDWIDE, BY TYPE OF SHIP: 1977 TO 1980

TYPE OF SHIP	SHIPS LOST					GROSS TONNAGE LOST (1,000)				
	1977	1978	1979	1980		1977	1978	1979	1980	
				Total	Percent of total				Total	Percent of total
Total ¹	339	473	465	387	100.0	1,073	1,711	2,219	1,804	100.0
Tankers.....	19	28	29	24	6.2	373	703	939	707	39.2
Ore/bulk carriers ²	9	13	17	21	5.4	82	186	374	458	25.4
General cargo.....	194	266	273	211	54.5	412	756	785	478	26.5
Passenger ³	2	2	5	9	2.3	10	3	48	112	6.2
Fishing.....	82	99	110	98	24.8	28	27	35	30	1.7

¹ Includes types not shown separately. ² Includes ore/bulk/oil carriers. ³ Includes cargo-passenger ships.
 Source: Lloyd's Register of Shipping, London, England, *Casualty Return*, annual.

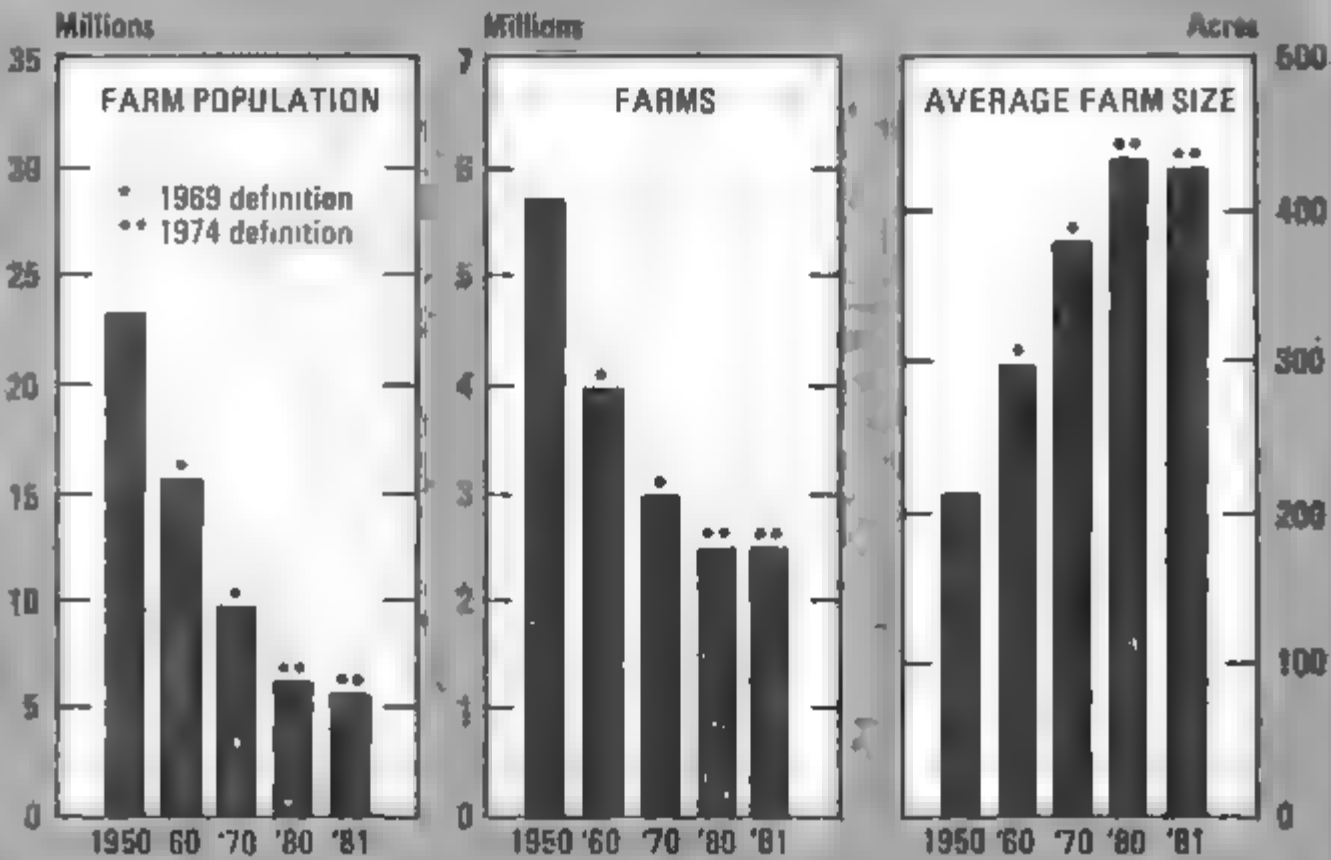
NO. 1133. MERCHANT FLEETS OF THE WORLD: 1970 TO 1980

[Vessels of 1,000 gross tons and over. 1970-1979 as of Dec. 31, 1980 as of Jan. 1 of the following year. Specified countries have 100 or more ships]

YEAR AND COUNTRY OF REGISTRY, 1980	TOTAL		PASSENGER/ CARGO COMB.		FREIGHTERS		BULK CARRIERS ¹		TANKERS	
	Num- ber	Avg. age (yr.)	Num- ber	Avg. age (yr.)	Num- ber	Avg. age (yr.)	Num- ber	Avg. age (yr.)	Num- ber	Avg. age (yr.)
1970, world total	19,980	13	980	21	11,000	13	2,964	8	4,232	11
United States.....	1,579	22	171	25	1,076	23	38	25	294	19
Foreign.....	18,401	12	724	20	10,823	13	2,916	8	3,938	10
1975, world total	22,872	12	714	21	12,575	13	4,272	9	5,311	11
United States.....	857	21	60	29	511	21	19	25	267	19
Foreign.....	22,015	12	654	21	12,064	13	4,253	9	5,044	11
1978, world total	24,797	12	495	23	14,328	13	4,714	9	5,280	12
United States.....	865	22	68	33	489	23	21	22	307	19
Foreign.....	23,932	12	427	22	13,859	13	4,693	9	4,953	11
1980, world total	24,867	13	480	24	14,242	14	4,799	10	5,360	12
United States.....	864	23	65	34	471	23	20	22	308	20
Privately-owned.....	578	17	7	22	263	16	20	22	288	18
Government-owned.....	286	33	58	35	208	16	-	(x)	20	37
Foreign.....	24,003	12	403	22	13,771	13	4,778	10	5,051	11
Argentina.....	203	19	1	29	115	16	25	16	62	23
Brazil.....	313	13	3	34	197	15	49	5	64	12
British Colonies.....	202	12	2	18	124	13	62	10	14	17
Bulgaria.....	106	12	2	11	50	13	39	9	17	12
Canada.....	102	19	7	24	35	19	13	18	47	19
China: Mainland.....	695	15	18	14	495	16	95	13	87	15
Taiwan.....	170	12	3	14	115	12	39	10	13	12
Cyprus.....	395	21	7	32	344	21	25	18	19	15
Denmark.....	275	6	6	20	167	5	33	6	69	8
Finland.....	175	11	8	15	91	11	40	7	36	12
France.....	345	9	2	18	178	8	48	7	117	10
Germany Dem. Rep.....	158	11	2	28	129	10	19	16	8	13
Germany, Fed. Rep. of.....	473	7	3	15	359	7	47	7	64	7
Greece.....	2,928	16	55	30	1,515	18	943	12	415	17
India.....	370	12	7	15	230	14	102	10	31	8
Indonesia.....	254	18	12	22	198	19	10	8	36	15
Italy.....	622	16	19	25	229	16	144	14	230	16
Japan.....	1,762	7	8	11	717	8	511	7	526	6
Korea, Rep. of.....	385	11	-	(x)	232	12	103	9	50	13
Liberia.....	2,271	9	7	25	522	9	853	9	889	10
Netherlands.....	444	8	3	17	350	7	28	8	63	13
Norway.....	616	7	23	16	194	7	151	7	248	7
Panama.....	2,437	15	36	27	1,701	16	406	11	294	14
Philippines.....	235	16	14	18	153	16	29	10	39	19
Poland.....	318	11	4	16	220	12	81	8	13	5
Romania.....	191	7	1	42	139	7	44	6	7	10
Singapore.....	622	14	8	23	431	15	85	10	98	11
Soviet Union.....	2,530	13	55	21	1,847	13	161	9	467	14
Spain.....	509	9	6	25	315	9	71	7	117	11
Sweden.....	232	7	2	9	133	7	30	7	67	8
Turkey.....	178	13	11	32	116	12	22	10	29	11
United Kingdom.....	1,056	9	12	14	450	8	216	8	378	9
Yugoslavia.....	258	15	8	16	184	16	52	9	14	15
All others.....	2,171	13	48	23	1,498	14	202	9	423	12

- Represents zero. X Not applicable. ¹ Includes bulk/oil, ore/oil, and ore/bulk/oil carriers.
 Source: U.S. Maritime Administration, *A Statistical Analysis of the World's Merchant Fleets*, annual.

Figure 24.1
Changes in Farming: 1950 to 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1134 and 1140.

Figure 24.2
Farm Income and Expenses: 1970 to 1981

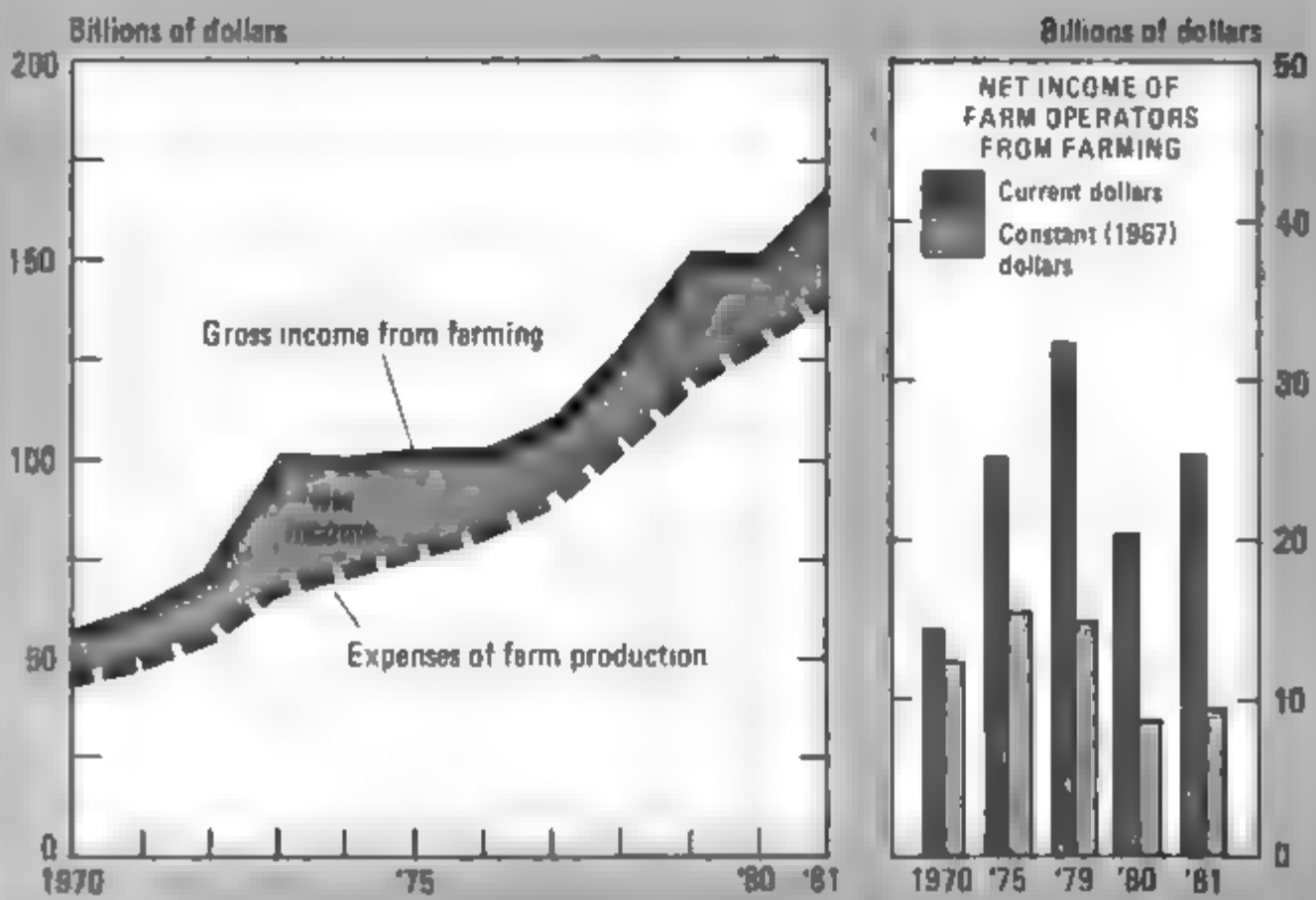
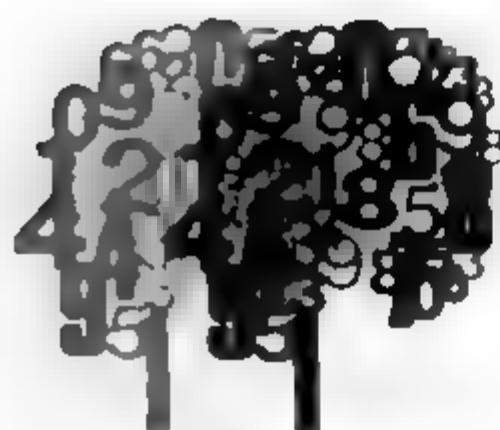


Chart prepared by U.S. Bureau of the Census. For data, see table 1166.



Section 24

Agriculture

This section presents statistics on farms and farm population; land use and irrigation; farm cooperatives; farm income, expenditures, and debt; farm output, productivity, and marketing; foreign trade in agricultural products; specific crops; and livestock, poultry, and their products.

The principal sources of these data are the reports issued by the U.S. Bureau of the Census and by the Statistical Reporting Service (SRS) and the Economic Research Service (ERS) of the U.S. Department of Agriculture. The Bureau of the Census has taken a census of agriculture every 10 years from 1840 to 1920 and roughly every 5 years from 1925 to 1978. The 1978 Census of Agriculture is the most recent census for which reports are presently available. The Department of Agriculture publishes annually *Agricultural Statistics*, a general reference book on agricultural production, supplies, consumption, facilities, costs, and returns. The Economic Research Service publishes a series of annual reports, *Economic Indicators of the Farm Sector*. This series comprises five reports: *Income and Balance Sheet Statistics*, *State Income and Balance Sheet Statistics*, *Production and Efficiency Statistics*, *Costs of Production*, and *Farm Sector Review*. Situation reports issued periodically by the ERS present current data on a variety of crops. Sources of current data on agricultural exports and imports include *Foreign Agricultural Trade of the United States*, published by the ERS, and the reports of the Bureau of the Census, particularly *U.S. General Imports, Schedule A, Commodity by Country*, and *U.S. Exports, Schedule B, Commodity by Country*. In addition, the SRS provides agricultural employment estimates and wage rates in the periodic *The Hired Farm Working Force*. Also reported are days employed, earnings from farm and nonfarm work, personal characteristics of hired farm workers, and other pertinent information.

Agricultural statistics have been issued by the Department of Agriculture for over 100 years. The 44 field offices of the SRS collect data on crops, livestock products, agricultural prices, farm employment, and other related subjects mainly through sample surveys. Information is obtained on some 110 crops and 50 livestock items as well as scores of items pertaining to agricultural production and marketing. State estimates and supporting information are sent to the Crop Reporting Board of SRS which reviews the estimates and issues reports containing State and national data. Among these reports are two annual summaries, *Crop Production* and *Crop Values*.

Farms and farmland.—Over time, the Bureau of the Census has used varying definitions of a farm. Data shown from the census of agriculture reflect the changes in definition since figures are presented for "farms" as defined during the years indicated. For the Census of Agriculture for 1974 and 1978, a farm was defined to include all land on which agricultural operations were conducted under the day-to-day control of an individual management and from which \$1,000 or more of agricultural products were, or potentially could be, sold during the census year. Control may have been exercised through ownership or management, or through a lease, rental, or cropping arrangement. Volume I census reports for 1974 and 1978 provide a detailed explanation of the new definition along with measures of the effect of the change for each State and county. The effect of the change in definition must be considered when comparing coverage estimates for all farms in the 1974 and 1978 censuses with those in previous censuses. In the 1980 census, as well as the 1989 and 1994 censuses, places of less than 10 acres were counted as farms if estimated sales of agricultural products for the year amounted to at least \$250, and places of 10 or more acres if such sales amounted to at least \$50. In the 1980 and 1984 censuses, places of 3 or more acres were counted as farms if the annual value of agricultural products, exclusive of homegarden products, amounted to \$150 or more; places of less than 3 acres were counted as farms only if the annual sales amounted to \$150 or more. For definitions used in earlier censuses, see *U.S. Census of Agriculture: 1974*, vol. II, Part I, General Information.

Unless otherwise stated in the specific tables of this section, the definition of a farm applicable to data originated by the Department of Agriculture is the one used by the Bureau of the Census for the agriculture census immediately preceding the year or years for which the data are shown.

Currently included as farms are such diverse enterprises as nurseries, greenhouses, sod farms, mushroom operations, cranberry bogs, feedlots, fish farms, and hatcheries; excluded are business enterprises exclusively engaged in forest production and in production of fish, oysters, fowl, etc., from the ocean, game preserves, parks, and the like, when not grown in captivity. In the case of landowners who had one or more tenants, or renters, the land operated by each was counted as a separate farm.

Farmland refers to all land under the control of a farm operator and considered as part of his farm, including land not actually under cultivation or not used for pasture or grazing. Rent-free land was included as part of the farm only if the operator had sole use of it. Land used for pasture or grazing on a per head basis that was neither owned nor leased by the farm operator is not included except for grazing lands controlled by grazing associations leased on a per acre basis.

State totals for 1978 are not directly comparable with totals for 1974 or earlier censuses because of changes in the procedures of collecting data. For details, see 1978 census reports. Coverage estimates for 1978 indicate about 3.4 percent of all farms were not included in census totals. Coverage evaluation studies for the 1974 census indicated that 10.7 percent of all farms were not included in the census. Farms missed in the census were usually small and accounted for less than 2 percent of the total value of agricultural products sold and less than 2 percent of the land in farms. The proportion of farms missed in the 1974 census was generally higher in States having a large proportion of small farms and urbanized areas having a sizable number of part-time farms. For more explanation about data comparability, see Appendixes A and C, *Census of Agriculture: 1978*, volume I reports.

Farm population.—Farm population consists of all persons living on farms in rural areas. Data prior to 1960 are based on self-identification by respondents as to whether they live on a farm, and are not based on any criterion for the definition of a farm. Except as noted, farm population data shown for 1960 to 1976 are based on the definition of a farm used for the 1969 Census of Agriculture. Farm population data for 1977 to 1981 are shown on the bases of both the 1969 and 1974 census farm definitions and are so indicated.

Irrigation.—Irrigated land is defined by the Bureau of the Census as the acreage in farms to which water is artificially applied during the census year. In addition to collecting information on irrigation from individual farms in the census of agriculture, the Bureau of the Census collects data on the operation of irrigation water supply organizations at 10-year intervals. In 1978, irrigation information was collected from both individual farms and irrigation organizations.

Farm income.—Cash income comprises cash receipts from farm marketings and Federal payments made directly to farmers for farm related activities. Farm marketings represent agricultural products sold by farmers multiplied by prices received per unit of production at the local market. Gross farm income includes cash income, value of farm products consumed in farm homes, rental value of farm homes, etc.

Information on prices received for farm products is generally obtained by the SRS Crop Reporting Board from surveys of firms (such as grain elevators, packers, and processors) purchasing agricultural commodities direct from producers. In some cases, the price information is obtained directly from the producers. Season average prices received by farmers are calculated by weighting monthly prices by monthly sales during the crop marketing season, beginning with the first month in which a particular crop harvest begins.

Crops.—Estimates of crop acreage and production by the SRS are based on current sample survey data obtained from individual reporters and objective yield counts which are supplemented by State assessors' enumerations of agricultural information, reports of carlot shipments, market records, personal field observations by field statisticians, and reports from other sources. Cotton acreage and production are based on sample survey data and on ginning information gathered by the Bureau of the Census.

Price supports.—Under law, farm incomes are supported through two basic Government-supported mechanisms available to producers of eligible commodities: (1) a *market price support* (loan rate) through which producers may place any portion of their production in approved storage and receive a loan at a specified rate. The farmer may repay the loan with interest and retain the commodity or, at the end of the loan period (currently nine months), forfeit the commodity as full payment of the loan; (2) a *farm income support* (target price) whose payments vary inversely with the market price of the specified commodity. "Deficiency payments" are made when market prices for a specified period are below the target prices. The payment rate is the difference between the target price and market price, or between the target price and loan rate, whichever is smaller.

Livestock.—Annual inventory numbers of livestock and estimates of livestock, dairy, and poultry production prepared by the Department of Agriculture are based on information from farmers and ranchers obtained by probability survey sampling methods. Volume II of *U.S. Census of Agriculture: 1974* gives a complete history of the enumeration of livestock and analyzes comparability from census to census. Comparability of livestock inventories over time is seriously affected by changes in date of enumeration.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to Census Bureau and Department of Agriculture data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 1134. FARM POPULATION AND EMPLOYMENT: 1930 TO 1981

[In thousands, except percent. Prior to 1959, excludes Alaska and 1980, Hawaii. Minus sign (—) denotes decrease. For definition of farm population, see text, p. 648. See also *Historical Statistics, Colonial Times to 1970*, series C 76-78 and K 1-3 and K 174]

YEAR	FARM POPULATION ¹		NET AVERAGE ANNUAL CHANGE ²		Farm employment ⁵	YEAR	FARM POPULATION ¹		NET AVERAGE ANNUAL CHANGE ²		Farm employment ⁵
	Total	Percent of total population ³	Births and deaths	Migration ⁴			Total	Percent of total population ²	Births and deaths	Migration ⁴	
1930.....	30,529	24.9	461	- 593	12,497	1969 DEFINITION—Con					
1935.....	32,161	25.3	384	- 58	12,733	1970.....	9,712	4.8	47	- 642	4,523
1940.....	30,547	23.2	386	- 708	10,979	1971.....	9,425	4.6	43	- 330	4,436
1945.....	24,420	17.5	377	- 1,602	10,000	1972.....	9,610	4.6	29	156	4,373
1950.....	23,048	15.3	403	- 677	9,926	1973.....	9,472	4.5	26	- 164	4,337
						1974.....	9,264	4.4	25	- 233	4,389
1955.....	19,078	11.6	321	- 1,115	8,381	1975.....	8,864	4.2	25	- 425	4,342
1956.....	18,712	11.2	261	- 627	7,852						
1957.....	17,656	10.4	239	- 1,295	7,600	1976.....	8,253	3.8	24	- 635	4,374
1958.....	17,126	9.9	220	- 746	7,503	1977.....	7,806	3.6	27	- 474	4,170
1959.....	16,592	9.4	203	- 740	7,342	1978.....	8,005	3.7	27	172	3,957
1969 DEFINITION						1979.....	7,553	3.4	(NA)	(NA)	3,774
1960.....	15,635	8.7	184	- 1,142	7,057	1980.....	7,241	3.3	(NA)	(NA)	3,705
1961.....	14,803	8.1	168	- 1,000	6,919	1981.....	6,942	3.1	(NA)	(NA)	*3,330
1962.....	14,313	7.7	156	- 646	6,700	1974 DEFINITION					
1963.....	13,367	7.1	140	- 1,066	6,518	1977.....	6,194	2.8	(NA)	(NA)	4,170
1964.....	12,954	6.8	121	- 533	6,110	1978.....	6,501	3.0	(NA)	(NA)	3,957
						1979.....	6,241	2.8	(NA)	(NA)	3,774
1965.....	12,363	6.4	112	- 703	5,610	1980.....	6,051	2.7	(NA)	(NA)	3,705
1966.....	11,595	5.9	90	- 858	5,214	1981.....	5,790	2.6	(NA)	(NA)	*3,330
1967.....	10,875	5.5	73	- 793	4,903						
1968.....	10,454	5.3	60	- 461	4,749						
1969.....	10,307	5.1	51	- 198	4,596						

NA Not available. ¹As of April 1 except, beginning 1960, April-centered annual averages. ²Includes Armed Forces abroad. ³Change from preceding year shown. For 1930, change from 1925. ⁴Beginning 1940, includes inductions and enlistments into Armed Forces, and persons returning from Armed Forces. For all years, includes persons who did not move but who were in and out of the farm population because agricultural operations began or ceased, respectively, on the place where they were living. ⁵Covers hired workers farm operators, and family members doing farm work without wages. See headnote and footnote 2, table 1188. ⁶See footnote 1, table 1188.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Farm Population, Estimates for 1910-70; Farm Population Estimates, annual; and Farm Labor, quarterly.*

No. 1135. FARM POPULATION, BY CHARACTERISTICS: 1960 TO 1981

[1960, as of April; beginning 1970 April-centered annual averages. For definition of farm population, see text, p. 648]

CHARACTERISTIC	FARM POPULATION (1,000)							PERCENT DISTRIBUTION			
	1969 definition			1974 definition				1969 definition		1974 definition	
	1960	1970	1980	1980	1981			1960	1970	1980	1981
					Total	Male	Female				
Total	15,669	9,712	7,241	6,051	5,790	2,999	2,791	100.0	100.0	100.0	100.0
White	13,092	8,775	6,828	5,714	5,486	2,843	2,644	83.6	90.4	94.4	94.7
Black and other races	2,577	938	413	337	303	156	147	16.4	9.7	5.6	5.2
Under 14 years of age	4,995	2,490	1,391	1,146	1,116	577	538	31.9	25.6	18.9	19.3
14 years of age and over	10,674	7,222	5,851	4,905	4,674	2,422	2,252	68.1	74.4	81.1	80.7
14-19 years	1,868	1,316	926	790	705	373	332	11.9	13.6	13.1	12.2
20-24 years	763	502	502	444	415	232	183	4.9	5.2	7.3	7.2
25-34 years	1,461	770	735	605	605	319	285	9.3	7.9	10.0	10.4
35-44 years	1,803	1,081	862	712	694	340	354	11.5	10.9	11.8	12.0
45-64 years	3,453	2,452	1,892	1,607	1,525	777	749	22.0	25.2	26.6	26.3
65 years and over	1,326	1,122	934	746	731	381	349	8.5	11.6	12.3	12.6
In labor force ¹	6,266	4,293	3,682	3,139	3,008	1,955	1,053	58.7	59.4	64.0	64.4
Employed, agriculture	4,025	2,333	1,722	1,642	1,628	1,285	342	37.7	32.3	33.5	34.8
Percent of total	64.2	54.3	46.8	52.3	54.1	65.7	32.5	(x)	(x)	(x)	(x)
Self-employed	2,405	1,411	1,063	1,034	1,037	909	128	22.5	19.5	21.1	22.2
Wage and salary workers	782	395	344	326	338	283	55	7.3	5.5	6.6	7.2
Unpaid family workers	838	526	295	282	252	93	159	7.9	7.3	5.7	5.4
Employed, nonagriculture	2,064	1,878	1,853	1,415	1,296	632	664	19.3	26.0	28.8	27.7
Self-employed	(NA)	159	210	161	125	70	55	(NA)	2.2	3.3	2.7
Wage and salary workers	(NA)	1,698	1,624	1,239	1,156	556	600	(NA)	23.5	25.3	24.7
Unpaid family workers	(NA)	21	19	16	15	6	10	(NA)	.3	.3	.3
Unemployed	177	82	106	82	64	38	46	1.7	1.1	1.7	1.8
Not in labor force ¹	4,406	2,929	2,169	1,766	1,666	467	1,199	41.3	40.6	36.0	35.6

NA Not available. X Not applicable. ¹ 14 years old and over.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-27, Nos. 42 and 55.

No. 1136. FARM POPULATION, BY CHARACTERISTICS OF FARM: 1975 AND 1980

[In thousands. As of June. Excludes Alaska and Hawaii. Based on 1974 census farm definition; see text, p. 647]

FARM CHARACTERISTIC	1975					1980				
	Total ¹	White	Black	North and West	South	Total ¹	White	Black	North and West	South
Total	7,217	6,888	271	4,689	2,528	7,045	6,775	236	4,483	2,562
Farm operator's household	6,537	6,357	147	4,353	2,184	6,588	6,392	164	4,225	2,363
Other dwelling units	680	531	124	337	343	457	383	71	258	199
Full owner	3,817	3,692	97	2,383	1,434	3,528	3,413	97	2,168	1,359
Part owner	2,582	2,454	109	1,786	797	2,822	2,695	113	1,837	985
Tenant or manager	818	743	64	521	297	696	667	26	478	218
Value of products sold: ²										
Less than \$2,500	1,272	1,213	54	582	690	1,024	980	61	442	582
\$2,500-\$9,999	1,757	1,666	77	965	792	1,644	1,561	73	846	798
\$10,000-\$19,999	1,017	992	21	706	312	865	835	26	504	361
\$20,000-\$39,999	1,053	1,031	15	840	213	901	880	19	655	246
\$40,000-\$99,999	1,341	1,284	46	1,044	297	1,316	1,285	19	1,032	284
\$100,000-\$199,999	777	703	57	553	225	725	711	12	584	141
\$200,000 and over						570	543	25	421	149
Type of farm: ³										
Cash grain	2,206	2,112	82	1,683	523	1,874	1,819	51	1,472	402
Tobacco	554	484	82	21	533	405	350	49	18	387
Cotton	158	119	34	34	123	92	75	16	15	77
Livestock	2,472	2,418	41	1,511	961	2,775	2,686	82	1,516	1,259
Dairy	1,013	1,009	(⁴)	894	118	922	918	(⁴)	805	117
Other	815	766	31	547	268	978	928	37	657	321

¹ Includes other races not shown separately. ² Based on gross income received from sale of crops, livestock, poultry, and other agricultural products. Includes all government payments received. ³ Classification based on product having largest percentage of total sales. ⁴ Included in other.
Source: U.S. Dept. of Agriculture, Economic Research Service, unpublished data.

NO. 1137. FARM POPULATION, BY REGIONS AND DIVISIONS: 1950 TO 1981

[As of April 1 except, beginning 1980, April-centered annual averages. For definition of farm population, see text, p. 648. For composition of divisions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series K 17-81.]

REGION AND DIVISION	FARM POPULATION (1,000)							PERCENT DISTRIBUTION						
	1950	1969 definition			1974 definition			1950	1969 definition			1974 definition		
		1960	1970	1977	1977	1980	1981		1960	1970	1977	1977	1980	1981
U.S.	23,048	15,635	9,712	7,806	6,194	8,051	5,790	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Northeast	1,791	1,119	889	561	418	443	358	7.8	7.2	7.2	7.2	6.7	7.3	6.1
New England	403	232	126	126	89	89	(NA)	1.8	1.5	1.3	1.6	1.4	1.5	(NA)
Middle Atlantic	1,388	887	571	434	329	354	(NA)	6.0	5.7	5.9	5.6	5.3	5.9	(NA)
North Central	7,433	5,838	4,305	3,598	2,948	2,730	2,717	32.3	37.3	44.3	48.1	47.6	45.1	46.9
East North Central	3,703	2,821	2,053	1,652	1,337	1,207	(NA)	16.1	18.0	21.1	21.2	21.6	20.0	(NA)
West North Central	3,729	3,015	2,252	1,946	1,610	1,522	(NA)	16.2	19.3	23.2	26.8	26.0	25.2	(NA)
South	11,896	7,160	3,754	2,684	2,118	2,182	1,959	51.6	45.8	38.8	34.4	34.2	35.7	33.8
South Atlantic	4,633	2,838	1,357	924	702	744	(NA)	20.1	18.2	14.0	11.8	11.3	12.3	(NA)
East South Central	4,048	2,494	1,329	1,007	762	717	(NA)	17.6	15.9	13.7	12.9	12.3	11.9	(NA)
West South Central	3,215	1,828	1,068	753	653	701	(NA)	13.9	11.7	11.0	9.6	10.5	11.8	(NA)
West	1,929	1,520	954	863	712	716	758	8.3	9.7	9.8	12.3	11.5	11.8	13.1
Mountain	859	678	446	410	325	310	(NA)	3.7	4.3	4.6	5.3	5.2	5.1	(NA)
Pacific	1,070	842	508	553	388	406	(NA)	4.6	5.4	5.2	7.1	6.3	6.7	(NA)

NA Not available.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Farm Population Estimates, 1910-70* (Statistical Bulletin No. 523) and *U.S. Farm Population*, annual.

NO. 1138. CHARACTERISTICS OF FARM AND NONFARM FAMILIES: 1970 TO 1981

[As of March, 1970 based on 1969 census farm definition, 1980 and 1981 based on 1974 definition; see text, p. 648. Based on Current Population Survey, see text, p. 2 and Appendix III. 1980 and 1981 data are based on population controls from 1970 and 1980 census respectively; see text, p. 2.]

CHARACTERISTIC	1970			1980			1981		
	Total	Farm	Nonfarm	Total	Farm	Nonfarm	Total	Farm	Nonfarm
Total families (1,000).....	51,237	2,457	48,781	56,426	1,666	56,780	60,309	1,631	58,678
Persons per family.....	3.62	3.77	3.61	3.26	3.35	3.27	3.27	3.31	3.26
With own children under 18 (1,000).....	28,685	1,169	27,496	30,517	745	29,772	31,228	694	30,534
Mean number of own children.....	2.33	2.61	2.32	1.89	2.00	1.89	1.88	2.04	1.88
Percent with: 1 or 2 children.....	63.6	57.2	63.9	77.0	71.5	77.2	77.9	71.6	78.1
3 or 4 children.....	28.5	29.3	28.5	20.4	24.8	20.3	19.8	24.2	19.7
5 or more children.....	7.8	13.5	7.6	2.5	3.5	2.5	2.3	4.2	2.2
Percent distribution:									
Husband-wife.....	88.7	90.5	88.5	82.5	92.3	82.2	81.7	93.3	81.4
Male householder, no wife present.....	2.4	4.2	2.3	2.9	3.4	2.9	3.2	2.7	3.2
Female householder, no husband present.....	10.9	5.3	11.2	14.6	4.4	14.9	15.1	4.0	15.4
2-person families.....	34.5	37.0	34.3	39.2	42.7	38.1	39.4	41.1	39.4
3 to 5 person families.....	52.7	46.4	53.1	53.7	47.1	53.9	53.8	50.4	54.0
6-or-more person families.....	12.9	16.6	12.6	7.1	10.3	7.0	6.7	8.5	6.7

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 218, and series P-27, Nos. 54 and 55.

NO. 1139. MONEY INCOME OF FARM AND NONFARM FAMILIES, BY RACE: 1970 TO 1980

[Number of families as of March 1981. Data are based on population controls from 1980 census. See headnote, tables 713 and 1138. For definition of median, see Guide to Tabular Presentation.]

ITEM	All families, 1981 (1,000)	MEDIAN FAMILY INCOME (CONSTANT 1980 DOLLARS)			PERCENT FAMILIES WITH 1980 INCOME OF—				
		1970	1975	1980	Under \$10,000	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000 or more
All families.....	60,309	20,829	20,995	21,023	18.9	14.2	14.0	13.7	38.3
Farm.....	1,631	14,381	16,604	15,755	30.5	17.4	13.0	12.4	26.6
Nonfarm.....	58,678	21,244	21,172	21,151	18.5	14.1	14.0	13.7	39.6
White.....	52,710	21,722	21,844	21,904	18.2	13.9	14.1	14.2	41.6
Farm.....	1,565	14,697	17,206	16,076	29.7	17.3	13.1	12.7	27.0
Nonfarm.....	51,146	22,054	22,039	22,080	15.8	13.6	14.2	14.2	42.0
Black.....	6,317	13,324	13,440	12,674	40.4	18.6	12.8	10.2	19.8
Farm.....	48	6,424	7,567	(B)	(B)	(B)	(B)	(B)	(B)
Nonfarm.....	6,269	13,589	13,582	12,701	40.3	18.6	12.8	10.3	19.8

B Base less than 75,000.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-27, No. 55.

No. 1140. FARMS—NUMBER AND ACREAGE: 1930 TO 1982

[Estimated. Prior to 1959, excludes Alaska and Hawaii. For definition of farms and farmland, see text, pp. 647 and 648. 1930-1954, farms and farmlands as defined in census year shown; beginning 1959 based on census year definition indicated. Data for census years (indicated by italics) have been adjusted for underenumeration and are used as reference points along with data from acreage and livestock surveys in estimating data for other years. Minus sign (-) denotes decreases. See also *Historical Statistics, Colonial Times to 1970*, series K 4-7]

YEAR	FARMS		LAND IN FARMS		YEAR	FARMS		LAND IN FARMS	
	Number (1,000)	Annual change ¹ (1,000)	Total (mil. acres)	Average per farm (acres)		Number (1,000)	Annual change ¹ (1,000)	Total (mil. acres)	Average per farm (acres)
1930	6,546	15	987	151	1959 DEFINITION—Con.				
1935	6,614	54	1,055	158	1971	2,902	-47	1,097	376
1940	6,360	-83	1,061	167	1972	2,890	-42	1,092	382
1945	5,967	-77	1,142	191	1973	2,823	-37	1,086	386
1950	5,648	-84	1,206	213	1974	2,795	-28	1,084	389
1954	4,798	-213	1,206	251	1975	2,767	-28	1,081	391
1959 DEFINITION					1976	2,738	-29	1,078	394
1959	4,105	-139	1,183	288	1977	2,708	-32	1,075	397
1960	3,983	-142	1,178	297	1978	2,672	-34	1,072	401
1961	3,825	136	1,188	305	1974 DEFINITION				
1962	3,892	-133	1,159	314	1975	2,621	(x)	1,059	420
1963	3,572	-120	1,152	322	1976	2,497	-24	1,054	422
1964	3,457	-115	1,146	332	1977	2,456	-41	1,048	427
1965	3,356	-101	1,140	340	1978	2,436	-20	1,045	429
1966	3,257	-99	1,132	348	1979	2,430	-6	1,043	429
1967	3,162	-95	1,129	355	1980	2,421	-2	1,042	429
1968	3,071	-91	1,115	363	1981	2,400	6	1,042	428
1969	3,000	-71	1,108	369	1982, prel.	2,400	-34	1,039	433
1970	2,949	-51	1,102	374					

X Not applicable. ¹Average annual change from preceding year shown. For 1930, change from 1925.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Number of Farms, 1910-1959; Land in Farms 1950-1959*, by State (Statistical Bulletin No. 316); *Number of Farms and Land in Farms, 1959-70* (Statistical Bulletin No. 507); *Farms and Land in Farms, 1969-75* (Statistical Bulletin No. 594); *Farm Numbers, annual supplements, and Crop Production* (August releases).

No. 1141. FARMS—NUMBER AND ACREAGE, BY STATES. 1975 AND 1982

[1982 data preliminary. Based on 1974 census definition of farms and farmland; see text, p. 647. See also *Historical Statistics, Colonial Times to 1970*, series K 4-7]

STATE	FARMS (1,000)		ACREAGE (mil.)		ACREAGE PER FARM		STATE	FARMS (1,000)		ACREAGE (mil.)		ACREAGE PER FARM	
	1975	1982	1975	1982	1975	1982		1975	1982	1975	1982	1975	1982
U.S.	2,821	2,400	1,069	1,039	420	433	Mo.	127	117	32	31	255	289
Ala.	63	57	13	12	213	218	Mont.	23	24	62	62	2,658	2,598
Alaska	(z)	(z)	2	2	5,567	3,732	Nebr.	67	63	48	48	715	756
Ariz.	6	7	40	39	6,349	5,417	Nev.	2	3	9	9	4,066	3,099
Ark.	60	57	17	16	283	268	N.H.	3	3	1	1	198	189
Calif.	73	80	34	34	470	421	N.J.	9	10	1	1	120	108
Colo.	28	28	38	38	1,359	1,377	N. Mex.	12	14	47	47	3,917	3,511
Conn.	4	4	(z)	(z)	123	114	N.Y.	49	50	11	10	216	190
Del.	4	3	1	1	186	194	N.C.	105	88	12	11	117	126
Fla.	36	41	14	13	389	317	N. Dak.	42	38	42	42	1,007	1,087
Ga.	60	59	15	15	250	262	Ohio	101	93	17	18	165	174
Hawaii	4	4	2	2	551	456	Okla.	75	71	36	34	473	483
Idaho	24	24	15	15	639	629	Oreg.	30	36	19	18	620	508
Ill.	113	104	29	29	258	276	Pa.	68	60	10	9	145	147
Ind.	94	89	17	17	182	191	R.I.	1	1	(z)	(z)	121	107
Iowa	130	117	34	34	262	289	S.C.	37	33	7	6	184	185
Kans.	79	76	49	49	616	638	S. Dak.	43	37	45	45	1,056	1,209
Ky.	107	101	15	15	138	144	Tenn.	108	96	14	13	132	141
La.	38	38	10	10	274	272	Tex.	189	185	140	138	741	748
Maine	7	8	2	2	233	197	Utah	13	13	13	12	1,000	963
Md.	17	18	3	3	179	153	Vt.	6	6	2	2	281	227
Mass.	8	5	1	1	121	119	Va.	62	60	10	10	163	183
Mich.	70	85	12	12	164	177	Wash.	34	39	16	16	474	418
Minn.	104	103	30	30	290	295	W. Va.	22	21	4	4	195	209
Miss.	64	53	16	15	242	274	Wis.	100	92	19	19	193	201
							Wyo.	8	9	35	35	4,333	3,879

Z Less than 500 farms or 500,000 acres.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Farm Numbers, annual and Crop Production* (August releases).

No. 1142. FARMS—NUMBER, 1950 TO 1978, AND ACREAGE, 1974 AND 1978, BY SIZE OF FARM

[See *Historical Statistics, Colonial Times to 1970*, series K 162-173]

SIZE OF FARM	NUMBER OF FARMS (1,000)					LAND IN FARMS (mil. acres)		CROPLAND HARVESTED (mil. acres)		PERCENT DISTRIBUTION, 1978		
	1950	1959	1969	1974	1978	1974	1978	1974	1978	Num- ber of farms	All land in farms	Crop- land har- vested
Total	5,399	5,711	2,730	2,314	2,479	1,017.0	1,029.7	303.0	320.7	100.0	100.0	100.0
Under 10 acres	489	244	162	126	215	5	.8	2	.3	8.7	1	1
10-49 acres	1,480	813	473	380	475	10.8	13.0	4.3	5.1	19.2	1.3	1.6
50-99 acres	1,048	658	480	385	387	28.1	28.1	10.5	10.7	15.6	2.7	3.3
100-179 acres	1,103	773	542	443	428	60.5	58.1	25.1	24.0	17.3	5.6	7.5
180-259 acres	487	414	307	253	242	54.8	52.3	25.1	24.2	9.8	5.1	7.5
260-499 acres	478	472	419	383	354	129.8	127.0	65.9	65.1	14.3	12.3	20.3
500-999 acres	182	200	218	207	215	142.3	147.8	70.1	75.5	6.7	14.4	23.5
1,000-1,999 acres	121	79	91	83	99	125.7	134.0	51.7	58.4	4.0	13.0	18.2
2,000 acres and over		57	60	62	64	464.7	488.5	50.1	57.4	2.6	45.5	17.9

Source: U.S. Bureau of the Census, *Census of Agriculture: 1969*, vol. II; and 1974 and 1978, vol. I.

No. 1143. FARMS—NUMBER, ACREAGE, AND VALUE, BY TYPE OF ORGANIZATION: 1969 TO 1978

ITEM	Unit	Total	Individual or family	Partnership	Corporation	Other	PERCENT DISTRIBUTION				
							Total	Individual or family	Partnership	Corporation	Other
ALL FARMS, 1978 ¹											
Number of farms	1,000	2,478	2,175	241	51	8	100.0	87.8	9.7	2.1	.3
Land in farms	Mil. acres	974	667	159	120	8	100.0	70.5	16.3	12.3	.8
Value of land and buildings	Mil. dol	641,699	480,508	100,115	57,379	3,696	100.0	74.9	15.6	6.9	.6
Value of farm products sold	Mil. dol	107,669	66,451	17,388	23,353	877	100.0	61.6	16.1	21.6	.6
FARMS WITH SALES OF \$2,500 AND OVER											
Number of farms:											
1969	1,000	1,734	1,481	222	22	10	100.0	85.4	12.8	1.3	.6
1974	1,000	1,686	1,518	145	29	4	100.0	89.5	8.8	1.7	.2
1978	1,000	1,665	1,599	210	50	6	100.0	85.7	11.2	2.7	.3
Land in farms:											
1969	Mil. acres	918	665	163	81	6	100.0	72.4	17.8	6.8	.8
1974	Mil. acres	906	676	124	97	6	100.0	74.9	13.7	10.7	.7
1978	Mil. acres	927	644	156	120	7	100.0	69.5	16.8	12.9	.8
Value of farm products sold: ²											
1969	Mil. dol	44,476	30,179	7,746	6,295	254	100.0	67.6	17.4	14.1	.6
1974	Mil. dol	80,593	54,511	11,232	14,426	388	100.0	67.6	13.9	17.9	.5

¹Excludes abnormal farms (see footnote 2, table 1147). ²1978 total value of farm products sold, \$107,184,000,000.Source: U.S. Bureau of the Census, *Census of Agriculture: 1974 and 1978*, vol. I.

No. 1144. CHARACTERISTICS OF CORPORATE FARMS, BY TYPE: 1978

ITEM	Unit	All corpo- rations	FAMILY HELD CORPORATIONS			OTHER CORPORATIONS		
			Total	1-10 stock- holders	11 or more stock- holders	Total	1-10 stock- holders	11 or more stock- holders
Farms	Number	51,270	45,418	44,143	1,275	5,852	4,707	1,145
Percent distribution	Percent	100.0	88.6	86.1	2.5	11.4	9.2	2.2
Land in farms	Mil. acres	120.2	104.0	93.0	11.0	16.1	10.6	5.5
Average per farm	Acres		2,292	2,107	8,661	2,755	2,249	4,837
Value of—								
Land and buildings ¹	Bil. dol.	57.4	47.9	44.6	3.3	9.5	5.6	3.9
Average per farm ¹	\$1,000	1,100	1,038	993	2,695	1,571	1,139	3,445
Farm products sold	Bil. dol.	23.4	18.3	15.0	1.3	7.0	3.9	3.2
Average per farm	\$1,000	456	399	340	1,039	1,203	619	2,764

¹Based on a sample of farms.Source: U.S. Bureau of the Census, *Census of Agriculture: 1978*, vol. I.

No. 1145. FARMS—NUMBER AND ACREAGE, BY TENURE OF OPERATOR: 1959 TO 1978

[Full owners own all the land they operate. Part owners own a part, and rent from others the rest of the land they operate. See also Historical Statistics, Colonial Times to 1970, series K 109-113 and 142-146]

ITEM AND YEAR	Unit	Total	Full owner	Part owner	Tenant	PERCENT DISTRIBUTION			
						Total	Full owner	Part owner	Tenant
Number of farms:									
1959	1,000	1,371	2,119	811	760	100.0	57.1	21.9	20.5
1969	1,000	2,730	1,706	672	353	100.0	62.5	24.6	12.9
1974	1,000	2,314	1,424	628	262	100.0	61.5	27.2	11.3
1978 ¹	1,000	2,479	1,451	714	314	100.0	58.6	28.8	12.7
Under 50 acres	1,000	690	532	74	84	100.0	77.1	10.8	12.2
50-179 acres	1,000	814	563	157	94	100.0	69.2	19.3	11.5
180-499 acres	1,000	596	262	247	87	100.0	43.9	41.4	14.7
500-999 acres	1,000	215	57	128	30	100.0	26.5	59.5	14.0
1,000 acres or more	1,000	161	36	107	18	100.0	22.4	66.2	11.4
Land in farms:									
1959	Mil. acres	1,124	349	498	167	100.0	31.0	44.3	14.9
1969	Mil. acres	1,063	375	550	138	100.0	35.2	51.8	13.0
1974	Mil. acres	1,017	359	535	122	100.0	35.4	52.6	12.0
1978	Mil. acres	1,030	341	565	124	100.0	33.1	54.9	12.0

¹ Includes managers. In subsequent censuses, managers were included under other tenure categories. ² Data by size of farm exclude abnormal farms; see footnote 2, table 1147.
Source: U.S. Bureau of the Census, *Census of Agriculture: 1959, 1969, and 1974*, vol. II; and *1978*, vol. I.

No. 1146. FARM OPERATORS—TENURE AND CHARACTERISTICS: 1974 AND 1978

[In thousands, except as indicated. See also Historical Statistics, Colonial Times to 1970, series K 82-113]

TENURE AND CHARACTERISTIC	ALL FARMS		FARMS WITH SALES OF \$2,500 AND OVER		CHARACTERISTIC	ALL FARMS		FARMS WITH SALES OF \$2,500 AND OVER	
	1974 ¹	1978	1974 ¹	1978		1974 ¹	1978	1974 ¹	1978
Total operators.....	2,314	2,479	1,695	1,865	Principal occupation:				
White.....	2,220	2,399	1,632	1,825	Farming.....	1,427	1,327	1,236	1,190
Black and other.....	59	80	31	40	Other.....	852	1,152	427	675
Under 25 years old.....	52	79	41	63	Place of residence: ²				
25-34 years old.....	240	323	176	247	On farm operated.....	1,502	1,785	1,125	1,338
35-44 years old.....	400	485	291	354	On another farm.....	94	442	69	340
45-54 years old.....	577	596	433	456	In rural area, not on a farm.....	67		45	
55-64 years old.....	589	588	442	458	In urban area.....	210		146	
65 years old and over.....	421	408	280	286	Days worked off farm: ²				
Average age (years).....	51.7	50.1	51.4	49.8	None.....	830	1,001	691	854
Full owner.....	1,424	1,451	904	962	Less than 100 days.....	197	264	147	222
Part owner.....	628	714	566	640	100-199 days.....	157	196	102	143
Tenant.....	262	314	225	263	200 days or more.....	658	905	347	547

¹ Except for tenure, data apply only to individual or family operations and partnerships. ² Excludes not reported.
Source: U.S. Bureau of the Census, *Census of Agriculture: 1974 and 1978*, vol. I.

No. 1147. FARMS—NUMBER, ACREAGE, AND VALUE OF SALES, BY SIZE OF SALES: 1978

ECONOMIC CLASS OF FARM (value of farm products sold)	Farms (1,000)	ACREAGE		VALUE OF SALES		PERCENT DISTRIBUTION		
		Total (mil.)	Average per farm	Total (mil. dol.)	Average per farm (\$1,000)	Farms	Acre- age, total	Value of sales, total
Sales of \$2,500 or more.....	1,865	927	497	107,164	57.5	100.0	100.0	100.0
\$2,500-\$4,999.....	332	37	112	1,191	3.6	17.8	4.0	1.1
\$5,000-\$9,999.....	331	56	168	2,361	7.1	17.7	6.0	2.2
\$10,000-\$19,999.....	310	84	272	4,425	14.3	16.6	9.1	4.1
\$20,000-\$39,999.....	306	133	435	8,788	28.7	16.4	14.3	8.2
\$40,000-\$99,999.....	364	245	675	23,059	63.5	19.5	26.4	21.5
\$100,000 and over.....	223	372	1,669	67,339	302.0	12.0	40.1	62.8
Sales less than \$2,500.....	612	47	77	705	1.2	100.0	100.0	100.0
Occupation—Farming ¹	135	(NA)	(NA)	(NA)	(NA)	22.1	(NA)	(NA)
Occupation—Other than farming ¹	476	(NA)	(NA)	(NA)	(NA)	77.8	(NA)	(NA)
Abnormal farms ²	2	56	24,309	245	106.4	100.0	100.0	100.0

NA Not available. ¹ Occupation determined by 50 percent or more of work time on farm or other occupation. ² Represents institutional farms, experimental and research farms, Indian reservations, etc.
Source: U.S. Bureau of the Census, *Census of Agriculture: 1978*, vol. I.

NO. 1146. FARMS—NUMBER, ACREAGE, AND VALUE OF SALES, BY TYPE OF FARM¹ 1974 AND 1978

[Covers farms with sales of \$2,500 or more. Farm was classified in a particular group if its sales for that product group amounted to 50 percent or more of the total value of farm products sold. The Standard Industrial Classification (SIC) code for each farm type is shown in parentheses]

ITEM AND YEAR	Unit	Total	Cash grain ¹ (011)	Cot- ton (0131)	To- bacco (0132)	Live- stock ² (021)	Dairy (024)	Poul- try, eggs (025)	Fruit and nut (017)	Vege- table (016)	All other
1974											
Number of farms	1,000	1,895	580	31	95	494	196	43	51	20	185
Land in farms	Mil. acres	905.8	281.1	17.6	12.3	442.4	54.1	5.5	7.8	4.7	80.1
Products sold, value	Mil. dol.	80,593	23,673	1,850	1,852	22,125	9,592	6,352	2,658	2,144	10,347
Percent distribution											
Number of farms	Percent	100.0	34.2	1.6	5.6	28.1	11.6	2.5	3.0	1.2	10.9
Land in farms	Percent	100.0	31.0	2.0	1.4	48.9	6.0	.8	.8	.5	8.8
Products sold, value	Percent	100.0	29.4	2.3	2.0	27.4	11.9	7.9	3.5	2.7	12.8
1978											
Number of farms	1,000	1,865	526	30	108	705	167	42	58	26	204
With sales between \$2,500 and \$39,999	Percent	68.6	65.1	49.8	86.6	78.0	38.1	17.5	67.9	71.1	73.3
With sales of \$40,000 or more	Percent	31.4	34.9	50.2	13.4	22.0	61.9	82.5	32.1	28.9	26.7
Land in farms	Mil. acres	926.9	256.6	23.0	12.7	500.2	49.4	5.3	8.1	5.4	66.2
Products sold, value	Mil. dol.	107,164	24,481	3,030	2,324	38,793	12,548	8,814	4,528	3,116	11,531
On farms with sales between \$2,500 and \$39,999	Percent	15.6	21.6	8.6	43.8	18.5	11.7	1.4	11.5	6.7	15.5
On farms with sales of \$40,000 or more	Percent	84.4	78.4	91.4	56.1	83.5	88.3	88.6	88.5	93.3	84.5
Percent distribution											
Number of farms	Percent		28.2	1.6	5.8	37.8	9.0	2.3	3.1	1.4	10.9
Land in farms	Percent	100.0	27.7	2.5	1.4	54.0	5.3	.8	.9	.6	7.1
Products sold, value	Percent	100.0	22.8	2.8	2.2	34.3	11.7	8.2	4.2	2.9	10.8

¹Includes wheat, rice, corn for grain, soybeans, and other cash grains not elsewhere classified.

²Excludes dairy, poultry, and animal specialty farms.

Source: U.S. Bureau of the Census, *Census of Agriculture: 1974 and 1978*, vol. 1, and unpublished data.

NO. 1149. FARMS—NUMBER, BY VALUE OF PRODUCTS SOLD, BY STATES, 1978

DIVISION AND STATE	With sales less than \$2,500	WITH SALES OF—				DIVISION AND STATE	With sales less than \$2,500	WITH SALES OF—			
		\$2,500-\$9,999	\$10,000-\$39,999	\$40,000-\$99,999	\$100,000 or more			\$2,500-\$9,999	\$10,000-\$39,999	\$40,000-\$99,999	\$100,000 or more
U.S.	612,348	663,196	616,135	383,713	223,256	S.A.—Con.					
N.E.	11,267	8,537	4,980	4,364	2,918	W. Va.	10,865	8,818	1,887	508	356
Maine	3,205	1,850	1,340	1,051	912	N.C.	24,516	25,517	21,812	10,716	7,006
N.H.	1,507	855	406	318	202	S.C.	14,478	9,115	5,442	2,347	2,048
Vt.	2,426	1,200	1,202	1,675	770	Ge.	19,769	15,196	10,510	6,524	6,647
Mass.	2,013	1,565	1,126	898	489	Fla.	15,949	11,824	8,432	3,636	4,225
R.I.	344	226	159	85	52	E.S.C.	106,885	115,310	63,118	19,876	13,713
Conn.	1,772	1,031	777	537	493	Ky.	26,631	43,825	29,647	7,237	2,640
M.A.	33,248	29,848	24,861	21,417	9,738	Tenn.	33,496	39,171	17,174	4,609	2,586
N.Y.	14,293	10,751	9,721	10,033	4,475	Ala.	22,892	17,215	8,788	4,466	4,119
N.J.	3,188	2,623	2,072	1,084	927	Miss.	23,868	15,099	7,608	3,341	4,368
Pa.	15,766	16,471	13,068	10,300	4,337	W.S.C.	116,168	118,968	74,856	34,039	27,318
E.M.C.	86,251	110,825	128,434	83,965	42,995	Ark.	18,115	17,967	9,301	6,267	7,096
Ohio	22,063	26,269	26,099	13,034	6,472	La.	16,267	9,818	5,884	3,545	3,369
Ind.	16,765	23,710	25,422	14,020	8,510	Okla.	20,707	26,968	20,410	7,574	3,728
Ill.	13,378	20,268	32,730	26,301	17,247	Tex.	60,047	65,204	38,264	16,633	13,105
Mich.	20,421	19,682	15,817	7,810	4,307	Mt.	29,996	29,169	33,237	20,300	14,966
Wis.	13,624	18,696	26,366	22,800	6,458	Mont.	3,487	4,645	7,902	5,700	2,735
W.M.C.	67,074	119,785	193,023	131,707	63,884	Idaho	5,582	5,895	7,182	4,558	3,261
Minn.	15,224	19,540	33,336	24,900	9,963	Wyo.	1,449	1,702	2,533	1,857	1,154
Iowa	8,673	18,260	39,540	37,556	22,428	Colo.	7,031	6,743	7,806	4,482	3,569
Mo.	24,054	39,856	35,664	15,824	6,957	N. Mex.	5,026	3,718	2,781	1,376	1,351
N. Dak.	2,257	6,223	18,386	10,861	3,442	Ariz.	2,593	1,578	1,222	701	1,586
S. Dak.	2,740	6,637	15,904	10,758	3,626	Utah	4,013	4,150	3,229	1,456	963
Nebr.	4,423	10,073	22,909	18,178	10,335	Nev.	616	736	580	356	387
Kans.	9,703	19,376	27,284	13,833	6,933	Pac.	62,801	37,294	29,480	17,496	21,886
S.A.	109,562	94,506	64,183	30,758	26,284	Wash.	13,042	8,542	6,318	4,967	4,841
Del.	444	783	836	622	847	Oreg.	13,798	9,066	5,742	3,146	2,886
Md.	5,041	5,249	3,868	2,367	2,202	Calif.	24,503	18,194	16,409	9,022	13,578
Va.	18,410	20,002	11,566	4,036	2,853	Alaska	158	124	63	19	21
						Hawaii	1,402	1,366	946	314	280

Source: U.S. Bureau of the Census, *Census of Agriculture: 1978*, vol. 1.

NO. 1150. FARMS—NUMBER, ACREAGE, AND VALUE, BY STATES: 1969 TO 1978

[For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series K 17-18.]

REGION AND STATE	NUMBER OF FARMS (1,000)			ALL LAND IN FARMS (mil. acres)			AVERAGE ACREAGE PER FARM			TOTAL VALUE ¹ (mil. dol.)		
	1969	1974	1978	1969	1974	1978	1969	1974	1978	1969	1974	1978
U.S.	2,730	2,314	2,479	1,062.9	1,017.0	1,029.7	389	440	415	206,751	342,099	650,025
Northeast	152	128	149	25.7	23.4	24.9	169	183	167	9,025	15,460	25,607
North Central	1,152	1,017	1,028	373.3	362.9	366.1	324	357	356	86,392	150,978	309,210
South	1,181	930	1,015	332.8	305.7	312.8	287	329	308	89,864	110,362	194,618
West	265	239	286	331.1	325.1	326.1	1,249	1,360	1,138	41,688	65,299	120,592
N.E.	29	23	30	5.6	4.8	5.2	195	206	172	1,933	2,815	4,847
Maine	5	6	6	1.8	1.5	1.8	221	237	197	263	519	893
N.H.	3	2	3	.6	.5	.5	211	210	164	146	286	496
Vt.	7	6	7	1.9	1.7	1.8	279	282	241	429	770	1,177
Mass.	6	4	6	.7	.6	.7	123	134	115	398	578	885
R.I.	1	1	1	.1	.1	.1	96	102	86	50	92	182
Conn.	4	3	5	.5	.4	.5	121	129	110	499	671	1,114
M.A.	123	104	119	20.1	18.6	19.7	183	178	166	7,222	12,545	20,799
N.Y.	52	44	49	10.1	9.4	9.9	196	215	201	2,772	4,600	6,701
N.J.	8	7	10	1.0	1.0	1.0	122	130	106	1,131	1,737	2,829
Pa.	63	53	60	8.9	8.2	8.7	142	154	146	3,319	5,008	11,232
E.M.C.	513	445	482	94.8	93.0	92.4	184	202	204	36,653	61,408	133,183
Ohio	111	92	96	17.1	15.7	16.1	154	170	168	8,818	11,058	23,922
Ind.	101	88	88	17.6	16.6	17.0	173	191	193	7,136	12,078	27,183
Ill.	124	111	110	29.9	29.1	29.7	242	262	270	14,643	24,628	55,529
Mich.	78	64	68	11.9	10.8	11.4	153	169	168	3,883	5,989	11,144
Wis.	99	89	90	18.1	17.6	18.1	183	197	201	4,201	7,656	15,435
W.M.C.	699	574	578	272.7	272.9	273.7	436	477	476	49,711	89,572	176,017
Minn.	111	99	103	26.8	27.6	28.7	280	280	279	8,512	11,855	26,083
Iowa	140	126	126	33.6	33.0	33.6	239	262	266	13,150	23,754	52,395
Mo.	137	116	122	32.4	29.8	30.8	237	258	253	7,269	11,811	22,806
N. Dak.	46	43	41	43.1	42.4	42.0	830	992	1,021	4,045	8,268	14,699
S. Dak.	46	43	40	45.6	46.0	44.5	997	1,074	1,123	3,815	6,556	11,529
Nebr.	72	66	66	45.8	46.2	46.3	634	683	702	7,078	13,017	24,572
Kans.	86	79	77	49.4	47.9	47.7	574	605	619	7,643	14,211	24,164
S.A.	371	298	326	66.0	60.8	61.9	184	206	190	20,513	34,967	60,796
Del.	4	3	4	.7	.6	.7	162	165	187	336	612	982
Md.	17	15	19	2.8	2.6	2.7	163	174	145	1,793	2,791	5,041
Va.	65	53	57	10.7	9.7	10.0	165	184	175	3,047	5,396	9,322
W. Va.	23	17	21	4.3	3.5	3.9	188	207	188	589	1,050	2,317
N.C.	119	91	89	12.7	11.2	11.4	107	123	127	4,244	6,634	12,073
S.C.	40	29	33	7.0	6.2	6.3	177	211	189	1,826	2,887	4,698
Ge.	67	55	59	15.6	13.9	13.7	234	253	234	3,701	6,576	10,696
Fla.	36	32	44	14.0	13.2	13.3	394	407	302	4,976	9,041	15,496
E.S.C.	392	308	319	60.7	53.7	53.6	156	175	168	14,540	22,006	41,194
Ky.	126	102	110	18.0	14.4	15.0	128	141	137	4,041	6,156	13,078
Tenn.	121	94	97	15.1	13.1	13.2	124	140	136	4,028	6,117	11,342
Ala.	72	57	58	13.7	11.9	11.5	188	209	201	2,725	4,310	7,376
Miss.	73	54	54	18.0	14.3	13.9	221	267	256	3,746	5,421	9,399
W.S.C.	399	324	371	204.1	191.0	197.1	511	582	531	34,611	53,399	92,637
Ark.	60	51	59	15.7	14.8	15.6	260	287	265	4,081	6,135	11,931
La.	42	33	39	9.8	8.1	9.6	232	275	247	3,145	4,679	9,604
Okl.	83	70	79	36.0	33.1	34.3	434	475	433	6,214	9,992	17,674
Tex.	214	174	194	142.6	134.2	137.5	668	771	708	21,170	32,563	53,429
Mt.	120	112	129	296.5	253.0	254.3	2,139	2,262	1,991	17,444	32,028	58,110
Mont.	25	23	24	62.9	62.2	62.3	2,522	2,865	2,545	3,748	6,952	12,264
Idaho	25	24	26	14.4	14.3	14.6	586	603	562	2,545	4,833	8,712
Wyo.	9	8	8	35.5	34.3	33.7	4,014	4,274	3,989	1,445	2,751	4,880
Colo.	28	26	30	36.7	35.9	35.5	1,313	1,408	1,197	3,471	6,734	11,496
N. Mex.	12	11	14	46.6	47.0	48.3	4,020	4,170	3,389	1,980	3,849	6,899
Ariz.	6	6	6	38.2	37.9	38.7	6,486	6,539	5,034	2,884	4,197	7,862
Utah	13	12	14	11.3	10.6	10.6	867	871	780	1,040	1,998	4,202
Nev.	2	2	3	10.7	10.6	10.5	5,070	5,209	3,641	571	915	2,005
Pac.	146	127	199	74.6	72.9	71.8	514	567	452	34,224	33,271	62,462
Wash.	34	29	38	17.6	16.7	17.0	516	567	451	3,930	5,829	11,858
Oreg.	26	27	35	18.0	18.2	18.4	620	682	532	2,707	4,552	9,256
Calif.	78	68	82	35.3	33.4	33.1	454	493	405	18,956	21,793	39,448
Alaska	(2)	(2)	(2)	1.6	1.6	1.3	4,832	5,612	3,859	20	69	140
Hawaii	4	3	4	2.1	2.1	2.0	528	702	461	611	1,029	1,784

2. Less than 500. ¹ Value of land and buildings. For 1978, based on reports for a sample of farms.

Source: U.S. Bureau of the Census, *Census of Agriculture: 1974 and 1978*, vol. 1.

NO. 1151. FARMS, LAND IN FARMS AND DEBT STATUS, BY OPERATOR CHARACTERISTICS: 1979

[Based on the 1979 Survey of Farm Finance, a sample survey conducted as part of the 1978 Census of Agriculture. Survey was taken in 1980 to cover calendar year 1979]

CHARACTERISTIC	Number of farms (1,000)	LAND IN FARMS (millions)			Per cent of operators with debt	Real estate debt as percent of value of land and bldgs ¹	Non-real estate debt as percent of net cash farm income ²
		Total acres	Acres owned	Acres rented			
Total	2,364	928.6	652.9	375.5	53.8	27.1	248.4
Full owner	1,424	279.0	279.0	(x)	45.9	25.0	193.1
Part owner	647	542.4	273.9	268.4	71.8	29.0	254.3
Tenant ³	293	107.0	(x)	107.0	52.2	(x)	388.4
Cash	108	45.0	(x)	45.0	53.0	(x)	369.5
Share-cash ⁴	41	25.5	(x)	25.5	73.4	(x)	1,234.7
Share ⁵	102	31.0	(x)	31.0	51.4	(x)	267.9
Individual or family	2,079	657.1	393.8	263.3	52.7	26.6	267.5
Partnership	217	152.7	94.4	68.2	60.0	27.0	229.7
Corporation	52	113.9	71.8	42.4	72.8	29.3	206.3
Other	7	4.7	3.1	1.6	31.0	16.5	136.9
Less than 50 acres	655	13.3	11.4	1.9	42.1	31.9	212.8
50-99 acres	380	27.8	22.9	4.7	44.3	28.7	243.4
100-179 acres	401	54.5	42.2	12.3	49.1	27.3	221.8
180-259 acres	220	47.7	34.1	13.6	54.9	26.6	225.2
260-499 acres	347	124.9	74.6	50.3	66.7	25.4	238.2
500-999 acres	198	136.3	72.5	63.9	76.7	26.9	233.9
1,000-1,999 acres	94	128.0	65.9	62.1	78.9	27.5	370.2
2,000 acres or more	59	386.2	229.4	166.8	79.0	25.8	239.5

X Not applicable. ¹For operators with real estate debt. Only owned land and buildings operated are included. ²For operators with non-real estate debt. ³Includes other types, not shown separately. ⁴Share-cash tenants pay part of the rent in cash and part in a share of the crops and/or of the livestock and livestock products. ⁵Share tenants pay a share of the crops and/or a share of the livestock or livestock products.

Source: U.S. Bureau of the Census, 1978 Census of Agriculture, Volume 5, Special Reports, Part 6, 1979 Farm Finance Survey.

NO. 1152. IRRIGATION OF AGRICULTURAL LAND—SUMMARY: 1950 TO 1978

[See also Historical Statistics, Colonial Times to 1970, series J 85-91]

ITEM	Unit	17 WESTERN STATES AND LA.					ALL STATES		
		1950	1959	1969	1974	1978	1969	1974	1978
Approximate land area	Mil. acres	1,191	1,189	1,187	1,187	1,187	2,264	2,264	2,268
Farms, total	1,000	1,430	1,044	850	745	796	2,730	2,314	2,479
Irrigated	1,000	289	267	210	197	239	257	237	303
Percent irrigated of total farms	Percent	20.2	25.6	24.7	26.4	29.9	9.4	10.2	12.2
Land in farms, total	Mil. acres	699	715	700	680	685	1,063	1,017	1,030
In irrigated farms	Mil. acres	189	213	218	211	228	236	229	253
Land irrigated, total	Mil. acres	25	31	35	37	44	39	41	51
Percent irrigated of total farms	Percent	3.8	4.3	5.0	5.4	6.4	3.7	4.0	4.9

Source: U.S. Bureau of the Census, Census of Agriculture: 1950, 1959, 1969, 1974, and 1978, Irrigation of Agricultural Lands.

NO. 1153. FEDERAL IRRIGATION PROJECTS, BY TYPE OF SERVICE: 1960 TO 1980

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980
All projects: irrigable acreage	1,000	8,171	8,612	10,198	10,930	11,061	11,234	11,409	12,236	11,944
irrigated acreage	1,000	6,900	6,012	6,570	9,309	9,463	9,132	9,576	10,234	10,093
Gross crop value	Mil. dol.	1,156	1,557	1,882	4,419	4,336	4,395	4,993	6,909	7,438
Full service ¹ irrigable acreage	1,000	4,326	4,540	4,844	4,925	4,957	4,974	5,012	5,076	5,082
irrigated acreage	1,000	3,488	3,731	4,037	4,213	4,249	4,206	4,222	4,254	4,275
Gross crop value	Mil. dol.	581	675	847	1,858	1,846	1,771	2,036	2,348	2,668
Supplemental and temporary service ²										
irrigable acreage	1,000	3,845	5,072	5,354	6,005	6,104	6,260	6,397	7,160	6,862
irrigated acreage	1,000	3,412	4,281	4,533	5,096	5,214	4,926	5,354	5,980	5,818
Gross crop value	Mil. dol.	577	882	1,035	2,561	2,490	2,624	2,857	4,561	4,770

¹Applies to irrigable land receiving its sole irrigation supply through Bureau of Reclamation-constructed facilities and to previously irrigated land in non-Federal projects where a substantial part of the facilities was constructed, rehabilitated, or replaced by the Bureau. ²Applies to irrigable land receiving irrigation water through Bureau projects in addition to supply from non-project sources and to land for which water is delivered under temporary arrangements.

Source: U.S. Bureau of Reclamation, Annual Report.

No. 1154. LAND UTILIZATION, BY TYPE: 1950 TO 1978

[1950 excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series J 50-65, for similar data]

TYPE	LAND (mil. acres)					PERCENT				
	1950	1960	1969	1974	1978	1950	1960	1969	1974	1978
Total land area	1,984	2,271	2,264	2,264	2,264	100.0	100.0	100.0	100.0	100.0
Cropland used for crops ¹	377	359	333	361	369	19.0	15.8	14.7	16.0	16.3
Idle cropland.....	32	33	51	21	26	1.7	1.5	2.3	.9	1.1
Cropland used only for pasture	69	66	88	83	76	3.6	2.9	3.9	3.7	3.4
Grassland pasture ²	631	633	604	588	587	33.1	27.9	26.7	26.4	25.9
Forest land ³	601	726	723	718	703	31.6	32.1	31.9	31.7	31.1
Special uses	115	146	172	182	158	6.0	6.4	7.6	8.0	7.0
Urban areas ⁴	15	24	31	35	(⁵)	.8	1.1	1.4	1.5	(⁵)
Transportation areas ⁶	24	25	26	26	27	1.2	1.1	1.2	1.2	1.2
Recreation areas ⁷	32	44	49	52	57	1.7	1.9	2.2	2.3	2.5
Wildlife areas ⁸	9	17	32	36	41	.5	.8	1.4	1.6	1.8
National defense and industrial ⁹	23	26	26	25	25	1.2	1.1	1.1	1.1	1.1
Farmsteads, farm roads, and lanes	12	10	8	8	8	.6	.4	.4	.4	.4
Other land ¹⁰	79	306	293	301	¹¹ 345	4.2	13.5	12.9	13.2	¹¹ 15.2

¹Cropland harvested, crop failure, and cultivated summer fallow. ²Grassland and other nonforest pasture and range. ³Excludes reserve forest land in parks and other special uses of land. Includes forest grazing land. ⁴Estimated area in urbanized areas and places of 2,500 or more population outside urbanized areas. ⁵Data for urban areas included in other land. ⁶Represents rural highway, road, and railroad rights-of-way, and airports. ⁷Area in National and State parks and related recreation areas, including area in national wilderness and primitive areas. ⁸Acreage administered by Federal and State agencies primarily for wildlife protection and propagation. ⁹Areas administered by the Dept. of Defense for military purposes and by the Energy Research and Development Administration. ¹⁰Miscellaneous areas such as marshes, open swamps, bare rock area, deserts, and tundra, and various other uses not inventoried.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Major Uses of Land in the United States: 1978*, AER 487.

No. 1155. AVAILABILITY OF NONFEDERAL LAND FOR AGRICULTURE: 1977

[In millions of acres. Agricultural lands represent lands currently used to produce agricultural commodities. Data are based on National Agricultural Lands Study, for details, contact source]

STATE	LAND AVAILABLE FOR AGRICULTURE				Land not available for agriculture	STATE	LAND AVAILABLE FOR AGRICULTURE				Land not available for agriculture
	Total ¹	Crop-land	Range-land	Forest land			Total ¹	Crop-land	Range-land	Forest land	
U.S.	1,359	413	414	376	153	Mo.	39	15	(Z)	11	3
Ala.	29	4	-	20	3	Mont.	64	15	39	6	2
Alaska	13	(Z)	6	7	1	Nebr.	47	21	22	(Z)	2
Ariz.	38	1	35	2	2	Nev.	9	1	7	(Z)	2
Ark.	26	8	(Z)	14	2	N.H.	4	(Z)	-	4	1
Calif.	39	10	18	10	15	N.J.	3	1	-	2	2
Colo.	40	11	24	3	3	N. Mex.	48	2	42	3	3
Conn.	2	(Z)	-	1	1	N.Y.	25	6	-	15	6
Del.	1	1	-	(Z)	(Z)	N.C.	25	6	-	17	4
Fla.	24	3	3	12	8	N. Dak.	41	27	11	(Z)	2
Ga.	32	6	-	22	4	Ohio	21	12	-	6	5
Hawaii	3	(Z)	-	1	1	Okl.	40	12	15	5	2
Idaho.	18	6	7	4	1	Oreg.	27	5	10	10	2
Ill.	31	24	-	3	4	Pa.	23	6	-	14	6
Ind.	20	13	-	4	3	R.I.	(Z)	(Z)	-	(Z)	(Z)
Iowa.	33	26	-	1	2	S.C.	15	3	-	11	3
Kans.	49	29	16	1	2	S. Dak.	44	16	22	(Z)	2
Ky.	22	5	-	11	2	Tenn.	22	5	-	12	3
La.	22	6	(Z)	13	6	Texas.	155	30	95	9	10
Maine.	18	1	-	17	2	Utah.	13	2	9	1	4
Md.	4	2	-	2	2	Vt.	5	1	-	4	1
Mass.	3	(Z)	-	3	2	Va.	20	3	-	13	3
Mich.	27	9	-	15	6	Wash.	26	8	6	12	2
Minn.	41	23	(Z)	14	6	W. Va.	13	1	-	10	1
Miss.	26	7	(Z)	14	3	Wis.	29	12	(Z)	13	4
						Wyo.	31	3	26	1	2

- Represents zero. Z Less than 500,000 acres. ¹Includes pastureland and other land in farms not shown separately.

Source: U.S. Dept. of Agriculture, Soil Conservation Service, *Resource Conservation Act Appraisal*, 1980.

NO. 1156. FARM AND RANCH LAND—OWNERS AND ACREAGE BY CHARACTERISTICS: 1978

(Covers cropland, pastureland, woodland, wasteland, and farmsteads. Based on a land area sample and subject to sampling variability; for details, see source. Estimate of number of owners is more nearly an estimate of number of individual ownership units or entities that owned land with certain characteristics)

CHARACTERISTIC	OWNERS		ACREAGE		CHARACTERISTIC	OWNERS		ACREAGE	
	Number (1,000)	Per- cent	Amount (mil.)	Per- cent		Number (1,000)	Per- cent	Amount (mil.)	Per- cent
Total	6,677	100.0	938.8	100.0	Size of holding:				
Sole proprietor	3,032	44.1	336.0	35.8	1-9 acres	2,015	29.3	7.9	.8
Husband-wife	3,016	43.9	334.8	35.7	10-49 acres	1,826	28.0	48.0	5.1
Family partnership	423	6.2	113.9	12.1	50-99 acres	989	14.4	71.0	7.6
Family corporation	107	1.5	61.7	6.6	100-179 acres	860	12.8	120.3	12.8
Nonfamily partnership	97	1.4	18.4	2.0	180-499 acres	770	11.2	221.6	23.6
Nonfamily corporation	71	1.0	36.9	3.9	500 acres or more	297	4.3	489.8	50.1
Other	131	1.9	36.3	3.9	Method of acquisition:				
Occupation: ¹					Purchase from nonrelative	4,365	63.3	536.6	57.1
Farmer	1,702	24.7	478.3	51.0	Purchase from relative	1,333	19.4	172.6	18.4
White collar worker	1,440	20.9	119.8	12.8	Inherited or gift	1,142	16.6	211.9	22.6
Blue collar worker	1,517	22.1	67.6	7.2	Other	47	7	17.6	1.9
Retired	1,593	23.2	140.7	15.0					
Other	381	5.5	36.4	3.9					

¹Excludes corporations and other business entities.

Source: U.S. Dept. of Agriculture, Economic Research Service, unpublished data.

NO. 1157. FOREIGN OWNERSHIP OF U.S. AGRICULTURAL LAND: 1981

(In thousands of acres, except percent. Covers "foreign persons" reporting under the Agricultural Foreign Investment Disclosure Act of 1978. As defined in the Act a "foreign person" is any person who is not a U.S. citizen and who is not a permanent resident alien of the U.S. Foreign governments and entities are also "foreign persons." Also, each successive link in a chain of U.S. entities containing foreign interests is considered a "foreign person." An entity is deemed a "foreign person" because another "foreign person" holds at least a 5 percent or more interest in the entity. Therefore acreage figures reported do not necessarily mean that they are wholly owned by foreign investors. Covers reports received and accepted as of December 31, 1981)

CHARACTERISTIC	ACREAGE OWNED ¹		ACREAGE ACQUIRED ²		CHARACTERISTIC	ACREAGE OWNED ¹		ACREAGE ACQUIRED ²	
	Total	Percent	Total	Percent		Total	Percent	Total	Percent
Total	12,710	100.0	2,686	100.0	Country of foreign owner				
Type of owner					Canada	1,382	10.9	57	2.0
Corporation	10,783	84.7	2,456	86.1	Germany, Fed. Rep.	606	4.8	108	3.7
Partnership	1,073	8.4	319	11.0	Hong Kong	175	1.4	-	-
Individual	744	5.9	98	3.3	Mexico	208	1.6	-	-
Other	129	1.0	15	.5	Netherlands Antilles	526	4.1	27	1.0
Size of holding:					Switzerland	180	1.4	31	1.1
Less than 100 acres	106	.8	10	.3	United Kingdom	328	2.6	8	.3
100-299 acres	1,000	7.9	33	1.1	Through U.S. interest: ³				
300-999 acres	673	5.3	65	2.9	Canada	2,653	20.9	2,121	73.4
1,000 acres or more	11,898	92.0	2,780	95.6	France	1,974	15.5	17	.6
Land use:					Germany, Fed. Rep.	435	3.4	18	.6
Cropland	1,664	13.1	147	5.1	Luxembourg	243	1.9	3	.1
Pasture	2,787	21.9	269	9.3	Netherlands	221	1.7	65	2.9
Forest	7,164	56.4	2,400	83.1	Netherlands Antilles	463	3.6	15	.5
Other agriculture	518	4.1	42	1.5	United Kingdom	1,443	11.4	67	2.3
Other nonagriculture	574	4.5	30	1.0					

- Represents zero. ¹Landholdings by foreign interests as of Dec. 31, 1981. ²Acquisitions by foreign interests from Jan. 1-Dec. 31, 1981. ³Includes other items not shown separately. ⁴Reports filed by U.S. corporations with foreign shareholders.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Foreign Ownership of U.S. Agricultural Land through December 31, 1981* (Economic Research Service Staff Report AGES 820409), 1982.

NO. 1158. AGRICULTURAL SERVICES—SUMMARY: 1974 AND 1978

SIC code ¹	TYPE OF SERVICE	ESTABLISHMENTS		GROSS RECEIPTS (mil. dol.)		PAID EMPLOYEES (1,000)		PAYROLL (mil. dol.)	
		1974	1978	1974	1978	1974	1978	1974	1978
07	Agricultural services	81,347	83,120	3,555	7,251	501	984	1,206	2,580
071	Soil preparation services	730	1,476	41	85	3	9	11	31
072	Crop services	5,140	8,850	720	1,676	109	198	197	498
074	Veterinary services	10,452	15,551	868	1,549	52	88	258	510
0741	Cattle, hogs, sheep, goats, and poultry	3,081	4,021	206	331	10	15	47	84
0742	Dogs, cats, horses, bees, fish, rabbits, other pets ²	7,371	11,530	662	1,218	42	73	211	426
075	Animal services, except veterinary	10,502	16,890	296	634	29	57	68	178
076	Farm labor and management services	905	2,769	286	667	181	361	166	386
078	Landscape and horticultural services	33,618	48,584	1,342	2,640	146	280	487	947

¹Standard Industrial Classification Code. ²Includes birds (exc. poultry) and other fur-bearing animals.

Source: U.S. Bureau of the Census, *Census of Agriculture: 1978*, vol. III.

NO. 1159. FARM REAL ESTATE—SUMMARY: 1960 TO 1982

[Through 1975, value data as of Mar. 1, 1976-1981, as of Feb. 1, 1982, as of April 1. Excludes Alaska and Hawaii. 1960-1970, value data based on 1969 census definition of farms and farmland; beginning 1975, based on 1974 census definition, see text, p. 647]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982
Total value	Bil. dol.	128.6	167.0	215.0	356.8	416.8	495.0	553.0	653.1	753.6	827.8	821.5
Land	Bil. dol.	104.5	132.6	175.5	296.8	345.7	410.6	459.7	544.3	630.2	693.6	682.0
Buildings	Bil. dol.	23.3	34.4	39.5	61.8	71.1	84.2	93.3	108.8	123.4	134.0	129.5
Avg. value per acre ¹	Dollars	117	147	196	340	397	474	531	626	725	795	786
Index	1977 = 100	24	31	42	75	86	100	109	125	145	158	157
Avg. value, operating unit	\$1,000	34.6	49.9	73.0	142.5	167.2	201.9	227.4	269.3	311.0	340.4	337.7
Farm real estate sales ²	1,000	(NA)	¹ 113.6	89.0	88.9	76.0	74.5	70.8	68.2	66.3	61.4	(NA)
Acres sold	Million	(NA)	² 26.5	22.0	24.7	21.0	20.6	22.5	22.8	21.1	18.1	(NA)
Value	Bil. dol.	(NA)	³ 5.3	5.4	10.6	11.0	13.4	12.9	14.1	16.5	15.4	(NA)

NA Not available. ¹Land and buildings. ²Voluntary and estate sales of 10 acres or more. ³1966 data.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Farm Real Estate Market Developments*, annual.

NO. 1160. FARM REAL ESTATE—VALUE OF LAND AND BUILDINGS, BY STATES: 1975 TO 1982

[See headnote, table 1159. See also *Historical Statistics, Colonial Times to 1970*, series K 16]

STATE	VALUE OF LAND AND BUILDINGS (mil. dol.)				AVERAGE VALUE OF LAND AND BUILDINGS, PER ACRE				INDEXES OF AVERAGE VALUE PER ACRE (1977 = 100)			
	1975	1980	1981	1982	1975	1980	1981	1982	1975	1980	1981	1982
U.S.	358,840	763,608	827,621	821,456	\$340	\$726	\$796	\$788	75	145	158	157
Ala.	4,678	10,055	11,584	11,248	384	792	835	822	85	149	176	174
Ark.	4,440	10,260	10,898	11,642	111	264	282	294	93	167	179	188
Calif.	7,123	15,201	17,294	17,885	419	821	1,081	1,104	60	163	188	196
Conn.	22,396	48,345	58,990	65,151	853	1,426	1,735	1,905	96	166	201	221
Del.	7,050	13,737	15,244	15,587	188	376	412	419	73	147	161	164
Fla.	747	1,173	1,266	1,343	1524	2,394	2,533	2,634	85	135	143	149
Ga.	670	1,141	1,186	1,078	971	1,755	1,843	1,659	72	151	158	143
Idaho	9,580	18,112	19,581	18,616	685	1,352	1,507	1,432	89	141	157	149
Ill.	7,110	13,460	14,182	13,051	474	888	915	842	93	132	139	128
Ind.	5,221	10,301	10,827	11,370	338	668	717	753	82	134	144	151
Iowa	24,619	57,976	61,857	58,260	848	2,013	2,133	1,940	59	135	144	131
Kans.	12,312	30,791	33,327	29,156	720	1,833	1,972	1,715	62	150	161	140
Kent.	24,518	61,207	65,806	60,906	719	1,811	1,941	1,802	59	139	150	139
Ky.	14,415	27,685	28,815	28,372	296	573	590	585	80	134	137	136
La.	8,320	13,942	14,469	14,442	427	955	991	996	72	147	153	154
Maine	5,325	13,007	15,342	15,261	512	1,288	1,519	1,511	88	169	200	199
Md.	540	934	979	1,016	341	578	612	636	85	135	143	149
Mass.	3,127	8,190	7,157	6,986	1,060	2,251	2,556	2,418	79	166	188	178
Mich.	673	1,055	1,083	1,092	981	1,551	1,641	1,707	85	135	143	149
Minn.	6,360	12,331	14,166	13,827	553	1,082	1,232	1,192	72	136	157	152
Miss.	12,856	31,832	37,889	36,628	429	1,061	1,231	1,197	65	154	179	174
Mo.	5,875	12,050	15,288	14,600	379	825	1,047	1,000	94	158	196	189
Mont.	12,830	27,660	30,112	28,253	396	878	941	872	75	154	165	153
Nebr.	8,986	14,230	14,981	16,053	112	229	239	254	74	142	148	157
Nev.	13,508	28,623	31,482	29,860	282	600	660	626	70	137	151	143
N.H.	784	2,276	2,412	2,510	85	253	271	282	97	178	190	198
N.J.	290	539	570	582	563	989	1,045	1,087	85	135	143	149
N.M.	1,870	2,964	3,088	3,212	1,007	2,925	2,998	3,118	80	120	123	126
N.Y.	3,686	8,870	9,683	10,085	78	190	203	211	87	166	178	185
N.C.	5,406	8,656	7,415	7,781	510	708	749	766	88	119	125	132
N.D.	7,257	14,221	15,173	14,252	590	1,215	1,331	1,284	88	141	155	149
N. Dak.	8,249	16,627	17,639	16,161	195	399	423	436	76	136	145	149
Ohio	11,790	27,347	28,150	23,879	706	1,678	1,727	1,474	63	156	160	137
Okl.	10,721	20,889	22,707	23,734	302	604	662	696	62	143	156	164
Ore.	4,650	10,067	11,011	11,181	250	556	605	611	90	132	144	145
Pa.	7,046	12,833	12,878	11,855	734	1,404	1,447	1,332	75	140	144	133
R.I.	113	191	216	224	1,507	2,547	2,696	2,804	85	135	143	149
S.C.	3,176	5,627	5,659	5,600	467	879	930	916	88	130	137	136
S. Dak.	8,583	12,271	13,050	13,095	145	273	290	291	75	141	150	150
Tenn.	6,538	12,959	13,824	13,025	467	953	1,024	972	86	136	146	138
Tex.	34,020	82,120	88,142	79,718	243	448	492	578	85	144	158	185
Utah	2,369	6,680	7,031	7,257	188	530	567	590	80	169	181	188
Vt.	816	1,235	1,352	1,414	462	710	751	781	85	135	143	149
Va.	5,636	9,891	10,584	10,192	558	1,009	1,060	1,040	83	139	149	143
Wash.	5,635	11,671	14,006	14,652	350	725	854	886	72	124	146	152
W. Va.	1,290	2,958	3,192	3,565	300	705	751	829	78	150	160	177
Wis.	6,376	16,232	20,563	19,850	434	980	1,105	1,073	75	159	179	174
Wyo.	2,806	5,357	5,789	6,035	80	153	164	170	80	126	135	140

¹Dollar values based on average rate of change for region. For New England States, index based on weighted average.

²Indexes based on percentage change in Georgia and Alabama. Dollar value based on the resulting index.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Farm Real Estate Market Developments*, annual.

Farm Sector Balance Sheet—Gross Farm Product

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NO. 1161. BALANCE SHEET OF THE FARMING SECTOR: 1960 TO 1982

[In billions of dollars, except percent. As of January 1. Includes farm households. See also *Historical Statistics, Colonial Times to 1970*, series K 204-219, for data before revisions]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Assets	210.3	243.6	314.9	478.5	502.6	576.3	664.2	736.3	873.4	1,004.8	1,081.1	1,091.8
Annual percent increase ¹	4.5	3.0	5.3	11.0	5.3	14.4	15.2	11.0	18.5	15.0	8.6	1
Physical assets												
Real estate	137.2	167.5	216.8	327.7	359.7	416.1	495.4	554.7	665.0	755.9	830.0	823.8
Non-real estate:												
Livestock ²	15.3	14.5	23.5	42.4	24.5	29.4	29.0	31.9	51.3	61.4	60.8	53.6
Machinery, motor vehicles	22.7	24.6	32.3	44.2	54.7	64.0	71.0	76.9	85.1	98.8	102.8	111.4
Crops stored ³	7.7	9.2	10.9	22.0	23.3	21.3	22.1	24.4	28.0	33.5	35.9	36.5
Household furnishings, equipment	9.2	8.4	9.6	12.3	11.2	11.7	12.1	13.8	16.0	17.2	19.4	21.7
Financial assets												
Deposits and currency	9.2	9.6	11.9	14.9	14.0	14.5	14.6	15.2	15.6	16.9	16.2	16.8
United States savings bonds	4.7	4.2	3.7	4.2	3.8	3.9	3.8	3.6	4.2	4.0	3.8	3.8
Investments in cooperatives	4.2	5.6	7.2	10.8	11.4	13.4	14.9	15.2	16.3	20.2	22.2	24.4
Claims	210.3	243.6	314.9	478.5	502.6	576.3	664.2	736.3	873.4	1,004.8	1,081.1	1,091.8
Liabilities	24.8	36.8	53.0	74.1	81.8	90.8	102.7	119.3	136.5	158.5	175.2	194.9
Real estate debt	12.1	18.8	29.2	41.3	46.3	51.1	56.6	63.6	70.8	82.7	92.0	102.0
Non-real estate debt to—												
Commodity Credit Corp. ⁴	1.2	1.5	2.7	.9	.9	.4	1.0	4.5	5.7	5.1	5.0	8.0
Other reporting agencies ⁵	8.6	10.0	15.8	26.2	29.2	35.1	37.8	42.7	49.6	59.0	64.2	69.8
Non-reporting creditors ⁶	4.9	6.3	5.3	5.9	6.0	6.3	7.3	8.4	10.4	11.7	14.0	15.0
Proprietors' equities	185.4	207.0	261.9	404.4	420.8	485.5	561.6	617.0	736.9	846.3	915.9	898.9

¹Average change from prior year shown; for 1960, change from 1955. For explanation of average annual percent change, see Guide to Tabular Presentation. ²Beginning 1965, excludes horses and mules. ³Includes all crops held on farms and crops held off farms by farmers as security for CCC loans. ⁴Nonrecourse CCC loans secured by crops owned by farmers are included as assets in this balance sheet. ⁵Loans of all operating banks, production credit associations, and Farmers Home Administration, and discounts of Federal intermediate credit banks for agricultural credit corporations and livestock loan companies. ⁶Loans and credits extended by dealers, merchants, finance companies, individuals, and others. Estimates based on fragmentary data.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual.

NO. 1162. GROSS FARM PRODUCT—SUMMARY: 1960 TO 1981

[In billions of dollars. For definition of gross product and current and constant dollars, see text, pp. 415-417. Minus sign (—) denotes decrease. See *Historical Statistics, Colonial Times to 1970*, series K 220-239, for single-year figures prior to minor revisions issued in 1981]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
CURRENT DOLLARS											
Total value of farm output ¹	38.2	44.1	54.9	97.8	99.5	101.1	108.9	124.2	146.9	149.3	164.8
Farm marketings cash receipts ²	34.4	38.4	50.4	92.7	88.1	94.5	98.0	112.5	131.7	138.5	143.5
Farm products consumed ³	1.2	.8	.8	1.3	1.3	1.3	1.2	1.2	1.3	1.2	1.2
Change in farm inventories	3	1.0	1	1.8	3.5	2.0	1.1	1.1	5.7	-4.3	5.5
Gross rental value of farm housing	2.1	2.5	3.0	4.7	5.4	6.0	7.3	8.2	9.8	11.4	12.7
Less: Intermediate products purchased	18.0	22.2	29.1	50.1	50.7	55.2	58.4	65.5	78.4	84.0	89.0
Equals: Gross farm product	20.2	21.9	25.8	47.7	48.9	45.9	48.4	58.7	71.6	65.4	75.8
Less: Capital consumption allowances ⁴	3.7	4.2	5.9	8.5	10.1	11.1	12.6	14.2	16.3	18.8	20.8
Indirect business taxes	1.3	1.5	2.0	2.3	2.5	2.7	2.8	2.8	3.0	3.2	3.5
Plus: Subsidies to farm operators	.6	2.1	3.3	5	7	6	1.6	2.7	1.2	1.1	1.7
Equals: Income	15.8	18.4	21.2	37.4	37.0	32.7	34.8	44.4	53.4	44.4	53.2
CONSTANT (1972) DOLLARS											
Total value of farm output ¹	61.8	66.8	83.1	85.1	85.9	86.7	88.8	71.2	74.4	72.2	78.0
Farm marketings cash receipts ²	45.4	50.2	57.6	60.4	59.8	63.7	65.4	67.0	67.9	70.6	70.4
Farm products consumed ³	1.7	1.1	.8	1.0	1.0	1.0	.8	7	7	.6	.6
Change in farm inventories	3	1.2	4	-3	1.2	-1.8	-3	-	2.4	2.1	2.1
Gross rental value of farm housing	4.1	3.6	3.7	3.3	3.2	3.1	3.0	2.8	2.6	2.4	2.1
Less: Intermediate products purchased	22.7	27.1	32.0	33.3	32.3	34.6	36.5	38.6	40.3	38.0	37.6
Equals: Gross farm product	29.2	29.8	31.1	31.8	33.6	32.1	33.1	32.6	34.2	34.2	38.4

Represents zero. ¹Includes other farm income not shown separately. ²Includes net CCC loans. ³In households where raised. ⁴With capital consumption adjustment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*, and *Survey of Current Business*, July 1982.

NO. 1153. FARM BALANCE SHEET ASSETS: 1960 TO 1982

[As of January 1. Assets, excluding farm households, represent farm real estate less value of operators' dwellings; livestock; machinery less the personal use of automobiles and trucks; all crops; currency and demand deposits; and the net worth of farmer cooperatives.]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Total assets	Bil. dol.	172.8	305.5	271.3	419.6	442.5	510.2	589.6	655.3	781.8	904.6	963.3	983.6
Average—													
Per farm ¹	\$1,000	43.6	81.2	92.0	150.1	175.5	204.3	240.1	269.0	321.7	372.6	403.7	403.6
Per farm worker	\$1,000	23.7	33.8	59.3	97.2	100.7	117.2	134.4	157.6	197.5	239.7	264.5	(NA)

NA Not available. ¹1960-1974 based on 1960 census farm definition; beginning 1975, based on 1974 census farm definition. See text, p. 647.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual.

NO. 1164. FARM DEBT OUTSTANDING, BY TYPE OF LENDER: 1960 TO 1982

[In billions of dollars, except percent. As of Jan. 1. See also *Historical Statistics, Colonial Times to 1970*, series K 361-367 and K 376-380]

LENDER	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, prel.
Farm debt, total	34.8	35.8	52.0	74.1	81.8	90.9	102.7	118.3	126.5	166.5	175.2	184.9
Annual percent change ¹	7.1	8.2	7.6	8.7	10.4	11.0	13.0	16.2	14.4	16.1	10.5	11.2
Farm debt/asset ratio (percent)	11.8	15.1	18.8	15.5	18.2	15.7	15.5	16.2	15.6	15.6	16.1	17.9
Real estate debt	12.1	18.8	29.2	41.3	46.3	51.1	56.6	63.6	70.8	82.7	92.0	102.0
Federal land banks	2.3	3.7	6.7	10.9	13.4	16.0	18.5	21.4	24.6	29.6	35.9	43.6
Life insurance companies	2.8	4.3	5.7	6.0	6.3	6.7	7.4	8.8	10.5	12.2	12.9	13.1
Commercial and savings banks	1.5	2.4	3.5	5.5	6.0	6.3	6.8	7.8	8.6	8.6	8.7	8.4
Farmers Home Administration ²	7	1.3	2.3	3.0	3.2	3.4	3.7	4.0	4.1	7.1	7.7	8.7
Individuals and others ³	4.8	7.2	11.0	15.9	17.4	18.7	20.3	21.7	23.1	25.1	26.7	28.3
Non-real estate debt	12.7	17.9	23.8	32.9	35.5	39.8	46.1	55.6	65.7	75.8	83.1	92.8
Commercial and savings banks	4.8	7.0	10.3	17.2	18.2	20.2	23.3	25.7	26.3	31.0	31.6	32.9
Production credit associations ⁴	1.4	2.4	4.7	8.2	9.9	11.1	12.6	13.9	15.5	19.0	20.8	22.4
Farmers Home Administration	4	.8	.8	.9	1.0	1.8	1.9	3.1	5.8	9.0	11.8	14.5
Individuals and others ⁵	4.9	6.3	5.3	5.9	6.1	8.4	7.3	8.4	10.4	11.7	14.0	15.0
Commodity Credit Corporation	1.2	1.5	2.7	.8	.3	4	1.0	4.5	5.7	5.1	5.0	6.0

¹Annual change from prior year shown; for 1960, change from 1955. For explanation of average annual percent change, see Guide to Tabular Presentation. ²Includes direct and insured farm ownership, farm housing, soil and water and recreation loans secured by farm real estate. ³Includes seller and other individual financing of farm real estate sales and unclassified credit sources. ⁴Also includes Federal intermediate credit bank loans to financial groups other than production credit associations.

⁵Includes merchants and dealers, individuals, Small Business Administration, and all other unclassified credit sources.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual.

NO. 1165. CASH SOURCES AND USES OF FUNDS FOR THE FARM SECTOR: 1970 TO 1982

[In billions of dollars. Excludes funds from sale of real estate to nonfarm sector. Gross farm operating expenses have been deducted from gross farm income. Changes in the definition of "farm" starting in 1977 caused a significant reduction in the level of nonfarm income of farm firms.]

SOURCE AND USE	1970	1974	1975	1976	1977	1978	1979	1980	1981, prel.	1982, prel.
Total funds	39.9	73.3	88.3	74.5	66.9	66.1	78.8	93.3	98.4	97.7
Sources:										
Net cash farm and nonfarm income	37.6	65.1	60.3	63.5	55.7	68.1	77.2	76.5	77.8	60.0
Net flow of real estate loans	1.1	5.0	4.8	5.4	7.2	7.1	11.9	9.3	11.4	8.3
Net flow of non-real estate loans ¹	1.2	3.2	4.2	5.6	6.0	6.9	10.7	7.5	7.2	9.4
Uses:										
Personal consumption ²	28.3	49.4	44.8	45.7	38.2	48.8	61.8	58.6	62.5	61.4
Purchased capital	13.6	23.9	24.5	28.8	30.7	36.3	38.0	35.7	33.9	36.3
Purchases of real estate ³	4.1	8.6	8.8	10.8	10.4	11.3	13.2	11.6	11.5	11.3
Purchases of machinery and motor vehicles	4.9	8.2	8.7	10.0	10.6	12.7	14.3	13.2	11.1	12.1
Capital improvement to real estate assets	2.4	4.4	4.7	5.0	5.8	6.9	8.7	8.8	6.9	7.0
Other capital purchases ⁴	2.2	2.7	2.3	3.0	3.9	5.4	3.8	5.0	4.4	5.9

¹Excludes CCC loans. ²Includes other cash uses and nonfarm investment. ³Covers purchases from discontinuing proprietors. ⁴Includes net additions to household furnishings, commercial bank deposits and currency, and purchases of breeding livestock.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Agricultural Finance Outlook*, annual.

Farm Income and Expenses

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NO. 1166. FARM INCOME AND EXPENSES: 1960 TO 1981

[In billions of dollars, except as indicated. Minus sign (-) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 192, K 259-260, K 264-265, and K 326]

ITEM		1965	1970	1973	1974	1975		1977	1978	1979	1980	1981
Gross income from farming	38.9	46.5	58.7	98.8	98.0	101.0	102.0	108.8	127.2	151.3	150.8	166.8
Marketing, cash receipts	34.2	39.4	50.5	88.9	92.4	88.9	85.4	96.2	112.5	131.7	139.5	143.5
Crops	15.3	17.5	21.0	41.1	51.1	45.8	49.0	48.8	53.7	63.1	71.7	75.0
Livestock	19.0	21.9	29.5	45.8	41.3	43.1	46.3	47.6	58.8	68.6	67.8	68.5
Government payments	7	2.5	3.7	2.8	5	8	7	1.8	3.0	1.4	1.3	1.9
Value of home consumption	1.2	.8	.8	1.1	1.2	1.5	1.2	1.2	1.2	1.3	1.2	1.2
Rental value of dwellings	2.1	2.5	3.1	4.0	4.7	5.4	6.0	7.3	8.2	9.8	11.4	12.7
Other farm income	2	4	.8	.8	.8	1.0	1.0	1.2	1.2	1.5	1.6	1.9
Value of change in inventories	.4	1.0	(2)	3.4	1.6	3.4	2.4	1.0	1.1	5.6	4.3	5.5
Expenses of farm production	27.4	33.7	44.4	65.4	72.0	75.8	81.3	90.2	100.8	119.0	130.5	141.6
Operating expenses ¹	18.7	20.1	28.8	40.4	44.3	45.5	50.5	54.0	61.4	74.5	80.8	88.8
Feed purchased	4.6	5.7	8.0	13.2	14.5	12.9	14.4	14.0	14.5	17.8	18.6	18.9
Livestock purchased	2.5	2.9	4.3	8.1	5.1	5.0	5.9	7.1	10.2	12.7	10.5	8.9
Seed purchased ²	5	7	9	1.6	1.9	2.1	2.4	2.5	2.6	3.0	3.4	4.0
Fertilizer and lime	1.3	2.0	2.4	3.5	6.1	6.7	6.5	6.5	6.8	7.5	9.9	10.1
Repairs and maintenance ³	4.0	3.6	4.5	5.2	6.7	7.8	8.1	10.1	11.2	13.5	18.1	17.7
Miscellaneous ⁴	3.6	4.9	6.6	8.8	10.0	11.0	12.2	13.8	16.3	20.0	22.3	27.2
Depreciation ⁵	4.3	5.1	6.8	9.0	10.6	12.6	13.8	15.7	17.4	19.7	22.0	23.8
Taxes on farm property	1.5	1.9	2.6	2.9	3.1	3.2	3.5	3.7	3.6	3.9	4.2	4.5
Interest, farm mortgage debt	6	1.1	1.8	2.5	3.0	3.4	3.9	4.4	5.1	6.1	7.3	8.9
Wages paid hired farm labor	3.1	3.6	4.3	5.2	6.1	6.6	7.5	8.0	8.3	9.4	10.4	11.1
Net rent to nonoperator landlords	1.1	1.9	2.1	5.5	5.0	4.5	4.2	4.6	4.8	5.3	5.7	6.5
Net income of farm operators												
from farming	11.5	12.9	14.2	33.4	26.0	25.2	18.7	18.4	26.7	32.3	20.1	25.1
In constant (1987) dollars	13.0	13.7	12.2	25.1	17.8	15.7	10.8	10.2	13.6	14.9	8.2	9.2
Avg. income per farm ⁶ (dol.)	2,907	3,843	4,827	11,840	8,303	10,015	7,476	7,506	10,942	13,312	8,289	10,311

Z Less than \$50 million. ¹Excluding hired labor. ²Includes bulbs, plants, and trees. ³Includes expenditures for repairs and maintenance of farm buildings, petroleum fuel and oil, other motor-vehicle operations, and repairs on other machinery. ⁴Includes interest on non-real estate debt, pesticides, ginning, electricity and telephones (business share), livestock marketing charges, containers, milk hauling, irrigation, grazing, binding materials, tolls for sirup, horses and mules, harness and saddlery, miscellaneous hardware (incl. blacksmithing), veterinary services and medicines, net insurance premiums (crop, fire, wind, and hail), machine hire and custom work, miscellaneous livestock and poultry, small hand tools, dairy supplies, nursery and greenhouse, apary, and other miscellaneous. ⁵Includes other consumption of farm capital. ⁶1980-1974 based on 1969 census farm definition; beginning 1975, based on 1974 census definition. See text, p. 647.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual.

NO. 1167. PERSONAL INCOME OF THE FARM POPULATION: 1965 TO 1981

[In billions of dollars, except as indicated. Through 1974 based on 1969 census farm definition; beginning 1975 based on 1974 census definition. See text, p. 647. See *Historical Statistics, Colonial Times to 1970*, series K 258-259 and K 261-263, for data prior to revisions]

ITEM	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	
Net income of farm operators	12.9	14.2	33.4	26.0	25.2	18.7	18.4	26.7	32.3	20.1	25.1
Less: Net income of nonresident operators	2.0	2.2	5.2	4.1	3.8	2.9	2.9	4.4	5.3	3.3	4.1
Plus: Wages, salaries, and other labor income of workers ²	1.3	1.5	1.8	1.9	1.9	1.9	2.4	2.2	2.1	1.8	2.0
Less: Contributions of operators and workers to social insurance ³	2	4	7	7	7	7	8	9	1.0	1.0	1.1
Equals: Personal income of farm population from farm sources	12.0	13.1	29.2	23.1	22.7	16.8	17.1	23.6	28.1	17.6	21.8
Plus: Personal income of farm population from nonfarm sources	10.8	14.7	20.5	23.1	19.8	20.3	21.3	25.0	27.0	29.7	31.4
Equals: Personal income of farm population	22.8	27.8	49.6	46.2	42.5	37.2	38.4	48.6	55.1	47.3	53.3
Per capita personal income											
From all sources (dol.)	1,828	2,857	5,240	4,991	5,264	4,948	6,202	7,476	8,835	7,827	9,201
From farm sources (dol.)	968	1,348	3,079	2,486	2,807	2,251	2,768	3,530	4,502	2,916	3,770
From nonfarm sources (dol.)	860	1,509	2,160	2,495	2,457	2,695	3,434	3,946	4,333	4,912	5,431
Per capita disposable personal income											
Of farm population (dol.)	1,606	2,446	4,490	4,257	4,559	4,239	5,284	6,355	7,466	6,586	7,720
Of nonfarm population (dol.)	2,506	3,438	4,307	4,887	5,095	5,522	5,974	6,579	7,290	8,040	8,800
Percent farm of nonfarm	65.6	72.1	104.0	91.2	89.8	77.4	88.7	98.7	102.3	82.5	88.0

¹Income from farming; includes government payments. ²Farm residents only.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual.

NO. 1168. GOVERNMENT PAYMENTS TO FARMS BY PROGRAM, AND BY VALUE OF FARM SALES: 1960 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series K 326-329]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Total ¹	ML. dol.	708	2,463	3,717	807	784	1,819	3,030	1,378	1,286	1,832
Feed grain	ML. dol.	-	1,391	1,504	279	195	187	1,172	494	382	243
Wheat	ML. dol.	-	525	871	77	135	687	963	114	211	825
Cotton	ML. dol.	-	70	919	138	106	89	127	185	172	222
Conservation	ML. dol.	223	224	208	181	195	197	194	179	196	185
Soil Bank	ML. dol.	370	180	2	-	-	-	-	-	-	-
Sugar Act	ML. dol.	59	75	86	81	-	65	-	-	-	-
Wool	ML. dol.	51	18	49	-	-	-	-	-	-	35
Payments to farms with sales of:											
Less than \$2,500	ML. dol.	100	286	355	31	26	62	82	29	24	34
\$2,500-\$4,999	ML. dol.	81	208	227	18	16	39	59	25	23	34
\$5,000-\$9,999	ML. dol.	144	396	400	64	56	138	214	90	82	122
\$10,000-\$19,999	ML. dol.	159	627	571	103	89	215	317	126	112	165
\$20,000-\$39,999	ML. dol.	111	467	826	153	131	319	466	184	163	239
\$40,000-\$99,999	ML. dol.	77	310	708	209	187	463	752	333	309	462
\$100,000 to \$199,999	ML. dol.	-	-	266	96	94	238	449	225	218	332
\$200,000 and over	ML. dol.	30	147	264	133	135	345	691	363	355	544
Avg. payment per farm ²	Dollar	177	784	1,260	326	284	741	1,244	688	630	795
Farms with sales of—											
Less than \$2,500	Dollar	54	194	251	38	33	83	125	51	46	67
\$2,500-\$4,999	Dollar	131	451	631	57	50	124	188	78	66	101
\$5,000-\$9,999	Dollar	218	780	1,074	207	181	448	677	278	248	365
\$10,000-\$19,999	Dollar	320	1,351	1,855	328	288	711	1,073	438	393	578
\$20,000-\$39,999	Dollar	489	1,739	2,734	487	425	1,056	1,594	650	584	859
\$40,000-\$99,999	Dollar	858	2,480	4,305	662	578	1,435	2,167	884	793	1,168
\$100,000 to \$199,999	Dollar	-	-	7,331	1,012	864	2,194	3,313	1,351	1,213	1,786
\$200,000 and over	Dollar	1,304	4,083	15,153	2,737	2,394	5,941	8,977	3,663	3,269	4,842

- Represents zero. ¹Data by type of program include cropland adjustment beginning 1970, and miscellaneous programs beginning 1975, not shown separately. ²1960-1970 based on 1969 census definition; beginning 1975 based on 1974 census definition.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual.

NO. 1169. FARM INCOME—CASH RECEIPTS FROM FARM MARKETINGS: 1970 TO 1981

[Represents gross receipts from commercial market sales as well as net Commodity Credit Corporation loans. See also *Historical Statistics, Colonial Times to 1970*, series K 288-302]

ITEM	TOTAL MARKET SALES (mil. dol.)								PERCENT			
	1970	1975	1978	1977	1978	1979	1980	1981	1970	1975	1980	1981
Farm marketings	50,509	88,902	95,365	96,203	112,488	131,711	139,535	143,466	100.0	100.0	100.0	100.0
All crops	20,977	45,813	49,032	48,568	53,876	63,128	71,739	74,984	41.5	51.5	51.4	52.3
Cotton lint, seed	1,254	2,311	3,477	3,470	3,465	4,305	4,469	4,552	2.5	2.6	3.2	3.2
Tobacco	1,388	2,155	2,310	2,331	2,804	2,271	2,672	3,253	2.7	2.4	1.9	2.3
Food grains	2,542	8,195	7,112	6,055	5,839	9,047	10,385	12,399	5.0	9.2	7.4	8.6
Oilbearing crops	3,591	7,480	9,443	9,722	13,023	14,326	15,456	14,106	7.1	8.4	11.1	9.8
Feed crops	5,109	12,183	13,127	11,806	11,427	14,042	18,295	18,267	10.1	13.7	13.1	12.7
Vegetables ¹	2,814	5,346	5,231	5,809	5,941	6,452	7,023	8,407	5.6	6.0	5.1	5.9
Fruits, tree nuts ¹	2,071	3,563	3,714	4,803	5,784	6,467	8,575	8,542	4.1	4.0	4.7	4.8
Other ²	2,208	4,579	4,619	4,872	5,614	6,219	6,985	7,459	4.4	5.2	4.9	5.2
All livestock and products	29,532	43,089	46,323	47,635	58,610	68,584	67,796	68,483	58.5	48.5	48.6	47.7
Hogs	4,476	7,916	7,488	7,281	8,754	9,027	8,821	8,799	8.9	8.9	6.4	6.8
Cattle and calves	13,633	17,520	19,294	20,225	26,111	34,400	31,484	28,936	27.0	19.7	22.5	20.2
Sheep and lambs	334	396	393	366	453	474	469	411	7	4	3	3
Wool	67	54	73	77	76	91	93	104	1	1	1	1
Dairy products	6,527	9,923	11,426	11,752	12,509	14,859	16,605	18,106	12.9	11.2	11.9	12.6
Eggs	2,109	2,814	3,135	2,919	2,939	3,318	3,247	3,640	4.2	3.2	2.3	2.5
Broilers and farm chickens	1,564	3,063	3,050	3,235	3,845	4,189	4,432	4,760	3.1	3.4	3.2	3.3
Turkeys, other poultry ³	578	933	970	1,058	1,326	1,407	1,479	1,517	1.1	1.1	1.1	1.1
Other ⁴	254	480	482	702	797	1,019	1,086	1,210	5	5	8	8

¹Melons included with vegetables. ²Sugar crops, greenhouse and nursery products, forest products, legume and grass seeds, hops, mint, broom-corn, popcorn, hemp fiber and seed, and flax fiber. ³Ducks, geese, guineas, pigeons, quail, pheasants, and turkey hatching eggs. ⁴Mohair, honey, beeswax, bees, goats, rabbits, and fur animals.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual.

**NO. 1170. FARM INCOME—FARM MARKETINGS, 1975 TO 1981, AND PRINCIPAL COMMODITIES IN
ORDER OF MARKETING RECEIPTS, 1981, BY STATES**

(In millions of dollars. Cattle include calves; sheep include lambs; and greenhouse includes nursery. See table 1166)

STATE	FARM MARKETINGS			1981, pret.				State rank for total farm marketings and principal commodities in order of marketing receipts, 1981
	1975	1979	1980	Farm marketings			Gov- ern- ment pay- ments	
				Total	Crops	Livestock and products		
U.S....	68,902	131,711	139,535	143,466	74,984	68,483	1,832.2	Cattle, dairy products, corn, soybeans.
N.E.	1,117	1,448	1,488	1,614	551	1,063	8.0	
Maine	367	448	418	485	185	280	2.3	40—Potatoes, eggs, dairy prod., apples.
N.H.	74	95	97	97	27	70	7	48—Dairy prod., eggs, greenhouse, apples.
Vt.	231	355	379	386	30	366	1.6	42—Dairy prod., cattle, maple prod., eggs.
Mass.	204	253	263	294	157	137	8	45—Dairy prod., greenhouse, cranberries, eggs.
R.I.	27	31	32	34	20	14	2	49—Greenhouse, dairy prod., eggs, potatoes.
Conn.	214	266	310	326	142	188	4	44—Dairy prod., eggs, greenhouse, tobacco.
N.A.	3,486	5,141	5,861	6,086	1,956	4,130	20.3	
N.Y.	1,552	2,241	2,551	2,721	845	1,876	6.9	24—Dairy prod., cattle, greenhouse, apples.
N.J.	326	414	435	459	353	106	1.5	41—Greenhouse, dairy prod., soybeans, tomatoes.
Pa.	1,600	2,486	2,875	2,906	758	2,148	11.9	17—Dairy prod., cattle, eggs, mushrooms.
E.N.C.	15,037	20,941	24,366	25,418	12,804	10,613	135.4	
Ohio	2,551	3,370	4,182	3,450	2,021	1,429	24.1	13—Soybeans, corn, dairy prod., cattle.
Ind.	2,945	3,980	4,717	4,318	2,616	1,702	27.9	9—Corn, soybeans, hogs, cattle.
Ill.	5,213	6,967	7,971	7,846	5,420	2,226	49.2	4—Corn, soybeans, hogs, cattle.
Mich.	1,857	2,321	2,788	2,789	1,678	1,111	17.3	22—Dairy prod., corn, dry beans, cattle.
Wis.	2,671	4,303	4,717	5,218	1,089	4,146	16.9	8—Dairy prod., cattle, corn, hogs.
W.M.C.	24,211	36,927	38,659	39,311	18,726	20,586	796.8	
Minn.	3,865	5,537	6,603	6,912	3,522	3,390	79.1	5—Dairy prod., corn, soybeans, cattle.
Iowa	6,526	9,260	10,490	10,715	4,990	5,725	58.2	2—Corn, cattle, hogs, soybeans.
Mo.	2,857	4,281	4,180	4,224	1,910	2,314	105.4	11—Cattle, soybeans, hogs, dairy prod.
N. Dak.	1,940	2,330	2,510	2,803	2,209	594	130.7	20—Wheat, cattle, sunflower, barley.
S. Dak.	1,993	2,322	2,706	2,789	824	1,865	90.7	21—Cattle, wheat, hogs, dairy prod.
Nebr.	3,880	5,919	6,466	6,376	2,865	3,521	101.0	6—Cattle, corn, hogs, wheat.
Kans.	3,371	6,306	5,724	5,482	2,315	3,177	231.8	7—Cattle, wheat, sorghum grain, hogs.
S.A.	10,150	14,036	14,359	16,082	5,266	6,786	89.0	
Del.	267	380	339	363	121	272	1.8	43—Broilers, soybeans, corn, dairy prod.
Md.	662	899	930	1,081	364	697	3.0	35—Broilers, dairy prod., corn, soybeans.
Va.	983	1,319	1,450	1,644	733	911	10.8	32—Dairy prod., tobacco, cattle, broilers.
W. Va.	136	232	232	218	54	163	3.0	46—Cattle, dairy prod., broilers, apples.
N.C.	2,626	3,401	3,594	4,236	2,951	1,585	15.5	10—Tobacco, broilers, hogs, soybeans.
S.C.	809	1,047	1,147	1,118	719	399	15.9	34—Tobacco, soybeans, dairy prod., eggs.
Ge.	2,141	2,931	2,992	3,346	1,608	1,740	38.0	16—Broilers, peanuts, eggs, hogs.
Fla.	2,504	3,846	3,875	4,046	3,017	1,029	11.0	12—Oranges, greenhouse, cattle, dairy prod.
E.S.C.	5,213	8,264	8,823	9,083	4,789	4,326	75.8	
Ky.	1,439	2,256	2,751	2,783	1,424	1,359	14.3	23—Tobacco, cattle, horses and mules, dairy prod.
Tenn.	1,116	1,798	1,757	1,836	897	839	20.7	26—Soybeans, dairy prod., cattle, tobacco.
Ala.	1,340	2,074	1,888	2,228	965	1,264	21.4	27—Broilers, cattle, soybeans, eggs.
Miss.	1,318	2,136	2,229	2,246	1,383	864	19.6	28—Cotton lint, soybeans, broilers, cattle.
W.S.C.	11,043	18,121	17,931	18,140	8,822	9,318	501.3	
Ark.	2,126	3,082	3,063	3,436	1,825	1,611	40.1	14—Broilers, rice, soybeans, cattle.
La.	1,131	1,663	1,627	1,714	1,281	462	15.4	30—Soybeans, rice, cotton lint, dairy prod.
Okla.	1,876	3,335	3,187	2,855	1,024	1,832	124.5	18—Cattle, wheat, dairy prod., cotton lint.
Tex.	5,910	10,041	9,164	10,136	4,712	5,423	321.3	3—Cattle, cotton lint, wheat, sorghum grain.
Mt.	8,866	10,735	11,042	10,783	4,806	5,877	216.3	
Mont.	1,080	1,391	1,405	1,483	854	629	85.1	33—Wheat, cattle, barley, sugar beets.
Idaho	1,280	1,822	2,047	2,278	1,322	956	29.5	25—Cattle, potatoes, wheat, dairy prod.
Wyo.	376	720	666	616	153	463	10.7	37—Cattle, sugar beets, wheat, hay.
Colo.	1,929	3,208	3,207	3,085	1,073	2,012	47.6	16—Cattle, wheat, corn, dairy prod.
N. Mex.	726	1,128	1,196	843	301	542	28.0	36—Cattle, dairy prod., hay, wheat.
Ariz.	1,038	1,736	1,725	1,707	979	727	5.9	31—Cattle, cotton lint, dairy prod., wheat.
Utah	326	513	580	555	142	413	7.8	38—Cattle, dairy prod., hay, wheat.
Nev.	131	219	236	216	61	135	3.7	47—Cattle, hay, dairy prod., potatoes.
Pac.	11,777	17,086	18,404	18,961	13,178	5,781	81.1	
Wash.	1,887	2,132	2,642	2,865	1,969	896	37.3	18—Wheat, dairy prod., cattle, apples.
Oreg.	1,046	1,566	1,583	1,715	1,143	571	19.3	29—Cattle, dairy prod., greenhouse, potatoes.
Calif.	8,474	12,984	13,721	13,896	9,675	4,221	23.4	1—Dairy prod., cattle, grapes, greenhouse.
Alaska	10	12	11	13	8	5	4	50—Greenhouse, dairy prod., hay, potatoes.
Hawaii	380	422	447	472	383	88	7	39—Sugar cane, pineapples, greenhouse, dairy prod.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Income and Balance Sheet Statistics*, annual.

**NO. 1171. FARM INCOME—GROSS AND NET FARM INCOME AND DEBT/ASSET RATIO, BY STATES:
1975 TO 1981**

(Farm income data are before inventory adjustment. Includes farm households)

DIVISION AND STATE	GROSS FARM INCOME (mil. dol.)				NET FARM INCOME (mil. dol.)				DEBT/ASSET RATIO (percent)			
	1975	1976	1980	1981	1975	1976	1980	1981	1975	1976	1980	1981
U.S.	97,604	146,707	154,902	161,228	21,847	26,784	24,417	19,589	16.3	15.6	15.8	16.1
NE	1,334.5	1,663.3	1,715.8	1,843.8	278.0	278.0	196.3	220.5	(NA)	(NA)	(NA)	(NA)
Maine	392.7	488.3	459.5	507.6	77.8	84.5	9	26.4	18.3	19.4	21.6	22.8
N.H.	87.7	117.8	120.5	121.4	13.5	12.9	4.7	.8	11.5	9.4	10.3	10.6
Vt.	260.2	394.9	423.1	443.7	51.1	91.3	81.0	70.7	17.6	14.4	14.7	15.1
Mass.	228.2	320.7	332.7	366.4	36.0	48.1	31.8	45.2	13.5	13.8	15.7	16.3
R.I.	30.3	36.1	37.9	39.8	8.8	8.8	4.8	4.7	10.7	6.9	8.1	8.7
Conn.	235.4	295.7	342.1	361.9	41.9	54.4	73.1	72.7	13.8	10.9	13.1	13.4
NEA	4,373.2	5,819.8	6,391.8	6,863.3	1,033.7	1,068.6	921.8	886.1	(NA)	(NA)	(NA)	(NA)
N.Y.	2,164.9	2,498.3	2,814.6	3,016.4	839.9	378.2	403.9	325.4	15.1	19.1	20.8	22.2
N.J.	388.7	488.2	483.9	532.0	63.1	77.9	59.0	60.3	12.8	10.1	10.9	12.6
Pa.	1,841.6	2,834.3	3,083.1	3,334.9	330.7	600.5	465.0	480.4	11.7	11.3	11.9	13.5
ENC	16,787.7	24,176.4	27,887.0	27,425.4	2,208.4	4,192.6	5,382.3	3,318.6	(NA)	(NA)	(NA)	(NA)
Ohio	2,890.4	4,032.7	4,920.3	4,230.8	524.5	801.3	1,008.8	267.1	12.7	12.0	12.0	12.8
Ind.	3,328.8	4,743.3	5,578.6	5,281.8	884.5	885.7	1,131.1	849.5	15.3	14.5	14.4	14.6
Ill.	5,717.7	7,844.1	9,030.9	8,807.3	864.7	1,111.7	1,643.2	757.1	12.4	11.3	11.7	12.1
Mich.	1,871.7	2,685.0	3,136.8	3,231.8	436.8	417.0	492.8	338.5	16.4	17.6	18.1	18.1
Wis.	2,979.1	4,790.3	5,270.4	5,873.9	719.9	1,198.9	1,108.4	1,304.4	18.2	17.0	17.5	17.8
WNC	26,127.4	39,385.8	42,486.1	43,808.1	5,823.5	6,458.2	6,556.8	5,447.0	(NA)	(NA)	(NA)	(NA)
Minn.	4,244.0	6,236.0	7,410.8	7,673.0	1,059.7	1,318.0	1,683.9	1,589.3	16.5	17.7	18.1	17.1
Iowa	6,976.2	10,148.9	11,437.6	11,815.2	1,233.6	1,190.2	1,574.6	1,591.6	16.0	15.2	15.3	15.4
Mo.	2,965.9	4,736.5	4,738.4	4,874.6	820.2	1,108.4	732.1	398.9	15.3	14.7	14.1	14.5
N. Dak.	2,069.2	2,568.3	2,688.9	3,200.4	649.1	498.9	675.2	586.5	12.1	14.7	15.3	16.2
S. Dak.	2,122.9	2,541.0	2,980.2	3,075.5	713.3	375.8	567.2	481.8	16.9	16.7	20.3	20.1
Nebr.	4,098.7	6,349.7	6,874.1	6,880.2	826.6	690.4	707.7	283.9	19.8	18.9	18.9	19.1
Kans.	3,610.5	6,757.4	6,174.1	6,110.2	621.0	1,276.5	616.1	575.0	15.9	17.3	16.8	17.7
SA	11,175.3	15,586.9	16,078.0	17,897.7	3,138.8	3,431.8	2,868.2	2,742.8	(NA)	(NA)	(NA)	(NA)
Del.	279.7	378.8	360.5	417.4	89.5	98.4	53.9	77.6	12.7	12.7	14.0	15.5
Md.	761.9	1,018.9	1,061.1	1,239.8	182.1	185.1	129.2	159.0	13.0	11.7	11.2	11.4
Va.	1,181.2	1,603.1	1,781.4	1,984.7	211.0	166.3	161.2	144.5	11.9	12.4	12.9	13.6
W. Va.	190.2	316.6	330.6	328.9	8.5	19.0	8	9	9.1	8.9	8.4	8.6
N.C.	2,915.3	3,626.3	4,063.6	4,780.9	963.2	911.7	845.1	1,104.9	12.8	15.0	16.0	17.0
S.C.	905.3	1,179.8	1,268.6	1,286.7	184.2	147.3	108.5	12.6	13.4	16.4	17.1	18.7
Ga.	2,330.1	3,209.2	3,027.4	3,823.0	517.5	569.0	125.4	309.7	17.2	19.6	21.0	23.4
Fla.	2,631.6	4,037.1	4,164.6	4,278.3	982.8	1,334.1	1,145.1	933.7	15.9	14.6	14.6	14.6
ESC	6,980.6	9,465.9	9,962.8	10,803.4	1,160.0	2,033.3	1,886.7	1,188.2	(NA)	(NA)	(NA)	(NA)
Ky.	1,877.1	2,661.5	3,182.1	3,247.8	375.5	638.6	909.2	824.9	17.4	12.5	13.3	13.9
Tenn.	1,319.8	2,108.0	2,103.5	2,218.2	183.5	322.4	128.1	37.3	16.2	16.3	16.9	17.4
Ala.	1,500.5	2,314.9	2,174.8	2,548.0	343.0	560.3	250.1	382.2	14.1	15.8	15.0	15.7
Miss.	1,483.2	2,371.5	2,502.4	2,581.4	248.0	511.8	408.3	133.9	16.7	17.2	17.7	17.3
WSC	12,085.5	18,880.1	18,810.7	20,277.2	2,705.0	3,648.4	2,008.8	1,410.8	(NA)	(NA)	(NA)	(NA)
Ark.	2,293.6	3,388.4	3,406.2	3,817.5	603.6	739.7	526.7	555.4	17.7	16.3	15.9	16.1
La.	1,237.9	1,845.1	1,826.1	1,957.1	360.2	434.2	189.0	83.4	14.1	14.6	14.8	14.7
Okla.	2,060.1	3,627.8	3,504.8	3,326.5	364.2	627.0	393.2	1.0	17.2	16.4	15.9	17.0
Tex.	6,473.9	11,000.8	10,061.6	11,176.1	1,267.0	1,845.5	897.9	790.8	14.9	13.4	12.6	13.1
MT	7,433.8	11,721.3	12,180.3	12,083.3	1,567.8	1,808.8	1,357.5	1,108.8	(NA)	(NA)	(NA)	(NA)
Mont.	1,184.6	1,580.1	1,638.5	1,759.5	246.8	98.0	40.1	.8	17.2	15.9	16.0	16.6
Idaho	1,389.4	2,016.9	2,250.8	2,517.4	325.3	325.8	344.1	504.8	19.0	18.5	19.1	19.1
Wyo.	423.5	705.0	743.4	711.3	43.4	106.5	43.7	1.2	17.9	14.0	14.8	14.9
Colo.	2,053.7	3,403.2	3,439.1	3,337.5	467.2	416.0	311.7	379.4	19.7	21.2	21.2	20.3
N. Mex.	792.2	1,243.8	1,337.4	1,001.0	196.6	148.2	264.1	1.0	15.3	12.1	10.7	10.5
Ariz.	1,101.0	1,840.6	1,847.4	1,838.5	386.1	386.1	241.4	171.0	14.8	13.3	12.6	13.2
Utah	386.0	588.1	662.6	689.0	51.9	90.3	79.4	40.9	13.0	11.6	9.4	9.4
Nev.	143.4	245.6	268.9	249.1	18.6	40.0	33.0	7.8	15.9	12.9	11.4	12.0
Pac	12,426.1	18,155.8	19,882.2	20,388.8	2,997.9	4,086.8	4,080.9	3,255.8	(NA)	(NA)	(NA)	(NA)
Wash.	2,009.7	2,433.6	2,990.3	3,256.7	670.1	390.7	672.7	545.6	17.4	17.2	18.7	17.4
Oreg.	1,173.0	1,784.0	1,693.0	2,002.1	232.5	294.9	226.5	210.2	16.6	17.5	16.9	19.5
Calif.	6,828.9	13,482.2	14,325.7	14,595.3	1,952.8	3,327.4	3,137.5	2,461.0	22.6	21.5	21.4	19.7
Alaska	10.5	14.3	13.6	15.9	3.4	3.7	5	1	23.5	2.7	4.8	12.9
Hawaii	404.0	441.7	469.4	496.8	139.1	70.1	23.7	36.9	5.9	6.3	6.5	7.2

NA Not available. *Data for some States have been revised; consequently addition of States will not equal U.S. total.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Income and Balance Sheet Statistics*, annual.

NO. 1172. INDEXES OF PRICES RECEIVED AND PAID BY FARMERS: 1960 TO 1981

[1977 = 100, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series K 344-353]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Prices received, all products	82	84	88	88	98	105	101	102	118	132	134	138	138
Crops	51	59	52	60	91	117	105	102	105	116	125	134	134
Livestock and products	53	54	87	77	104	94	98	101	124	147	144	143	143
Prices paid, total ¹	44	47	55	52	71	81	88	85	108	123	130	150	150
Production	48	48	54	52	73	85	91	87	108	125	138	149	149
Interest payable per acre	19	22	36	46	54	65	76	87	118	141	168	195	195
Taxes payable per acre	37	45	68	75	77	81	87	94	100	107	117	124	124
Wage rates ²	33	38	57	53	69	79	85	93	107	118	127	136	136
Parity ratio (1910-14 = 100) ³	80	76	72	74	81	86	76	71	78	71	85	81	81

¹Includes production items, interest, taxes, wage rates, and a family living component. The family living component is the Consumer Price Index for all urban consumers from the Bureau of Labor Statistics. See text, pp. 451 and 452, and table 757. ²Straight average of seasonally adjusted indexes. ³Ratio of prices received by farmers to prices paid.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Agricultural Prices: Annual Summary*.

NO. 1173. INCOME PER FARM, BY VALUE OF SALES: 1975 TO 1981

[In thousands of dollars. Net income data are before inventory adjustment. Minus sign (-) denotes loss. See also footnote 1, table 1174]

VALUE OF SALES	1975			1979			1980			1981		
	Total	Off-farm	Net	Total	Off-farm	Net	Total	Off-farm	Net	Total	Off-farm	Net
Total, all farms	18.2	9.5	6.7	24.9	11.8	11.0	25.1	15.1	10.0	24.2	14.2	8.0
Less than \$2,500	11.6	12.2	-.6	18.2	19.0	-.8	18.8	20.8	-.9	21.4	22.4	1.0
\$2,500-\$4,999	11.2	12.2	-1.0	18.1	18.8	-.8	19.6	20.7	-1.1	20.8	22.2	-1.4
\$5,000-\$9,999	10.9	10.2	7	15.7	15.6	1	15.6	17.1	-5	17.4	18.4	1.0
\$10,000-\$19,999	10.8	7.9	2.9	13.1	12.0	1.1	13.1	13.1	-	13.0	14.0	1.0
\$20,000-\$39,999	12.9	5.8	7.1	12.1	8.7	3.4	10.7	9.5	1.2	8.3	10.2	-.9
\$40,000-\$99,999	21.2	5.1	16.1	19.3	7.3	12.0	15.8	8.0	7.8	12.4	8.5	3.8
\$100,000 or more	108.7	8.1	98.6	63.3	11.7	51.6	89.5	12.8	76.7	80.6	13.8	65.8

- Represents zero.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual.

NO. 1174. FARMS, FARM INCOME, AND ASSETS, BY VALUE OF SALES: 1980 AND 1981

[Minus sign (-) denotes loss]

FARMS WITH VALUE OF SALES OF—	Number of farms ¹ (1,000)	Gross income ² (bil. dol.)	Cash receipts ² (bil. dol.)	Net income ² (bil. dol.)	Assets ⁴ (bil. dol.)	Debt to asset ratio (per cent)	PERCENT DISTRIBUTION			
							Number of farms ¹	Gross income ²	Net income ²	Assets ⁴
1980: Less than \$2,500	525	3.0	7	5	54.0	11.6	21.6	1.9	-1.9	5.4
\$2,500-\$4,999	329	2.8	1.4	4	41.7	12.0	13.6	1.8	1.5	4.2
\$5,000-\$9,999	332	4.2	2.7	2	54.3	12.5	13.7	2.7	7	5.4
\$10,000-\$19,999	286	5.9	4.6	-	68.0	13.4	11.8	3.8	-	6.8
\$20,000-\$39,999	279	10.3	9.0	3	103.9	14.2	11.5	6.7	1.3	10.3
\$40,000-\$99,999	389	29.6	27.3	3.1	242.6	14.8	16.0	19.1	12.5	24.2
\$100,000-\$199,999	180	28.4	27.1	4.2	183.5	15.8	7.4	18.3	17.2	19.3
\$200,000 or more	108	70.7	69.5	17.9	248.6	20.5	4.4	45.7	73.1	24.5
1981: Less than \$2,500	511	3.2	7	5	56.6	11.8	21.0	2.0	-2.6	5.2
\$2,500-\$4,999	332	3.0	1.4	5	45.1	12.2	13.6	1.8	-2.4	4.1
\$5,000-\$9,999	335	4.4	2.8	3	58.7	12.7	13.8	2.7	1.7	5.4
\$10,000-\$19,999	286	6.1	4.7	3	72.5	13.6	11.7	3.8	-1.5	6.6
\$20,000-\$39,999	278	10.5	9.0	2	110.2	14.4	11.4	8.5	-1.2	10.1
\$40,000-\$99,999	386	30.5	28.0	1.5	263.1	15.1	16.3	19.0	7.7	24.1
\$100,000-\$199,999	186	29.7	28.1	2.9	213.1	16.0	7.6	18.4	15.1	19.5
\$200,000 or more	112	73.8	72.6	17.0	271.7	20.7	4.6	46.8	86.6	24.9

- Represents zero or rounds to zero. ¹Based on 1974 census definition. See text, pp. 647 and 648. ²Data are before inventory adjustment. For components of income, see table 1185. ³Includes government payments and other farm income.

⁴Data as of January 1. Includes farm households.Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual.

No. 1175. FARM INCOME AND EXPENSES BY SELECTED CHARACTERISTICS OF FARM: 1979

[See headnote, table 1151]

CHARACTERISTIC OF FARM	AMOUNT (mil. dol.)						PERCENT DISTRIBUTION			
	Value of agri. products sold	Rent ¹	Value of contractor's share ²	Operating ex-penses	Net cash farm income	Off-farm income	Value of agri. products sold	Operating ex-penses	Net cash farm income	Off-farm income
Total ³	122,751	16,086	9,978	77,273	27,228	32,754	100.0	100.0	100.0	100.0
Full owners.....	46,325	1	7,123	28,703	11,748	22,080	37.7	37.1	43.1	67.4
Part owners.....	60,034	7,114	2,270	39,058	12,695	7,892	48.9	50.5	46.6	24.1
Tenants.....	16,392	3,781	585	9,512	2,785	2,782	13.4	12.3	10.2	8.5
Individual or family.....	74,606	7,590	5,593	45,684	17,593	29,075	60.8	59.1	64.6	88.8
Partnership.....	19,426	2,166	802	12,276	4,627	2,628	15.8	15.9	17.0	8.0
Corporations.....	28,106	1,103	3,551	18,906	4,860	960	22.9	24.5	17.8	2.9
Under 50 acres.....	10,641	189	2,306	6,179	2,252	11,419	8.7	8.0	8.3	34.9
50-179 acres.....	18,827	750	3,121	11,168	4,252	10,970	15.3	14.5	15.6	33.5
180-499 acres.....	33,876	3,457	2,491	20,530	8,020	6,145	27.6	26.6	29.5	18.8
500-999 acres.....	22,624	2,974	948	14,026	5,082	1,938	18.4	18.2	18.7	5.9
1,000 acres or more.....	36,783	3,526	1,112	25,370	7,622	2,281	30.0	32.8	28.0	7.0

¹Covers cash rent paid plus landlords' share of the value of agricultural products sold.

²Value of contractor's share of production contracts. Represents total market value of products produced under contract minus the amount paid to the producer.

³Includes other type of organization, not shown separately.

No. 1176. CAPITAL PURCHASES AND OPERATING EXPENSES BY FARM CHARACTERISTICS: 1979

[Covers purchases and expenses of farm operators only. See headnote, table 1151]

CHARACTERISTIC OF FARM	TOTAL			CAPITAL PURCHASES			OPERATING EXPENSES		
	Total (mil. dol.)	Percent paid in cash	Percent financed	Total (mil. dol.)	Percent paid in cash	Percent financed	Total (mil. dol.)	Percent paid in cash	Percent financed
Total.....	107,506	69.9	30.1	30,233	47.6	52.4	77,273	78.6	21.4
Full owners.....	39,319	76.7	23.3	10,617	55.1	44.9	28,703	84.7	15.3
Part owners.....	55,943	65.1	34.9	16,885	42.3	57.7	39,058	74.9	25.1
Tenants.....	12,243	69.9	30.1	2,732	51.5	48.5	9,512	75.2	24.8
Individual or family.....	68,197	68.2	31.8	22,514	47.0	53.0	45,684	78.6	21.4
Partnership.....	16,764	70.0	30.0	4,488	46.8	53.2	12,276	76.5	21.5
Corporations.....	22,060	74.6	25.4	3,154	52.7	47.3	18,906	78.2	21.8
Other.....	485	87.8	12.2	77	64.9	35.1	408	92.2	7.8
Under 50 acres.....	8,410	80.3	19.7	2,231	53.9	46.1	6,179	89.9	10.1
50-179 acres.....	16,430	74.0	26.0	5,262	49.1	50.9	11,168	85.8	14.2
180-499 acres.....	29,008	72.6	27.4	8,478	48.7	51.3	20,530	82.5	17.5
500-999 acres.....	19,673	67.3	32.7	5,647	46.5	53.5	14,026	75.7	24.3
1,000 acres or more.....	33,985	64.4	35.6	8,615	44.8	55.2	25,370	71.1	28.9

No. 1177. CAPITAL PURCHASES AND OPERATING EXPENSES BY METHOD OF PAYMENT: 1979

[Covers purchases and expenses of farm operators only. See headnote, table 1151]

TYPE	AMOUNT (mil. dol.)			PERCENT DISTRIBUTION		
	Total	Paid in cash	Fi-nanced	Total	Paid in cash	Fi-nanced
Total.....	¹ 107,506	75,106	¹ 32,400	¹ 100.0	69.9	¹ 30.1
Capital purchases.....	30,233	14,396	15,837	100.0	47.6	52.4
Land, incl. buildings.....	7,954	2,192	5,762	100.0	27.6	72.4
Land and irrigation improvements.....	1,791	1,222	569	100.0	68.2	31.8
Buildings and structures.....	4,701	2,125	2,577	100.0	45.2	54.8
Tractors and machinery.....	8,515	4,661	3,854	100.0	54.7	45.3
Trucks and autos.....	3,224	2,109	1,115	100.0	65.4	34.6
Breeding livestock, dairy cows, heifers.....	3,267	1,609	1,659	100.0	49.3	50.7
All other.....	780	479	301	100.0	61.4	38.6
Operating expenses.....	77,273	60,710	16,563	100.0	78.6	21.4
Feed purchased.....	15,398	12,800	2,597	100.0	83.1	16.9
Livestock and poultry ²	11,789	6,306	5,482	100.0	53.5	46.5
Fertilizer purchased.....	8,162	6,086	2,095	100.0	74.3	25.7
Hired and contract labor.....	9,008	7,999	1,009	100.0	88.8	11.2
Fuel purchased.....	5,540	4,712	827	100.0	85.1	14.9
All other.....	27,376	22,825	4,551	100.0	83.4	16.6

¹Includes funds borrowed for unspecified purposes, not shown separately.

²Excludes breeding stock, dairy cows and heifers purchased.

Source of tables 1175-1177: U.S. Bureau of the Census, 1978 Census of Agriculture, volume 5, Special Reports, part 8, 1979 Farm Finance Survey.

NO. 1178. COMMODITY CREDIT CORPORATION—SUMMARY: 1960 TO 1981

In millions of dollars. Through 1976, as of or for years ending June 30; beginning 1977, as of or for years ending Sept. 30. The Commodity Credit Corporation (CCC) is a wholly government-owned corporation established by Congress in 1933. Its purpose is stabilizing, supporting, and protecting farm income and prices; assisting in maintenance of balanced adequate supplies of agricultural commodities; and facilitating orderly distribution of agricultural commodities. See also *Historical Statistics, Colonial Times to 1970*, series K 330-343]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Loans made	1,507	2,144	2,388	1,580	1,258	852	1,131	3,621	6,385	4,576	4,228	5,849
Loans outstanding ¹	1,347	2,534	2,952	1,418	720	335	837	3,245	5,030	5,210	5,119	5,193
Wheat	183	136	578	77	10	4	24	1,814	1,318	816	837	1,871
Corn	846	616	632	451	115	39	81	239	1,280	1,301	1,817	629
Cotton	9	775	170	28	34	143	24	13	153	80	35	78
Tobacco	417	826	845	481	280	119	353	852	751	903	815	764
Storage facilities, equipment ²	45	40	184	274	271	199	157	236	799	1,324	1,470	1,403
Cost of acquisitions ^{1,3}	4,020	2,005	1,518	578	402	835	657	997	911	1,007	2,759	2,506
Wheat	371	189	217	58	130	4	14	72	135	40	801	28
Corn	381	140	49	43	6	2	5	2	31	195	416	21
Cotton	2,507	952	304	(2)	(2)	(2)	(2)	(2)	(2)	(2)	1	(2)
Dairy products	223	325	253	180	55	480	115	721	445	247	1,282	1,981
Wheat flour and products	79	124	109	140	177	123	80	89	112	149	124	161
Vegetable oil products	-	18	28	58	67	44	(2)	24	50	117	136	161
Commodities owned ^{1,5}	6,021	3,892	1,858	479	114	418	659	985	1,028	1,182	2,737	3,727
Wheat	2,452	1,267	405	194	26	2	(2)	23	119	118	705	679
Corn	1,700	586	263	99	11	(2)	1	(2)	27	209	596	555
Cotton	880	1,123	225	1	-	(2)	-	(2)	(2)	(2)	1	1
Dairy products	107	137	134	65	25	290	259	703	751	570	1,286	2,395
Sorghum	731	648	173	14	2	(2)	(2)	(2)	28	92	93	79
Sales and donations, cost ²	3,234	2,458	902	1,190	788	530	457	640	695	901	1,216	1,537
Other expenses ²	529	393	289	131	34	34	35	48	62	100	224	290

- Represents zero. Z Less than \$500,000. ¹Includes amounts for commodities not shown separately. ²Loans for purchase, construction, erection or installation of storage and drying equipment. ³Data comparable for 1960-1970; price support commodities only. Thereafter, includes Commodity Export and Special Activities programs. ⁴Value of commodities purchased and acquired as collateral from loans.

Source: U.S. Agricultural Stabilization and Conservation Service, *Commodity Credit Corporation Report of Financial Condition and Operations*, annual.

NO. 1179. FARMER MARKETING AND FARM SUPPLY COOPERATIVES—SUMMARY: 1960 TO 1980

1960-1977, for fiscal years of cooperatives ending between July 1 of preceding year and June 30 of year shown. Beginning 1978, reports of cooperatives are for the calendar year. Memberships and business are estimated. Compares independent local associations, federations, large-scale centralized associations, and sales agencies. See also *Historical Statistics, Colonial Times to 1970*, series K 195-203]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980, prel.
Cooperatives listed	9,345	8,583	7,790	7,755	7,845	7,535	8,738	8,600	8,445	8,289
Marketing ¹	8,048	5,498	5,015	4,977	4,918	4,804	4,143	4,050	3,938	3,824
Farm supply	3,297	3,085	2,775	2,778	2,729	2,731	2,593	2,550	2,507	2,369
Memberships ² (1,000)	7,273	7,082	6,355	6,108	6,123	5,906	5,758	5,895	5,827	5,379
Marketing ¹ (1,000)	3,673	3,831	3,133	3,133	3,151	2,850	2,692	2,632	2,567	2,574
Farm supply (1,000)	3,600	3,251	3,222	2,973	2,972	3,056	3,066	3,063	3,060	2,804
Business ³ (mil. dol.)	12,036	14,742	19,080	35,366	41,342	40,104	43,584	47,305	58,268	66,254
Marketing ¹ (mil. dol.)	9,628	11,832	15,207	27,602	32,682	30,692	33,027	36,253	42,747	50,120
Farm supply (mil. dol.)	2,408	2,910	3,873	7,764	8,660	9,412	10,557	11,052	13,521	16,134

SELECTED PRODUCTS OR SUPPLIES	COOPERATIVES HANDLING					BUSINESS ³ (mil. dol.)					
	1965	1970	1975	1978	1980, prel.	1965	1970	1975	1978	1979	1980, prel.
Products marketed:											
Grain, soybeans	2,596	2,539	2,470	2,488	2,434	2,485	3,008	12,744	13,088	14,948	17,790
Dairy products	1,346	971	530	495	487	3,770	5,126	8,376	9,826	11,582	13,886
Fruits and vegetables	592	469	415	405	400	1,232	1,778	2,730	3,378	3,925	4,209
Livestock and livestock products	479	546	485	449	449	1,433	2,154	2,614	3,743	5,141	5,637
Sugar products	87	66	55	48	46	530	834	2,085	1,173	1,209	1,712
Cotton and cotton products	581	554	485	473	470	630	434	935	1,067	1,436	1,860
Supplies purchased:											
Feed	4,363	4,214	3,810	3,796	3,613	1,035	1,279	2,587	2,865	3,189	3,544
Fertilizer	4,409	4,294	3,940	3,972	3,802	507	657	1,813	2,518	2,755	3,454
Petroleum products	2,773	2,774	3,045	3,082	2,921	643	864	1,675	2,674	3,827	5,069
Farm chemicals	3,329	3,721	3,785	3,877	3,697	82	166	502	650	948	1,048
Seed	3,962	4,007	3,740	3,805	3,620	121	142	337	408	456	495

¹Includes cooperatives whose major activity is providing services related to marketing and farm-supply activities. ²Excludes marketing patterns. ³Value of commodities sold or purchased for patrons. Business dollar volume for marketing includes service receipts for charges related to marketing and purchasing. Represents net volume after eliminating intercooperative business.

Source: U.S. Dept. of

Ag., Agricultural Cooperative Service, *Farmer Cooperative Statistics*, annual.

NO. 1180. FOOD MANUFACTURING INDUSTRY—SUMMARY: 1970 TO 1981

[Covers manufacturers of food and kindred products (Standard Industrial Classification Code 20); based on various editions of the Standard Industrial Classification Manual, see text, p. 372]

ITEM	Unit	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total employees ¹	1,000	1,786	1,715	1,707	1,658	1,689	1,711	1,724	1,733	1,708	1,674
Production workers	1,000	1,207	1,167	1,164	1,120	1,145	1,161	1,174	1,191	1,175	1,151
Avg. hourly earnings, prod. workers	Dollars	3.16	3.85	4.19	4.61	4.98	5.37	5.60	6.27	6.65	7.43
Salaries and wages	Bil. dol.	11.7	13.7	14.8	15.9	17.3	18.5	20.3	21.7	23.2	(NA)
Supplemental labor cost ²	Bil. dol.	(NA)	(NA)	(NA)	2.8	3.0	3.5	4.1	4.5	4.9	(NA)
Value added by manufacture ³	Bil. dol.	32.3	39.7	44.9	48.1	52.8	56.1	62.9	66.7	75.3	(NA)
Cost of materials	Bil. dol.	66.5	97.4	118.3	123.8	128.6	137.0	154.0	168.0	181.3	(NA)
Value of shipments ⁴	Bil. dol.	98.5	135.6	162.1	172.2	180.9	192.9	216.1	236.0	255.9	(NA)
Total assets	Bil. dol.	23.8	28.4	30.1	33.0	35.1	38.4	41.7	44.6	48.6	(NA)
Capital expenditures, new ⁵	Bil. dol.	2.1	2.4	3.0	3.4	3.8	4.2	4.8	5.0	5.9	(NA)
Funds for research and development ⁶	Mil. dol.	230	266	268	335	353	395	426	456	517	(NA)
Corporate profits before taxes ⁷	Bil. dol.	4.8	6.8	7.9	8.8	9.7	9.2	10.2	11.5	13.0	14.3
Corporate profits after taxes ⁷	Bil. dol.	2.6	3.6	4.8	5.2	5.8	5.8	6.2	7.3	8.2	9.1
Ratio of profits to stockholders' equity	Percent	10.8	12.8	13.8	14.4	14.9	13.3	13.8	14.7	14.7	14.0
Profits per dollar of sales	Cents	2.5	2.6	2.9	3.2	3.5	3.1	3.2	3.3	3.4	3.2

NA: Not available. ¹See headnote, table 687. Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. ²Employers' expenses for legally required labor supplements (e.g., Social Security) and for voluntary programs (e.g., pension funds). ³See footnote 6, table 1377. ⁴See footnote 7, table 1377. ⁵Includes expenditures for plants in operation and plants under construction but not yet in operation. ⁶Source: U.S. National Science Foundation, *Research and Development in Industry*, annual. ⁷Source: U.S. Federal Trade Commission, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. Data are not necessarily comparable from year to year due to change in accounting procedures, industry classifications, sampling procedures, etc., for detail, see source.

Source: Except as noted, U.S. Bureau of the Census, *Census of Manufactures, 1977, General Summary*, and *Annual Survey of Manufactures*.

NO. 1181. U.S. TOTAL FOOD AND ALCOHOL BEVERAGE EXPENDITURES, BY TYPE OF USE AND TYPE OF SELLER: 1960 TO 1981

[Covers all food and alcohol purchased by civilians and military, including businesses and institutions. Based on sales of food by different types of seller. Data are primarily based on current sales figures from the *Monthly Retail Trade Report* of the U.S. Bureau of the Census. For further detail, see source]

TYPE OF USE AND SELLER	EXPENDITURES (bil. dol.)									PERCENT		
	1960	1965	1970	1975	1977	1978	1979	1980	1981 ¹	1960	1970	1981 ¹
Total food expenditures	72.2	85.5	115.8	185.7	218.9	239.8	267.5	293.5	320.7	100.0	100.0	100.0
Food for off-premise use	53.0	68.9	77.0	118.8	134.9	148.4	165.2	182.9	200.6	73.4	86.5	82.8
Sales, total	49.4	56.6	73.5	114.6	129.3	142.4	158.8	176.0	192.5	68.4	83.5	60.1
Food stores ²	42.1	49.1	65.5	104.1	117.6	129.7	145.1	161.1	176.6	58.3	86.6	55.1
Other stores ³	2.0	2.3	2.4	4.1	5.5	6.1	6.6	7.6	8.2	2.8	2.1	2.6
Farmers, manufacturers, wholesalers	1.6	1.6	1.8	2.2	2.3	2.6	2.9	3.3	3.6	2.2	1.5	1.1
Commissary stores, exchanges	5	10	14	2.2	2.2	2.4	2.5	2.8	2.8	7	1.2	9
Home delivered ⁴	3.2	2.6	2.4	2.0	1.7	1.6	1.5	1.4	1.3	4.4	2.1	4
Home production, donations	3.8	3.3	3.5	5.2	5.6	6.0	6.4	6.9	6.1	5.0	3.0	2.5
Meals and snacks	19.2	25.5	38.6	65.9	82.0	91.4	102.9	110.6	120.1	26.6	33.5	37.4
Eating and drinking places ⁵	10.5	14.4	22.6	40.5	51.9	58.1	65.3	70.3	77.2	14.5	19.5	24.0
Schools and colleges ⁶	2.1	3.1	4.5	7.1	8.4	9.0	10.0	10.8	11.0	2.9	3.9	3.4
Retail stores, direct selling ⁷	1.7	2.2	3.3	5.1	5.9	6.3	6.9	7.5	7.9	2.4	2.9	2.5
Hotels and motels ⁸	1.1	1.4	1.8	3.1	4.0	4.8	5.8	6.0	6.6	1.5	1.8	2.1
Recreational places ⁹	4	5	7	1.4	1.8	2.0	2.3	2.7	2.8	6	.6	9
Other	3.4	4.0	5.8	6.7	10.0	11.2	12.2	13.4	14.4	4.7	5.0	4.5
Total alcoholic beverage sales	12.9	15.8	21.9	32.0	36.8	40.4	45.8	48.7	52.8	100.0	100.0	100.0
Off-premise use	7.2	9.0	12.9	19.4	22.2	23.8	26.6	28.6	31.1	55.6	58.9	58.9
Liquor stores	4.1	5.5	7.7	11.1	12.2	12.9	14.4	15.2	16.5	31.8	35.1	31.3
Food stores	2.4	2.9	4.2	6.7	8.0	8.7	9.8	10.8	11.8	18.6	19.2	22.3
Other	7	6	10	1.6	2.0	2.1	2.4	2.6	2.8	5.4	4.6	5.3
On-premise use	5.7	6.6	9.0	12.6	14.6	16.6	18.4	20.1	21.7	44.2	41.1	41.1
Eating and drinking places ⁵	5.0	5.7	7.7	10.4	11.9	13.4	14.7	16.1	17.3	38.6	35.2	32.6
Hotels and motels ⁸	4	5	.8	1.3	1.7	2.0	2.3	2.5	2.8	3.1	3.6	5.3
Other	.3	4	6	.9	1.0	1.2	1.4	1.5	1.6	2.3	2.3	3.0

¹Preliminary. ²Excludes sales to restaurants and institutions. ³Includes eating and drinking establishments and trailer parks. ⁴Includes mail order. ⁵Includes tips. ⁶Includes school food subsidies. ⁷Includes vending machine operators. ⁸Motion picture theaters, sports arenas, camps, golf and country clubs, etc.

Source: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Food Expenditures* (Agricultural Economic Report No. 431), 1979 and unpublished data.

Civilian Consumer Expenditures For Farm Foods

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NO. 1182. CIVILIAN CONSUMER EXPENDITURES FOR FARM FOODS—FARM VALUE AND MARKETING BILL: 1960 TO 1981

[In billions of dollars, except percent. Excludes imported and nonfarm foods, such as coffee and seafood, as well as food consumed by the military, or exported. See *Historical Statistics, Colonial Times to 1870*, series K 356-360 for data before revisions]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981, prel.
Consumer expenditures, total	86.9	81.1	110.6	166.0	183.7	192.3	214.3	241.2	260.8	284.5
Farm value, total	22.3	27.1	35.5	55.6	58.3	58.0	69.4	78.4	81.1	82.4
Marketing bill, total ¹	44.6	54.0	75.1	110.4	125.4	134.3	144.9	162.8	179.7	202.1
Percent of total consumer expenditures	66.7	66.6	68.0	67.1	68.4	69.8	67.7	67.5	68.9	71.0
At-home expenditures ²	50.0	60.5	78.0	116.7	126.6	130.7	149.8	170.7	179.5	193.7
Farm value	16.7	22.6	29.1	43.8	47.7	47.3	56.6	64.8	66.0	66.6
Marketing bill ¹	31.3	37.9	48.9	72.9	78.9	83.4	93.2	106.0	113.5	127.1
Percent of at-home expenditures	62.6	62.6	62.8	62.5	62.3	63.8	63.0	62.1	63.2	65.6
Away-from-home expenditures	16.9	20.6	32.6	52.3	57.1	61.6	64.5	70.4	81.3	90.7
Farm value	3.7	4.5	6.4	11.8	10.6	10.7	12.8	13.7	15.1	15.8
Marketing bill ¹	13.2	16.1	26.2	40.5	46.5	50.9	51.7	56.8	66.2	74.9
Percent of away-from-home expenditures	78.1	78.2	80.5	77.4	81.4	82.6	80.2	80.7	81.4	82.6
Marketing bill cost components										
Labor cost ³	19.7	23.3	32.2	48.7	53.7	58.4	65.3	73.8	80.7	90.7
Packaging materials	5.4	6.2	8.2	13.5	14.6	15.2	16.3	18.4	21.1	22.9
Rail and truck transport ⁴	4.1	4.2	5.2	8.5	9.1	9.8	10.3	11.6	12.7	14.1
Corporate profits before taxes	2.1	3.0	3.6	7.5	7.6	8.0	9.0	9.9	11.0	12.0
Fuels and electricity	13.3	17.3	22.2	4.6	5.0	5.8	6.2	7.6	9.0	10.9
Other ⁵	15.1	16.8	23.1	41.5	47.1	51.6	55.8	62.3	71.1	77.6
Processing	5.5	6.5	9.7	13.6	14.4	14.7	16.9	19.2	20.6	23.6
Wholesaling	4.1	4.3	5.2	8.5	9.1	9.8	10.3	11.6	12.7	14.1
Retailing	19.9	26.3	37.1	49.9	54.7	58.1	61.9	69.7	75.3	86.6
SELECTED FOOD COMMODITY GROUPS										
Beef: Total expenditures	10.0	13.0	18.9	28.7	33.8	34.0	42.3	47.3	49.2	53.1
Farm value	5.0	6.2	9.5	12.8	14.0	14.1	19.1	22.1	21.8	22.1
Percent of total	50.0	47.7	47.4	44.6	41.4	41.5	45.2	46.7	44.3	41.6
Marketing bill ¹	5.0	6.8	10.4	15.9	19.8	19.9	23.2	25.2	27.4	31.0
Pork: Total expenditures	7.2	8.0	12.4	16.9	18.7	20.2	21.6	27.4	26.6	29.6
Farm value	2.7	3.5	4.3	7.3	7.1	8.7	8.0	6.2	6.1	6.1
Percent of total	37.5	43.8	34.7	43.2	38.0	33.2	37.0	29.9	28.3	27.4
Marketing bill	4.5	4.5	8.1	9.6	11.6	13.5	13.6	19.2	20.5	21.5
Poultry and eggs										
Total expenditures	5.2	6.2	9.1	12.7	13.9	14.3	15.0	17.3	16.1	19.6
Farm value	2.9	3.1	4.0	6.3	6.6	6.6	7.4	8.1	8.3	8.8
Percent of total	55.9	49.5	44.0	49.6	47.5	46.2	49.3	46.8	45.9	44.9
Marketing bill	2.3	3.1	5.1	6.4	7.3	7.7	7.6	9.1	9.8	10.8
Fluid milk and cream										
Total expenditures	7.0	7.4	8.9	11.3	12.4	12.7	12.4	14.6	16.1	17.1
Farm value	2.6	3.0	3.9	5.3	5.6	5.6	5.9	7.2	7.6	8.0
Percent of total	39.4	40.5	43.8	46.9	46.8	44.1	47.6	48.8	48.0	46.8
Marketing bill	4.3	4.4	5.0	6.0	6.8	7.1	6.5	7.6	8.5	9.1
Other dairy products										
Total expenditures	5.0	5.6	7.8	12.1	14.0	14.7	17.2	18.4	21.5	23.2
Farm value	1.9	2.1	3.0	4.7	5.4	5.4	7.0	7.4	8.4	8.8
Percent of total	38.0	37.5	38.5	38.8	38.6	36.7	40.7	40.2	40.9	37.9
Marketing bill ¹	3.1	3.5	4.8	7.4	8.6	9.3	10.2	11.0	13.1	14.4
Fresh fruit, vegetables										
Total expenditures	7.5	8.7	11.0	16.3	17.2	18.9	22.0	25.1	26.0	27.5
Farm value	2.3	2.7	3.1	5.0	5.1	5.0	5.9	6.3	6.9	7.2
Percent of total	30.7	31.0	28.2	30.7	29.7	26.5	26.8	25.1	26.5	26.2
Marketing bill ¹	5.2	6.0	7.9	11.3	12.1	13.9	16.1	18.9	19.0	20.3
Processed fruits and vegetables										
Total expenditures	7.3	9.1	11.6	19.3	21.4	22.7	23.2	26.0	27.6	32.8
Farm value	1.2	1.8	2.0	3.4	3.8	3.7	4.3	4.5	4.7	6.1
Percent of total	16.4	19.8	17.2	17.6	17.8	16.3	18.5	17.3	17.0	18.6
Marketing bill ¹	6.0	7.3	9.6	15.9	17.6	19.0	18.9	21.5	22.9	26.7
Bakery grain mill products										
Total expenditures	9.4	11.2	13.6	24.2	24.9	25.9	26.7	30.4	33.6	37.4
Farm value	1.4	1.9	2.0	4.2	3.6	3.2	3.7	4.6	5.1	4.9
Percent of total	14.5	16.7	14.7	17.4	14.5	12.4	12.9	15.6	15.2	13.1
Marketing bill	8.0	9.4	11.6	19.9	21.3	22.7	25.0	25.8	28.5	32.5

¹ The difference between civilian expenditures for domestic farm-originated food products and the farm value or payment farmers received for the equivalent farm products. ² Food primarily purchased from retail food stores for use at home. ³ Covers employee wages and salaries, and their health and welfare benefits. Also includes imputed earnings of proprietors, partners, and family workers not receiving stated remuneration. ⁴ Excludes local hauling. ⁵ Represents advertising, rents, depreciation, interest on borrowed capital, taxes other than income, and other costs.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Developments in Farm to Retail Price Spreads for Food Products in 1981*, AER No. 486, Sept. 1982; *Agricultural Outlook*, periodic; and *Agricultural Statistics*, annual.

NO. 1183. FOOD PRICES—DISTRIBUTION OF RETAIL PRICE ACCORDING TO FARM VALUE AND MARKETING FUNCTION: 1979 TO 1981

[In cents per retail unit indicated. The farm value is the payment to farmers for the quantity of farm products equivalent to the unit sold at retail minus imputed value of byproducts. Because of losses from processing, waste, and spoilage, the farm value represents larger quantities than the retail unit]

FOOD ITEM	Unit	1979		1980		1981						
		Farm value	Retail price	Farm value	Retail price	Farm value	As-sembly and pro-cure-ment	Proc-essing or pack-ing	Inter-city trans-por-tation	Whole-saling	Retail-ing	Retail price
Beef, choice	Lb	140.6	226.3	145.0	237.6	138.5	()	7.0	3.6	¹ 25.3	64.1	236.7
Pork	Lb	86.6	144.1	83.2	139.5	70.3	()	32.9	3.5	9.5	36.2	152.4
Broilers	Lb	36.7	66.0	38.8	72.0	37.6	1.6	10.3	1.7	4.3	18.2	73.7
Eggs, grade A	Doz	53.7	85.9	51.0	84.4	56.1	1.2	12.2	1.9	4.1	15.1	90.6
Milk, sold in stores	$\frac{1}{2}$ gal	52.5	96.0	58.1	104.9	61.6	4.1	14.8	(²)	15.0	15.9	111.7
Butter	Lb	111.6	168.6	125.5	187.8	132.5	4.7	20.2	4.1	7.3	30.5	199.3
Bread, white	Lb	³ 4.9	46.7	³ 5.3	50.8	³ 5.5	(NA)	(NA)	(NA)	(NA)	(NA)	52.5
Potatoes, russet	10 lb	³ 34.7	182.2	³ 54.9	209.9	³ 72.1	(¹)	59.8	45.3	26.3	99.5	303.0
Oranges, Calif	Lb	13.2	43.8	7.4	36.6	6.3	5	5.6	5.1	3.6	16.3	39.4
Lettuce, Calif	Lb	³ 5.9	47.6	³ 4.4	45.8	³ 4.3	4	12.0	8.5	3.1	19.0	47.3
Orange juice, frozen	12 oz	41.2	89.4	36.7	87.4	39.9	1.7	24.6	4.8	10.6	20.0	101.8
Tomatoes, Calif. ⁴	Lb	5.1	41.8	4.5	42.2	4.7	.8	30.5	5.3	1.8	7.0	49.9

NA. Not available. ¹Included in farm value. ²Includes breaking the carcass into principal parts such as loin and chuck. ³Included in wholesaling. ⁴Includes value for wheat, lard, soybean oil, high fructose corn syrup, and soy-whey blend. ⁵Includes some potatoes for processing. ⁶Value in the field. Harvesting and packing, a contract operation, appears as assembly cost. ⁷Whole tomatoes.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Developments in Farm to Retail Price Spreads for Food Products in 1981*, AER No. 486, August 1982.

NO. 1184. AGRICULTURAL CHEMICALS USED ON FARMS: 1974 AND 1978

[Farms with sales of \$2,500 or more. 1978 data based on sample]

TYPE OF CHEMICAL	1974			1978		
	Farms reporting (1,000)	Acres treated (1,000)	Cost (mil. dol.)	Farms reporting (1,000)	Acres treated (1,000)	Cost (mil. dol.)
Total	¹ 1,363	(x)	² 6,766	¹ 1,666	(x)	8,144
Commercial fertilizer	1,279	184,643	5,028	1,427	224,168	6,275
Lime	145	6,240	104	301	16,067	
Chemicals for—						
Defoliation or growth control of crops	37	5,174	34	78	9,240	
Insect control in livestock and poultry	132	(x)	19	511	(x)	
Sprays, dusts, etc. for—						
Insects on hay and other crops	418	56,642	966	544	75,737	2,668
Nematodes in crops	27	1,754	29	100	6,795	
Crop diseases	37	4,183	64	112	11,338	
Weeds or grass in crops	549	110,793	764	864	163,492	
Weeds or brush in pasture	44	4,003	13			

X. Not applicable. ¹If more than 1 subentry was applicable, the farm was tabulated in each. ²Includes categories not shown separately.

Source: U.S. Bureau of the Census, *Census of Agriculture: 1974 and 1978*, vol. I.

NO. 1185. COMMERCIAL FERTILIZERS CONSUMED: 1960 TO 1981

[In millions of tons, except percent. For years ending June 30. Includes Puerto Rico. Percent nutrient content excludes secondary and micronutrients. See *Historical Statistics, Colonial Times to 1970*, series K 193, for related but not comparable data]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
All fertilizers	24.9	31.8	36.6	47.1	42.5	49.2	51.6	47.5	51.5	52.8	53.3
Percent: Nitrogen	11.7	15.3	19.5	20.4	21.2	22.2	21.7	21.8	21.7	22.6	23.0
Phosphoric oxide	10.9	11.6	11.9	11.3	11.1	11.2	11.5	11.2	11.4	10.8	10.6
Potash	9.2	9.4	10.5	11.3	11.0	11.1	11.9	12.1	12.7	12.4	12.2
Mixed fertilizers	15.7	18.6	21.0	24.1	20.6	23.0	24.0	22.1	23.7	23.3	23.3
Percent: Nitrogen	6.5	7.8	9.3	10.1	10.2	10.5	10.6	10.7	10.8	10.8	11.0
Phosphoric oxide	13.0	15.2	17.7	17.7	18.0	19.3	19.9	19.6	20.1	19.6	19.9
Potash	12.1	12.4	12.7	12.7	12.5	12.5	12.8	12.8	12.8	13.1	12.9
Primary nutrient materials	7.9	11.8	17.3	20.9	20.0	23.9	25.0	23.5	25.8	27.2	27.9
Secondary and micronutrients	1.4	1.5	1.3	2.1	1.9	2.3	2.5	1.9	2.1	2.3	2.1

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Commercial Fertilizers, Consumption in the United States, annual*. Also in *Agricultural Statistics*, annual.

NO. 1186. SELECTED INDEXES OF FARM INPUTS: 1950 TO 1981

[1987 = 100. Inputs based on physical quantities of resources used in production. See also *Historical Statistics, Colonial Times to 1970*, series K 486-495 for data before revisions]

INPUT	1950	1955	1960	1965	1970	1975	1977	1978	1979	1980	1981, prel.
Total	104	106	101	98	100	100	105	105	106	106	106
Farm labor	217	185	145	110	89	78	71	67	66	65	64
Farm real estate ¹	105	105	100	99	101	98	99	97	98	96	97
Mechanical power and machinery	84	97	97	94	100	113	120	126	130	128	127
Agricultural chemicals ²	29	39	49	75	115	127	154	161	164	174	175
Feed, seed, and livestock purchases ³	83	72	84	93	104	101	112	115	120	119	120
Taxes and interest	82	88	94	100	100	101	100	93	92	96	96
Miscellaneous	67	94	106	109	109	104	128	135	145	117	125

¹Includes service buildings, improvements.

²Includes fertilizer, lime, and pesticides.

³Includes nonfarm portion.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in U.S. Council of Economic Advisors, *Economic Report of the President*, 1982.

NO. 1187. FARM MACHINERY AND EQUIPMENT: 1960 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series K 184-191]

ITEM	Unit	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Value of farm implements and machinery ¹	\$B. dol.	22.7	24.8	32.3	39.3	44.2	54.7	64.0	71.0	78.1	85.1	96.7	102.8
Number on farms, Jan. 1 ²													
Tractors ³	1,000	4,787	4,519	4,518	4,483	4,489	4,434	4,402	5,050	4,989	4,880	4,740	
Horsepower	MB.	153	176	203	212	219	222	228	232	264	266	269	275
Motortrucks	1,000	2,834	3,030	2,984	3,013	3,023	3,032	3,043	3,044	3,450	3,555	3,734	3,972
Grain combines	1,000	1,042	910	790	701	698	524	527	535	660	684	689	671
Corn pickers ⁴	1,000	792	690	635	621	618	615	610	605	695	694	680	687
Pickup balers	1,000	680	751	708	684	674	667	641	615	770	789	766	761
Field forage harvesters	1,000	291	316	304	292	295	255	263	270	302	301	301	300
Farmers expenditures:													
Motor vehicles ⁵	Mil. dol.	1,344	1,940	2,030	3,086	3,405	3,833	4,804	4,927	5,580	6,284	5,877	5,861
Machinery, equipment	Mil. dol.	1,458	2,238	2,868	4,581	4,790	4,820	5,383	5,535	7,158	8,002	7,314	6,746
Retail sales: ⁶													
Tractors, total ⁷	1,000	(NA)	182.5	135.5	197.0	173.8	181.1	153.2	130.9	130.6	130.0	119.3	103.8
2-wheel drive	1,000	(NA)	182.5	135.5	190.8	185.5	150.5	142.7	129.2	130.9	127.5	108.4	94.2
4-wheel drive	1,000	(NA)	(NA)	(NA)	6.2	8.3	10.6	10.5	7.7	8.7	11.5	10.9	9.7
Combines	1,000	(NA)	37.6	26.7	35.1	31.8	33.1	32.5	28.8	31.5	32.3	25.7	26.8
Corn heads	1,000	(NA)	22.9	18.5	26.7	25.1	25.4	25.4	20.7	21.2	22.4	17.2	15.7
Field forage harvesters	1,000	(NA)	(NA)	15.0	17.7	18.1	13.1	19.3	15.2	11.5	12.5	9.5	7.8

NA Not available. ¹Farm inventory valuations at beginning of year includes family automobiles. ²1978 data are not directly comparable with totals for 1974 or earlier agriculture census years; see text, p. 847. For all non-census years, data are estimated using prior census as reference point. ³Excludes garden tractors. ⁴Includes picker-shellers. ⁵For farm business use. ⁶Source: Farm and Industrial Equipment Institute, Chicago, Illinois, unpublished data. ⁷Beginning 1977, covers tractors over 40 hp. only.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics*, annual. Also in *Agricultural Statistics*, annual.

NO. 1188. FARM EMPLOYMENT AND INDEX OF WAGE RATES: 1960 TO 1981

[Excludes Alaska and Hawaii, except beginning 1978 includes Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series K 174-181]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Employment ¹	1,000	7,057	5,610	4,523	4,388	4,342	4,374	4,170	3,857	3,774	3,705	3,330
Family ²	1,000	5,172	4,128	3,348	3,075	3,025	2,997	2,863	2,889	2,501	2,402	2,236
Hired ³	1,000	1,885	1,482	1,175	1,314	1,317	1,377	1,307	1,268	1,273	1,303	1,094
Farm wage rates index	1977=100	33	38	57	78	85	93	100	107	118	127	136

¹Quarterly survey discontinued after April 1981. Averages based on employment data from Jan. and April quarterly surveys. ²1960-1973, averages of monthly estimates of employed during last full calendar week ending at least one day before end of month; beginning 1974, annual quarterly averages. ³Includes farm operators doing 1 or more hours of farm work and unpaid family members doing 15 or more hours of farm work during survey week. ⁴Includes all persons doing 1 or more hours of farm work for pay during survey week. Members of operators' families doing any farm work for cash wages are counted as hired workers.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Farm Labor*, quarterly (discontinued in 1981).

NO. 1188. HIRED FARMWORKERS—WORKERS AND EARNINGS: 1970 TO 1979

[Represents persons 14 years old and over in the civilian noninstitutional population who did hired farmwork at any time during the year. Based on Current Population Survey; see text, p. 2 and Appendix III. For composition of regions, see fig. 1, inside front cover. For definition of median, see Guide to Tabular Presentation.]

ITEM	WORKERS (1,000)								MEDIAN EARNINGS PER DAY		
	1970	1975	Total	1979					1970	1975	1979
				Duration of farmwork							
				Under 25 days	25-74 days	75-149 days	150-249 days	250 days and over			
All workers	2,486	2,636	2,882	886	672	323	336	423	\$9.30	\$14.89	\$20.99
White ¹	1,940	1,907	1,976	746	481	244	199	306	9.70	14.75	20.24
Black and other ¹	547	446	355	99	116	40	59	41	8.00	13.80	22.85
Hispanic	(NA)	285	320	53	75	39	77	76	(NA)	17.10	27.13
Male	1,889	2,036	2,075	689	475	245	282	405	9.75	15.45	21.88
Female	598	602	578	229	196	78	53	18	7.65	12.35	19.85
Region:											
Northeast	241	227	186	58	48	26	24	32	9.95	14.00	18.63
North Central	500	674	785	340	179	80	80	125	9.20	14.45	20.01
South	1,093	1,074	1,071	312	318	143	144	154	8.35	14.10	20.33
West	564	664	607	166	127	74	107	112	11.75	18.00	25.27
Migratory	196	188	217	56	80	33	31	17	(NA)	(NA)	(NA)
Nonmigratory	2,291	2,450	2,435	843	592	290	304	405	(NA)	(NA)	(NA)
14-17 years old	619	635	707	353	241	72	17	25	(NA)	10.35	18.63
18-24 years old	539	733	802	272	223	97	104	107	(NA)	17.75	23.18
25-34 years old	322	393	458	140	89	35	88	124	(NA)	21.85	23.17
35-44 years old	254	219	281	47	57	50	55	63	(NA)	21.70	24.34
45-54 years old	247	193	183	24	28	26	30	54	(NA)	18.40	25.89
55-64 years old	173	144	128	29	17	18	28	37	(NA)	19.60	20.25
65 years and over	133	120	114	32	18	25	23	14	(NA)	11.70	19.84

NA Not available. ¹Beginning 1975, excludes persons of Hispanic origin. 1970 data not comparable with later years.
Source: U.S. Dept. of Agriculture, Economic Research Service, *The Hired Farm Working Force*, periodic.

NO. 1190. FARM PRODUCTIVITY—LABOR-HOURS AND INDEXES OF FARM OUTPUT PER HOUR: 1950 TO 1981

[Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series K 407-413, K 430-444, and W 67-81.]

ITEM	1950	1955	1960	1965	1970	1973	1974	1975	1976	1978	1979	1980, prel	1981, prel
Hours of labor required on farms ¹ (bil.)	15.1	12.8	9.8	7.3	5.9	5.3	5.2	5.0	4.8	4.4	4.3	4.3	4.2
All productive livestock (bil.)	5.5	4.9	3.9	3.0	2.3	2.0	1.8	1.7	1.6	1.4	1.3	1.3	1.2
All crops ² (bil.)	6.9	6.0	4.8	3.4	2.8	2.7	2.7	2.6	2.6	2.4	2.4	2.4	2.4
Farm maintenance ³ (bil.)	2.7	1.9	1.4	.9	.8	.6	.7	.7	.6	.6	.8	.5	.6
INDEX (1977 = 100)													
Farm output per hour	19	26	37	52	86	81	79	89	94	108	119	112	129
All livestock and products	19	24	32	45	84	78	82	85	93	109	118	129	138
Meat animals	32	35	40	51	87	78	84	87	94	106	117	127	135
Milk cows	16	19	27	39	67	70	75	81	91	106	122	135	150
Poultry	10	15	25	40	55	70	76	81	92	112	124	134	149
All crops	22	29	41	56	70	87	80	89	91	105	118	104	121
Feed grains	13	17	33	52	62	88	75	80	95	111	125	107	132
Hay and forage	28	32	43	60	74	89	87	94	90	109	115	109	120
Food grains	31	39	73	79	93	100	89	101	98	104	115	116	127
Vegetables	44	54	69	79	91	96	97	93	100	104	109	113	117
Fruits and nuts	54	60	61	76	84	91	96	97	101	103	104	112	107
Sugar crops	25	35	52	58	79	85	82	96	100	103	103	105	114
Cotton	6	9	13	23	31	51	47	57	70	100	132	103	147
Tobacco	35	40	48	51	79	91	98	97	101	108	89	104	116
Oil crops	29	36	52	58	72	84	76	88	84	98	110	89	110
Cropland used for crops ⁴	100	100	94	88	88	83	86	97	98	87	180	102	108
Crop production per acre	59	63	77	65	88	99	88	96	94	105	113	99	114

¹Represents labor used on crops, livestock, and farm maintenance. ²Beginning 1965, excludes work on farm gardens.

³Beginning 1965, excludes work on horses and mules. ⁴Harvested acres plus acres of crop failure and summer fallow.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in *Agricultural Statistics*, annual.

NO. 1191. FARM OUTPUT INDEXES AND ACREAGE OF PRINCIPAL CROPS: 1960 TO 1981

(Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series K 414-429)

ITEM	1960	1965	1970	1975	1974	1975	1976	1977	1978	1979	1980	1981, prel.
INDEX, 1967 = 100												
Farm output ¹	91	98	101	112	106	114	117	119	122	129	122	134
Per unit of total input	90	100	102	111	105	115	115	114	115	119	115	126
Gross production:												
Livestock and products ²	87	95	105	105	106	101	105	106	106	109	113	115
Meat animals	85	92	108	108	110	102	105	105	104	108	111	112
Dairy products	100	104	99	98	99	98	103	105	104	105	110	113
Poultry and eggs	75	90	105	106	106	103	110	112	118	127	128	132
Crops ³	93	99	100	119	110	121	121	129	131	144	131	152
Feed grains	87	88	89	115	83	114	120	126	135	148	123	154
Hay and forage	90	99	100	109	104	108	102	107	113	117	107	116
Food grains	87	89	91	114	120	142	141	132	125	144	157	186
Vegetables	89	95	96	100	102	101	101	104	107	110	105	111
Fruits and nuts	94	100	110	126	128	137	136	136	136	145	164	155
Sugar crops	74	100	114	112	104	130	128	116	116	107	114	127
Cotton	106	205	139	175	159	112	142	191	145	194	150	211
Tobacco	89	94	97	88	101	110	108	98	102	77	90	104
Oil crops	88	95	117	155	127	153	132	175	182	219	171	199
ACREAGE, PRINCIPAL CROPS (millions of acres)												
Planted or grown	324	297	293	319	326	333	336	345	337	347	357	385
Harvested	316	288	283	310	316	324	326	334	327	338	341	356

¹Annual production available for eventual human use. ²Includes livestock products not shown separately and excludes horses and mules. ³Includes crops not shown separately.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in *Agricultural Statistics*, annual.

NO. 1192. FARM LABOR—ANNUAL AVERAGE LABOR-HOURS PER UNIT OF PRODUCTION, SELECTED CROPS AND LIVESTOCK: 1950-1954 TO 1976-1980

(Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series K 445-485)

CROP, LIVESTOCK, AND ITEM	1950-1954	1955-1959	1960-1964	1965-1969	1970-1974	1975-1979	1976-1980
Corn for grain: Hours per acre ¹	13.3	9.9	7.0	5.8	4.3	3.6	3.5
Yield per acre (bu.)	39.4	48.7	62.2	78.5	84.0	95.3	98.1
Hours per 100 bushel	34	20	11	7	5	4	3
Wheat: Hours per acre ¹	4.8	3.8	3.0	2.9	2.9	2.8	2.8
Yield per acre (bu.)	17.3	22.3	25.2	27.5	31.0	31.3	32.0
Hours per 100 bushel	27	17	12	11	9	9	9
Hay: Hours per acre ¹	6.3	6.0	5.0	3.8	3.7	3.4	3.4
Yield per acre (sh. tons)	1.43	1.81	1.77	1.97	2.12	2.21	2.22
Hours per sh. ton	4.4	3.7	2.8	1.9	1.8	1.6	1.5
Potatoes: Hours per acre ²	63.1	53.1	48.0	45.1	41.6	37.6	36.6
Yield per acre (cwt)	151	178	195	213	234	263	264
Hours per sh. ton	8	6	5	4	4	3	3
Cotton: Hours per acre ¹	66	66	47	30	16	8	7
Yield per acre (lb.)	296	428	475	484	470	465	472
Hours per bale	107	74	47	30	18	8	6
Tobacco: Hours per acre ³	464	475	493	427	299	254	248
Yield per acre (1,000 lb.)	1.3	1.5	1.9	2.0	2.0	2.0	2.0
Hours per 100 lb.	36	31	26	22	14	13	12
Milk cows: Hours per cow	121	109	93	76	62	45	42
Milk per cow (cwt)	54	63	75	86	101	110	113
Hours per cwt of milk	2.2	1.7	1.2	.9	.6	.4	.4
Cattle, exc. milk cows:							
Hours per cwt of beef produced ⁴	3.6	3.2	2.6	2.1	1.7	1.3	1.3
Hogs: Hours per cwt produced ⁴	2.7	2.4	1.9	1.4	1.0	.5	.5
Chickens: ⁴ Hours per 100 layers	232	175	126	87	78	57	53
Rate of lay ⁵	161	200	212	219	225	236	238
Hours per 100 eggs produced	1.3	.9	.6	.4	.3	.2	.2
Chickens (farm raised): Hours per 100 birds	27	23	17	14	13	12	11
Hours per cwt produced ⁴	7.3	6.7	4.7	3.7	3.3	2.9	2.8
Chickens (broilers): Hours per 100 birds	8	4	3	2	1	.6	.5
Hours per cwt produced ⁴	2.4	1.3	.8	.5	.3	.2	.1
Turkeys: Hours per cwt produced ⁴	6.8	4.4	2.4	1.3	.8	.5	.4

¹Labor-hours per acre harvested, including preharvest work on acreages abandoned, grazed, and turned under.

²Per acre planted and harvested. ³Liveweight production. ⁴Laying flocks and eggs. ⁵Eggs produced during year divided by average number of hens and pullets of laying age on hand during year.

Source: U.S. Dept. of Agriculture, Economic Research Service, in *Agricultural Statistics*, annual.

NO. 1193. AGRICULTURAL EXPORTS AND IMPORTS—VALUE: 1960 TO 1981

[In billions of dollars, except percent. Includes Puerto Rico. Excludes forest products and distilled liquors; includes crude rubber and similar gums (now mainly plantation products). Includes shipments under foreign aid programs. See also *Historical Statistics, Colonial Times to 1970*, series K 251-255.]

ITEM	1960-1964, avg.	1965-1969, avg.	1970-1974, avg.	1975-1979, avg.	1980	1985	1970	1975	1977	1978	1979	1980	1981
Exports, domestic products.....	5.4	6.3	12.8	26.5	4.8	8.2	7.3	21.9	23.6	29.4	34.7	41.2	43.3
Percent of all exports.....	24	20	20	20	24	23	17	21	20	20	19	19	19
Imports for consumption.....	3.8	4.8	7.3	13.1	3.8	4.1	5.8	9.9	13.4	14.8	16.7	17.4	16.8
Percent of all imports.....	24	16	12	9	25	19	15	10	9	9	8	7	6

Source: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Foreign Agricultural Trade Statistical Report*, annual, and *Foreign Agricultural Trade of the United States*, Jan.-Feb. issues. Also in *Agricultural Statistics*, annual.

NO. 1194. AGRICULTURAL EXPORTS—VALUE, BY PRINCIPAL COMMODITIES AND SELECTED COUNTRIES OF DESTINATION: 1970 TO 1981

[See headnote, table 1193. Data by country of destination not adjusted for transshipments.]

COMMODITY AND COUNTRY	VALUE (mil. dol.)									PERCENT	
	1970	1974	1975	1976	1977	1978	1979	1980	1981	1970	1981
Total agricultural exports ¹	7,269	21,845	21,859	22,978	23,638	29,384	34,748	41,233	43,337	100.0	100.0
Grains and preparations ²	2,582	10,311	11,819	10,875	8,713	11,551	14,406	17,991	19,399	35.6	44.7
Feed grains and products.....	1,093	4,698	5,283	6,024	4,907	5,909	7,796	9,831	9,492	15.1	21.9
Corn.....	818	3,751	4,422	5,194	4,100	5,257	6,977	8,492	7,935	11.3	18.3
Wheat and products.....	1,136	4,634	5,353	4,086	2,832	4,602	5,586	8,060	8,167	15.6	18.6
Rice.....	313	852	858	829	730	932	854	1,259	1,527	4.3	3.5
Oilseeds and products ³	1,931	5,709	4,452	5,070	8,615	8,175	8,867	9,383	9,555	26.6	22.0
Soybeans.....	1,226	3,537	2,865	3,315	4,363	5,206	5,701	5,880	6,186	16.9	14.3
Soybean oil cake and meal.....	344	944	639	854	920	1,242	1,416	1,665	1,589	4.7	3.7
Vegetable oils and waxes.....	295	863	635	898	834	970	1,155	1,216	1,077	4.1	2.5
Soybean oil.....	194	522	289	240	443	589	709	689	474	2.7	1.1
Animals and animal products ⁴	665	1,778	1,998	2,360	2,867	3,032	3,765	3,788	4,236	11.9	9.8
Hides and skins, incl. furskins.....	187	462	504	604	788	914	1,332	1,046	1,024	2.6	2.4
Cattle hides.....	130	297	260	471	525	629	906	623	617	1.8	1.4
Meats and meat products.....	132	302	432	617	611	743	853	880	997	1.8	2.3
Fats, oils, and greases.....	246	585	380	443	511	599	740	789	780	3.4	1.8
Poultry and poultry products.....	82	135	157	261	309	341	409	603	770	1.1	1.8
Cotton, excluding linters.....	372	1,335	991	1,049	1,529	1,740	2,198	2,894	2,280	5.1	5.2
Tobacco, unmanufactured.....	517	832	852	922	1,094	1,356	1,183	1,334	1,457	7.1	3.4
Fruits and preparations.....	334	586	699	770	835	1,014	1,127	1,335	1,497	4.6	3.5
Fresh fruits.....	164	326	404	434	565	646	739	855	855	2.3	2.0
Feeds and fodders.....	138	272	313	449	582	609	638	1,126	1,086	1.9	2.5
Vegetables and preparations.....	219	473	505	674	631	703	784	1,188	1,553	3.0	3.6
Nuts and preparations.....	69	156	169	186	240	324	394	757	581	1.0	1.3
Other.....	232	485	573	591	720	848	997	1,477	1,743	3.2	4.0
Asia ¹	2,670	8,358	7,820	7,575	8,042	10,295	12,109	14,686	15,777	36.6	36.4
Japan.....	1,214	3,478	3,082	3,563	3,857	4,435	5,235	6,111	6,562	18.7	15.1
Korea, Rep. of.....	224	743	830	830	919	1,148	1,441	1,797	2,008	3.1	4.6
China.....	(2)	653	80	(2)	84	573	990	2,210	1,799	(2)	4.5
Mainland.....	(2)	653	80	(2)	84	573	990	2,210	1,799	(2)	4.5
Taiwan.....	134	430	565	474	612	825	1,074	1,085	1,145	1.8	2.6
Western Europe ¹	2,527	6,995	7,142	7,678	8,358	9,073	9,672	11,685	11,800	34.8	27.3
European Economic Community ⁵	2,133	5,618	5,704	6,563	6,785	7,312	7,849	9,238	9,499	29.4	20.9
Netherlands.....	526	1,600	1,722	1,885	2,124	2,346	2,824	3,412	3,301	7.2	7.6
Germany, Fed. Rep. of.....	529	1,567	1,564	1,826	1,856	1,497	1,399	1,831	1,759	7.3	4.1
United Kingdom.....	411	954	588	698	874	1,023	1,057	926	980	5.7	2.2
Italy.....	210	763	796	877	807	881	1,005	1,094	1,181	2.9	2.7
France.....	164	492	406	458	466	565	728	748	624	2.3	1.4
Spain.....	143	707	776	615	634	822	930	1,129	1,267	2.0	2.9
Latin America ¹	666	2,559	2,274	1,939	2,217	3,156	3,867	6,150	6,367	9.5	14.7
Mexico.....	155	883	586	370	664	903	1,024	2,488	2,432	2.1	5.6
Venezuela.....	98	323	277	274	304	387	494	701	693	1.4	2.1
Soviet Union.....	16	300	1,133	1,487	1,037	1,037	2,855	1,047	1,685	.2	3.8
Eastern Europe.....	169	625	618	926	803	1,120	1,833	2,071	1,662	2.3	3.8
Canada.....	626	1,261	1,304	1,484	1,534	1,621	1,850	1,852	1,989	11.4	11.1
Africa.....	259	1,132	1,159	1,178	1,362	1,598	1,620	2,238	2,836	3.6	6.5

Z Less than \$500,000 or .05 percent. ¹Includes areas not shown separately. ²Includes commodities not shown separately. ³Includes data for Belgium, Luxembourg, Denmark, Greece, and Ireland. As of Jan. 1, 1973, United Kingdom, Denmark, and Ireland became members of EEC. As of Jan. 1, 1981, Greece became a member of EEC. For consistency, data for all years are shown on same basis.

Source: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Foreign Agricultural Trade Statistical Report*, annual. Also in *Agricultural Statistics*, annual.

**NO. 1195. U.S. SALES AND DONATIONS UNDER FOOD FOR PEACE (PUBLIC LAW 480) PROGRAMS,
TOTAL, 1954 TO 1981, AND BY SELECTED COUNTRY, 1975 TO 1981**

[In millions of dollars. For years ending June 30, except beginning 1977, ending Sept. 30]

TITLE AND PROGRAM	Total, 1954- 1981	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	32,038	1,142	1,119	973	1,326	1,300	1,193	1,228	1,287	1,436	1,542
Title I sales (loans) ¹	18,855	711	724	577	866	902	735	767	746	843	774
Repayable in dollars	10,019	485	724	577	568	602	735	767	746	843	774
Repayable in foreign currencies	8,831	226	-	-	-	-	-	-	-	-	-
Title II donations	12,188	432	394	396	461	398	458	461	541	593	768
Voluntary relief agencies	7,382	181	177	198	266	290	326	319	374	340	471
Emergency relief and other ²	4,806	250	217	200	194	99	132	143	167	253	297

REGION AND COUNTRY	1975		1977		1978		1979		1980		1981	
	■	Donations	Sales	Donations	Sales	Donations	Sales	Donations	Sales	Donations	Sales	Donations
Total	867.5	480.8	735.3	458.4	797.4	481.1	748.0	541.0	843.0	593.0	774.3	758.3
Near East and South Asia ³	603.8	183.8	398.6	188.0	413.7	162.3	401.4	218.8	432.9	185.2	387.8	288.6
Bangladesh	237.3	4.5	63.8	19.3	78.0	20.5	88.1	29.0	74.4	2.8	50.5	21.6
Egypt	104.5	12.8	196.8	11.7	179.7	12.5	230.7	22.4	285.3	16.1	272.5	28.9
India	121.6	108.1	24.7	101.3	28.4	109.8	-	137.6	-	118.3	-	170.6
Pakistan	79.5	5.4	35.3	2.0	56.4	1.3	38.0	3.2	47.5	10.6	47.5	28.8
Sri Lanka	24.5	5.4	39.9	4.0	34.4	3.4	16.3	4.6	■	5.1	17.3	7.4
East Asia ³	180.7	35.1	172.3	43.5	163.7	23.7	136.7	34.4	124.8	75.9	70.8	56.0
Indonesia	34.8	11.5	85.3	5.4	115.4	7.3	88.7	7.5	98.3	17.4	45.0	16.2
Kampuchea	91.5	2.9	-	-	-	-	-	-	-	38.3	-	14.1
Korea, Rep. of	8.7	5.7	76.1	-	56.3	-	38.0	-	28.5	-	25.6	-
Philippines	-	10.8	11.9	37.0	12.0	15.1	9.0	14.8	-	16.8	-	24.1
Africa ³	18.2	118.8	57.2	97.8	73.8	133.9	98.9	122.8	158.8	171.3	179.6	198.4
Ghana	-	2.8	-	5.5	-	3.0	9.5	5.1	12.1	3.8	12.1	6.9
Kenya	-	-	-	1.5	-	8	-	1.2	16.1	3.2	15.0	10.4
Morocco	-	12.7	8.0	15.1	8.8	15.7	9.7	11.2	5.8	9.9	25.0	16.2
Somalia	-	4.6	-	6	7.0	8.8	10.7	7.3	17.7	32.3	15.0	29.9
Sudan	-	8.2	4.6	1.8	9.8	2.5	19.0	1.8	25.0	1.3	30.0	4.9
Zaire	-	4	22.7	1	18.0	5	17.0	4.4	15.7	6	10.0	3.5
Latin America ³	98.8	91.0	40.9	71.8	58.2	47.0	71.3	98.9	82.1	69.9	98.7	90.7
Dominican Rep	-	5.5	2.5	9.4	-	3.9	13.9	6.8	15.0	4.7	14.4	4.4
El Salvador	-	1.6	-	2.7	-	1.7	-	2.9	3.0	2.5	28.2	9.1
Haiti	2.3	3.3	10.7	8.8	10.5	8.0	8.8	8.8	8.6	7.2	8.8	15.9
Jamaica	1.4	2	13.4	(z)	10.0	5	10.0	2	10.0	(z)	17.1	(z)
Peru	-	8.4	5.3	25.0	8.8	20.0	15.3	19.0	14.0	19.0	23.5	23.5
Europe	-	.1	86.5	.4	38.0	-	38.0	-	38.0	-	47.6	-
Poland	-	-	-	-	-	-	-	-	-	-	47.6	-
Portugal	-	-	86.5	-	38.0	-	38.0	-	38.0	-	-	-
All other ³	-	81.0	-	88.7	-	84.3	-	107.8	-	121.1	-	157.8

- Represents zero. Z Less than \$50,000. ¹Includes Title III, Food For Development program. ²Includes economic development and world food programs. ³Includes countries not shown separately. ⁴Includes undistributed transportation cost.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance From International Organizations*, annual.

**NO. 1196. AGRICULTURAL EXPORTS UNDER SPECIFIED GOVERNMENT-FINANCED PROGRAMS—VALUE,
BY SELECTED COMMODITIES: 1960 TO 1981**

[In millions of dollars, except percent. Includes Puerto Rico. Sources of values for Government-financed programs are different from those for total exports; therefore, not fully comparable in regard to valuation, shipping period, etc. Entries for "Outside Government programs" are the residuals of the other two series]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Agricultural exports	4,822	6,229	7,268	21,868	22,978	23,836	28,384	34,749	41,233	43,337
Outside Government programs ¹	3,371	4,880	5,226	20,431	21,537	22,164	27,813	33,255	38,811	42,003
Under Government programs ²	1,451	1,349	1,033	1,428	1,441	1,472	1,571	1,494	1,422	1,334
Percent of total	30.2	21.7	14.2	6.5	6.3	6.2	5.3	4.3	3.4	3.1
Wheat	636.4	739.0	313.3	558.6	478.5	374.8	428.8	478.5	423.6	377.2
Wheat flour	118.4	87.5	86.2	68.1	94.9	108.6	138.1	188.8	145.1	148.6
Corn	65.5	56.0	28.5	14.8	109.1	213.2	207.8	177.8	111.7	164.5
Rice	88.5	72.1	171.3	311.8	224.4	144.5	175.6	161.5	171.5	163.0
Cotton	230.4	114.6	115.4	32.5	28.1	17.8	15.2	17.6	12.6	3.2
Soybean oil	72.2	109.8	92.2	36.3	105.7	99.1	157.0	142.0	151.9	111.8
Milk, nonfat, dried	40.7	58.8	91.4	60.3	48.0	81.0	32.1	21.0	27.3	34.5

¹Exports outside specified Government-financed programs include, in addition to unassisted commercial transactions, shipments of some commodities with governmental assistance in the form of (a) short-term credits extended by the Commodity Credit Corporation and the Export-Import Bank, (b) sales of Government-owned commodities below domestic market prices, and (c) export payments in cash or in kind through 1974. ²Includes commodities not shown separately.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Foreign Agricultural Trade of the United States*, monthly. Also in *Agricultural Statistics*, annual.

No. 1187. SELECTED FARM PRODUCTS—U.S. AND WORLD PRODUCTION AND EXPORTS: 1978 TO 1980

[In metric tons, except cotton. Production year, except as indicated. Metric ton = 1 102 short tons or .984 long tons]

ITEM	Unit	1978			1979			1980		
		U.S.	World	U.S. as percent of world	U.S.	World	U.S. as percent of world	U.S.	World	U.S. as percent of world
PRODUCTION										
Wheat ¹	Mt.	¹ 48	¹ 447	10.7	¹ 58	¹ 423	13.7	¹ 64	¹ 438	14.6
Corn for grain	Mt.	¹ 185	¹ 391	47.3	¹ 202	¹ 423	47.8	¹ 189	¹ 405	41.7
Soybeans ²	Mt.	50.9	77.4	65.8	61.7	93.7	65.8	48.8	80.6	60.5
Rice, rough ³	Mt.	6.0	386	1.6	6.0	377	1.6	6.6	396	1.7
Tallow and greases	1,000	2,638	5,844	46.7	3,058	5,974	51.2	3,157	5,258	51.7
Tobacco, unmanufactured ⁴	1,000	920	5,900	15.6	893	5,418	12.8	811	5,258	15.4
Vegetable oils ⁵	Mt.	10.3	37.2	27.7	12.9	41.2	31.3	9.9	39.2	25.2
Cotton ⁶	1,000 bales ⁷	10,856	60,048	18.0	14,829	65,555	22.3	11,122	65,561	17.0
EXPORTS										
Wheat ¹	Mt.	¹ 32	¹ 72	44.0	¹ 37	43.0	43.0	¹ 41	¹ 94	43.6
Corn	Mt.	¹ 51	¹ 86	77.3	¹ 61	¹ 74	82.4	¹ 59	¹ 78	75.6
Soybeans	Mt.	¹ 20.1	¹ 24.9	81.4	¹ 23.6	¹ 28.5	83.5	¹ 18.7	¹ 25.1	78.5
Rice, rough ¹⁰	Mt.	¹ 12.3	¹ 11.6	20.8	¹ 13.0	¹ 11.6	25.9	¹ 13.0	¹ 13.0	23.1
Tallow and greases	1,000	1,228	2,263	54.3	1,290	2,134	60.4	1,520	2,380	63.9
Tobacco, unmanufactured ¹⁴	1,000	321	1,409	22.8	259	1,362	19.0	272	1,307	20.8
Vegetable oils ⁵	Mt.	1.5	11.1	13.5	1.8	12.5	14.4	1.5	12.3	12.2
Cotton ⁶	1,000 bales ⁷	6,180	18,806	31.2	9,229	22,733	40.6	5,926	20,140	29.4

¹Includes wheat flour in grain equivalent. ²Year beginning June 1. ³Year beginning July 1. ⁴Year beginning Oct. 1.
⁵Year beginning Sept. 1. ⁶Year beginning Aug. 1. ⁷Farm sales weight basis. ⁸Various crop years. ⁹Bales of 480 lb. net weight.
¹⁰Includes milled rice. ¹¹Calendar year 1979. ¹²Calendar year 1980. ¹³Calendar year 1981. ¹⁴Revised weight basis.

Source: U.S. Foreign Agricultural Service, *Foreign Agriculture Circular*, periodic.

No. 1188. SELECTED FARM PRODUCTS—PRODUCTION AND EXPORTS: 1970 TO 1981

ITEM	Unit	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Wheat: Production.	Mt. bu	1,352	1,711	1,782	2,127	2,149	2,048	1,776	2,134	2,374	2,793
Exports ¹	Mt. bu	741	1,217	1,018	1,173	950	1,124	1,194	1,375	1,510	1,773
Percent of production	Percent	54.8	71.1	57.1	55.2	44.2	54.9	67.2	64.4	63.6	63.5
Corn for grain: Production.	Mt. bu	4,152	5,871	4,701	5,841	6,289	6,505	7,268	7,939	8,645	8,201
Exports ¹	Mt. bu	517	1,243	1,148	1,711	1,884	1,948	2,133	2,433	2,355	2,175
Percent of production	Percent	12.5	21.9	24.4	29.3	26.8	29.9	29.3	30.6	35.4	26.5
Soybeans, for beans: Production	Mt. bu	1,127	1,548	1,218	1,548	1,289	1,767	1,869	2,268	1,782	2,030
Exports	Mt. bu	434	538	421	556	564	700	739	875	724	910
Percent of production	Percent	38.5	34.8	34.6	35.9	43.8	39.6	39.5	38.6	40.4	44.8
Cotton: Production	Mt. bales ²	10.2	13.0	11.5	8.3	10.6	14.4	10.9	14.6	11.1	15.5
Exports	Mt. bales ²	3.9	8.1	3.9	3.3	4.8	5.5	6.2	9.2	5.9	6.8
Percent of production	Percent	38.2	46.9	33.9	39.8	45.3	38.2	56.9	63.0	53.2	43.6
Tobacco: Production ³	Mt. lb	1,906	1,742	1,990	2,182	2,137	1,914	2,025	1,527	1,786	2,062
Exports	Mt. lb	639	732	653	654	678	693	765	694	831	675
Percent of production	Percent	33.5	42.0	32.8	30.0	31.8	36.2	37.8	45.4	35.3	32.7

¹Represents marketing year for each product. ²Based on inspections for export. ³480 lb. net weight bales.⁴Farm sales weight.Source: U.S. Dept. of Agriculture, Economic Research Service, in *Agricultural Statistics*, annual.

No. 1189. ACREAGES OF CROPS HARVESTED FOR SPECIFIED PURPOSES: 1960 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series K 496-499]

ITEM	Unit	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981 ¹
Crops harvested ²	Mt. acres.	¹ 324	288	293	321	328	336	337	346	338	348	362	367
Domestic use	Mt. acres.	256	222	221	225	229	236	240	233	224	224	214	231
Per capita ³	Acres	1.41	1.14	1.08	1.06	1.07	1.08	1.10	1.08	1.00	1.00	.94	1.00
Exports	Mt. acres.	64	76	72	96	99	100	97	112	114	125	138	136
Percent of total	Percent	19.8	25.5	24.6	29.9	30.2	29.8	28.8	32.5	33.7	35.8	39.2	37.1
Crop failure	Mt. acres	8	9	5	5	2	6	9	9	7	7	12	7

¹Preliminary. ²Area in principal crops harvested as reported by Economic Research Service plus acreage in vegetables, fruits, tree nuts, and farm gardens. ³Includes feed for horses and mules, not shown separately. ⁴Based on Bureau of the Census estimated total population, including Armed Forces overseas, as of July 1.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual.

NO. 1200. PRINCIPAL CROPS—ACREAGE, PRODUCTION, AND VALUE: 1961 TO 1981

[Acreage, production, and yield of all crops revised on basis of census data. See *Historical Statistics, Colonial Times to 1970*, series K 505-563, for acreage harvested, production, and price data for all crops listed except sorghum.]

ITEM	Unit	1961- 1965, avg.	1966- 1970, avg.	1971- 1975, avg.	1976	1977	1978	1979	1980	1981, prel.	
Corn for grain:											
Acreage harvested	1,000 acres	56,670	57,121	63,362	67,625	71,506	71,614	71,930	72,400	73,030	74,624
Production	Mil. bu	3,762	4,463	5,466	5,841	6,269	6,505	7,266	7,939	8,645	8,201
Farm value ¹	Mil. dol	4,251	5,194	11,671	14,819	13,524	13,107	16,281	19,904	20,571	20,001
Yield per acre	Bu	66.4	78.1	86.6	86.4	88.0	90.6	101.0	109.7	91.0	109.9
Price ²	Dol. per bu	1.13	1.16	2.15	2.54	2.15	2.02	2.25	2.52	3.11	2.45
Soybeans for beans:											
Acreage harvested	1,000 acres	29,694	40,265	49,803	53,517	48,401	57,630	63,663	70,566	67,856	66,666
Production	Mil. bu	719	1,054	1,352	1,546	1,269	1,767	1,669	2,266	1,792	2,030
Farm value ¹	Mil. dol	1,770	2,711	6,720	7,822	8,776	10,363	12,460	14,250	13,560	12,943
Yield per acre	Bu	24.2	26.2	27.1	28.9	26.1	30.6	29.4	32.1	26.4	30.4
Price ²	Dol. per bu	2.46	2.57	4.97	4.92	6.81	5.86	6.66	6.28	7.57	6.37
Wheat:											
Acreage harvested	1,000 acres	48,017	50,666	56,801	69,499	70,927	66,666	56,495	62,454	70,984	60,946
Production	Mil. bu	1,214	1,433	1,757	2,127	2,149	2,046	1,776	2,134	2,374	2,793
Farm value ¹	Mil. dol	2,027	1,960	5,291	7,550	5,968	4,766	5,261	6,070	9,278	10,226
Yield per acre	Bu	25.3	28.3	30.9	30.6	30.3	30.7	31.4	34.2	33.4	34.5
Price ²	Dol. per bu	1.67	1.36	3.03	3.56	2.73	2.33	2.97	3.76	3.91	3.66
Hay:											
Acreage harvested	1,000 acres	67,248	61,953	60,882	61,353	60,377	60,966	62,113	61,666	59,362	60,212
Production	Mil. tons ³	120	125	130	132	120	132	144	146	131	143
Farm value ¹	Mil. dol	2,680	2,916	4,664	6,456	6,615	6,626	6,664	7,363	6,104	6,212
Yield per acre	Short tons	1.79	2.01	2.14	2.16	1.99	2.17	2.32	2.40	2.21	2.36
Price ²	Dol. per ton	22.30	23.40	40.93	52.10	60.20	53.70	49.80	59.50	71.00	66.60
Cotton:											
Acreage harvested	1,000 acres	14,616	9,963	11,554	8,796	10,914	13,275	12,400	12,631	13,215	13,841
Production ⁴	Mil. bales ⁵	14.9	9.6	11.4	8.3	10.6	14.4	10.9	14.6	11.1	15.6
Farm value ¹	Mil. dol	2,312	1,066	2,063	2,044	3,256	3,615	3,045	4,361	3,967	4,109
Yield per acre	Lb	510	463	474	463	466	520	420	547	404	543
Price ²	Cents per lb	31.0	23.1	36.1	51.3	64.1	52.3	58.4	62.5	74.7	54.7
Tobacco:											
Acreage harvested	1,000 acres	1,126	926	923	1,067	1,047	966	964	827	921	974
Production	Mil. lb	2,160	1,854	1,874	2,182	2,137	1,914	2,025	1,527	1,766	2,062
Farm value ¹	Mil. dol	1,311	1,266	1,752	2,236	2,404	2,270	2,680	2,154	2,721	3,514
Yield per acre	Lb	1,919	2,004	2,030	2,006	2,041	1,962	2,101	1,645	1,940	2,116
Price ²	Dol. per lb	.61	.69	.63	1.03	1.13	1.16	1.32	1.41	1.52	1.71
Sorghum for grain:											
Acreage harvested	1,000 acres	12,131	13,739	14,653	15,403	14,466	13,797	13,410	12,901	12,522	13,726
Production	Mil. bu	546	723	794	754	711	781	731	609	579	660
Farm value ¹	Mil. dol	546	743	1,484	1,777	1,431	1,412	1,464	1,666	1,666	2,032
Yield per acre	Bu	45.1	52.6	53.5	49.0	49.1	56.6	54.5	62.7	46.3	64.1
Price ²	Dol. per bu	1.00	1.03	1.66	2.36	2.93	1.82	2.01	2.34	2.94	2.32
Rice, rough:											
Acreage harvested	1,000 acres	1,742	2,047	2,231	2,616	2,460	2,249	2,970	2,669	3,312	3,804
Production	Mil. cwt	66	91	101	126	116	99	133	132	146	165
Farm value ¹	Mil. dol	340	455	929	1,072	811	941	1,067	1,364	1,673	1,763
Yield per acre	Lb	3,903	4,439	4,525	4,556	4,663	4,412	4,464	4,599	4,413	4,673
Price ²	Dol. per cwt	5.00	5.01	9.20	8.35	7.02	9.49	8.16	10.50	12.60	9.62
Potatoes:											
Acreage harvested	1,000 acres	1,361	1,426	1,321	1,260	1,371	1,360	1,375	1,270	1,154	1,232
Production	Mil. cwt	272	309	316	322	356	355	366	342	303	334
Farm value ¹	Mil. dol	580	652	1,154	1,445	1,263	1,254	1,224	1,172	1,979	1,766
Yield per acre	Cwt	200	217	239	256	261	261	267	270	262	271
Price ²	Dol. per cwt	2.13	2.11	3.67	4.46	3.59	3.55	3.36	3.43	6.55	5.40
Onions:											
Acreage harvested	1,000 acres	21,170	17,652	13,706	13,036	11,834	13,465	11,126	9,679	8,652	9,411
Production	Mil. bu	954	866	663	639	540	753	582	527	456	506
Farm value ¹	Mil. dol	604	560	732	924	635	823	669	714	612	933
Yield per acre	Bu	45.1	50.2	50.6	49.0	45.7	55.6	52.3	54.4	53.0	54.0
Price ²	Dol. per bu	.63	.63	1.05	1.45	1.56	1.09	1.20	1.36	1.79	1.66
Sugar beets:											
Acreage harvested	1,000 acres	1,212	1,329	1,323	1,517	1,479	1,216	1,266	1,120	1,160	1,229
Production	Mil. tons ⁶	20.7	23.6	26.4	29.7	29.4	25.0	25.8	22.0	23.5	27.4
Farm value ¹	Mil. dol	246	323	691	821	617	604	650	745	1,109	(NA)
Yield per acre	Short tons	17.1	17.9	19.9	19.6	19.9	20.6	20.3	19.6	19.6	22.3
Price ²	Dol. per ton	11.96	13.57	26.20	27.60	21.00	24.20	25.20	33.60	47.20	(NA)

NA Not available. ¹Values are based on season average prices, see footnote 2. ²Season average price received by farmers. State prices weighted by sales to obtain U.S. price. For certain years, prices for wheat, rice, corn for grain, grain sorghums, oats, soybeans, and cotton include an allowance for unrefined loans and purchase agreement deliveries. ³In short tons. ⁴Prices are for hay sold baled. ⁵State production figures, which conform with U.S. Bureau of the Census annual grinning enumeration with allowance for cross-State ginmings, rounded to thousands and added for U.S. totals. ⁶Bales of 500 pounds, gross weight. Beginning 1970, bales of 480 lb., net weight. ⁷Based on reported price of grain sorghum.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service. In *Agricultural Statistics, annual; Crop Production, annual; and Crop Values, annual*.

No. 1201. COSTS OF PRODUCING SELECTED CROPS: 1975 TO 1981

[Costs shown here are national averages for crop production on an average acre of land. They are indicators of year-to-year changes in production costs and are not adequate for assessing total farm income or farmers' current cash situation.]

CROP	UNIT	TOTAL, INCLUDING LAND ¹					TOTAL, EXCLUDING LAND				
		1975	1976	1979	1980	1981 ²	1975	1976	1979	1980	1981 ²
Corn	Dol. per bu.	2.23	1.96	2.13	3.05	2.90	1.80	1.49	1.63	2.35	2.24
Soybeans	Dol. per bu.	4.42	5.14	5.15	7.19	7.01	2.87	3.39	3.81	4.93	4.90
Wheat	Dol. per bu.	3.21	3.29	3.74	4.81	5.21	2.36	2.48	2.81	3.66	4.00
Cotton	Dol. per lb.	58	77	72	1.06	90	45	67	83	94	80
Sorghum	Dol. per bu.	2.48	2.25	2.48	4.07	3.25	1.93	1.84	1.96	3.24	2.58
Rice	Dol. per cwt.	7.80	7.81	8.29	10.07	10.08	6.66	6.31	7.06	8.66	6.74
Oats	Dol. per bu.	1.70	1.91	2.30	2.81	3.07	1.13	1.46	1.88	2.17	2.25

¹ Includes land at average of share rent, cash rent, and a charge for owner-operated land based on acquisition value. Acquisition value is assumed to be the average of the last 35 years. ² Preliminary.

Source: U.S. Dept. of Agriculture, Economic Research Service. Data published by U.S. Senate, Committee on Agriculture, Nutrition, and Forestry in "Costs of Producing Selected Crops, Final 1979 and 1980 and Preliminary 1981" (97th Congress, 2nd session) June 1982.

No. 1202. CROPS—ACREAGE AND VALUE, 1979 TO 1981, AND ORDER OF VALUE, 1980, BY STATES

STATE	ACREAGE HARVESTED (1,000)			FARM VALUE (mil. dol.)				Crops in order of value, 1980
	1979	1980	1981, prel.	1979	1980	1981, prel.		
						Value	Rank	
U.S. ¹	337,866	346,889	358,265	77,822	81,880	82,907	(x)	Corn, soybeans, wheat, hay.
Ala.	4,136	4,096	4,865	794	628	908	33	Soybeans, cotton lint, peanuts, hay
Ark.	1,083	1,194	1,227	867	1,005	971	31	Cotton lint, hay, lettuce, cottonseed
Ark.	8,333	8,398	9,658	1,806	1,573	1,899	17	Rice, soybeans, cotton lint, wheat
Calif.	8,455	6,662	6,890	8,183	9,116	7,864	1	Grapes, cotton lint, hay, rice
Colo.	6,262	6,826	6,689	932	1,256	1,074	26	Wheat, corn, hay, potatoes
Conn.	144	145	146	68	77	69	47	Tobacco, hay, apples, sweet corn
Del.	519	526	547	132	124	132	42	Corn, soybeans, potatoes, wheat
Fla.	1,537	1,522	1,549	2,528	2,762	2,357	12	Oranges, sugarcane ² , grapefruit, tomatoes
Ga.	5,374	5,635	6,391	1,399	1,071	1,509	20	Peanuts, corn, soybeans, tobacco
Hawaii	108	105	106	332	519	136	41	(NA)
Idaho	4,594	4,681	4,918	1,173	1,651	1,318	21	Potatoes, wheat, hay, barley
Ill.	23,827	24,004	24,110	6,619	6,319	6,578	3	Corn, soybeans, wheat, hay
Ind.	12,553	12,878	13,086	3,123	3,549	2,979	7	Corn, soybeans, wheat, hay
Iowa	25,342	25,646	25,744	8,418	7,222	6,834	2	Corn, soybeans, hay, oats
Kans.	20,858	21,645	21,888	3,062	2,868	2,744	8	Wheat, sorghum, corn, hay
Ky.	5,223	5,447	5,936	1,421	1,584	1,965	15	Tobacco, corn, soybeans, hay
La.	5,129	5,272	5,580	1,275	1,243	1,042	28	Soybeans, rice, sugarcane ² , cotton lint
Maine	411	406	407	137	229	183	40	Potatoes, hay, apples, blueberries
Md.	1,562	1,593	1,647	376	394	479	35	Corn, soybeans, tobacco, hay
Mass.	162	164	164	89	107	112	44	Cranberries, hay, apples, tobacco
Mich.	6,809	7,066	7,369	1,581	1,930	1,785	18	Corn, soybeans, dry edible beans, hay
Minn.	21,653	21,831	22,277	3,647	4,344	4,298	5	Corn, soybeans, wheat, hay
Miss.	6,404	6,403	6,702	1,463	1,192	1,314	22	Soybeans, cotton lint, rice, cottonseed
Mo.	14,336	14,624	14,786	2,535	2,286	2,859	9	Soybeans, corn, wheat, hay
Mont.	8,813	8,586	9,719	799	958	1,068	27	Wheat, hay, barley, sugarbeets
Nebr.	18,213	18,951	19,291	3,434	3,578	3,865	6	Corn, wheat, hay, soybeans
Nev.	562	571	534	122	145	115	43	Hay, potatoes, alfalfa seed, wheat
N.H.	116	116	117	22	21	24	45	Hay, apples, maple syrup
N.J.	549	541	546	227	240	274	37	Corn, soybeans, peaches, hay
N. Mex.	1,323	1,383	1,371	261	299	300	36	Hay, cotton lint, wheat, sorghum
N.Y.	4,311	4,331	4,240	885	1,103	1,030	30	Hay, corn, apples, potatoes
N.C.	5,263	5,414	5,620	1,842	2,088	2,475	10	Tobacco, corn, soybeans, peanuts
N. Dak.	20,726	18,350	22,926	2,077	1,733	2,472	11	Wheat, sunflowers, hay, barley
Ohio	11,023	11,041	10,896	2,624	3,110	2,255	13	Corn, soybeans, wheat, hay
Ola.	9,830	9,989	10,020	1,446	1,153	1,190	24	Wheat, hay, cotton lint, sorghum
Oreg.	2,646	2,740	2,753	858	1,094	1,034	29	Wheat, hay, potatoes, ryegrass seed
Pa.	4,496	4,564	4,648	995	1,071	1,137	25	Corn, hay, mushrooms, apples
R.I.	18	18	18	6	7	7	49	Potatoes, hay, apples
S.C.	2,856	2,866	3,148	734	817	801	34	Tobacco, soybeans, corn, peaches
S. Dak.	15,121	14,898	15,812	1,350	1,380	1,583	19	Corn, hay, wheat, soybeans
Tenn.	6,211	5,386	5,726	879	919	1,182	23	Soybeans, tobacco, corn, hay
Tex.	22,750	22,981	24,284	4,617	4,033	4,881	4	Cotton lint, sorghum, wheat, hay
Utah	1,149	1,144	1,127	213	256	244	38	Hay, wheat, barley, sweet cherries
Vt.	544	549	540	67	70	79	46	Hay, apples, maple syrup, potatoes
Va.	2,849	3,009	3,185	867	818	918	32	Tobacco, corn, hay, soybeans
Wash.	4,556	4,843	5,096	1,549	1,850	1,941	16	Wheat, apples, hay, potatoes
W. Va.	714	721	755	62	105	84	45	Hay, apples, corn, tobacco
Wyo.	9,476	9,568	9,524	1,573	2,108	1,989	14	Corn, hay, potatoes, oats
Wyo.	1,853	1,800	1,800	225	283	240	39	Hay, sugar beets, wheat, barley

NA Not available. X Not applicable. ¹ Excludes Alaska. ² For sugar and seed.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, Crop Production; Commercial Vegetables; Field Seeds; and Crop Values; all annual.

No. 1203. CORN—SUPPLY, DISAPPEARANCE, AND PRICE SUPPORT: 1960 TO 1981

[In millions of bushels, except as noted. For years beginning October]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Supply, total.	5,895	5,251	5,187	5,187	5,204	5,692	7,394	8,381	9,244	8,283	9,236
Production	3,907	4,103	4,152	4,701	5,841	6,289	6,505	7,268	7,939	6,645	8,201
Imports	1	1	4	2	2	3	3	1	1	1	1
Carryover stocks, Oct. 1	1,787	1,147	1,005	484	361	400	886	1,111	1,304	1,617	1,034
Disappearance, total	3,679	4,409	4,495	4,826	5,804	5,806	6,282	7,077	7,827	7,229	7,609
Domestic	3,387	3,722	3,978	3,677	4,083	4,121	4,334	4,944	5,164	4,874	5,250
Feed and residual	3,092	3,362	3,593	3,228	3,570	3,571	3,744	4,324	4,519	4,139	4,400
Food, industry, and seed	295	360	385	451	523	550	590	620	675	735	850
Exports	292	687	517	1,149	1,711	1,884	1,946	2,133	2,433	2,355	2,350
Price support operations:											
Support or target price (dol. per bu.) ¹	1.06	1.25	1.35	1.38	1.98	1.57	2.00	2.10	2.20	2.35	2.40
National avg. loan rate (dol. per bu.)	1.06	1.05	1.05	1.10	1.10	1.80	2.00	2.00	2.10	2.25	2.40
Quantity placed under loan	637	216	323	77	147	275	1,155	642	558	840	1,965
Percent of production	16	5	8	2	3	4	18	9	7	13	24

¹Includes grain equivalent of corn products. ²See text, p. 648. ³Guaranteed on normal production from participating farms. ⁴Target price was \$2.05 if producer was not in compliance with his normal crop acreage. ⁵National average loan rate for corn put into farmer-owned reserve because of grain embargo was \$2.40 per bushel. ⁶National average loan rate for corn put into farmer-owned reserve was \$2.55 per bushel.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Feed Situation*, quarterly, and *Agricultural Supply and Demand Estimates*, annual. Also in *Agricultural Statistics*, annual.

No. 1204. CORN FOR GRAIN—ACREAGE, PRODUCTION, AND VALUE, BY STATES: 1979 TO 1981

[See *Historical Statistics, Colonial Times to 1970*, series K 502-505, for U.S. data on corn for all purposes]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bu.) ¹			PRODUCTION (mil. bu.) ¹			FARM VALUE (mil. dol.)			PRICE ² (dol. per bu.)	
	1979	1980	1981, prel.	1979	1980	1981, prel.	1979	1980	1981, prel.	1979	1980	1981, prel.	1980	1981, prel.
Total	72,400	73,030	74,624	110	91	110	7,939	6,645	8,201	19,904	20,571	20,001	3.11	2.48
Ala.	502	423	620	61	36	55	31	15	34	90	55	95	3.60	2.80
Calif.	280	270	275	117	135	130	30	36	38	99	148	122	4.05	3.40
Colo.	760	760	790	127	118	137	97	90	108	244	274	271	3.05	2.50
Del.	156	177	181	102	72	83	16	13	15	47	47	48	3.68	3.20
Fla.	339	326	327	53	47	55	18	15	18	51	52	51	3.40	2.85
Ge.	1,550	1,300	1,380	66	42	50	101	55	68	288	188	190	3.45	2.75
Ill.	11,050	11,460	11,280	128	93	129	1,414	1,066	1,453	3,835	3,347	3,631	3.14	2.50
Ind.	6,030	6,280	6,000	112	96	109	675	603	654	1,722	1,906	1,537	3.16	2.35
Iowa	13,100	13,300	13,700	127	110	127	1,664	1,463	1,740	4,026	4,345	4,089	2.97	2.35
Kans.	1,470	1,180	1,280	117	94	126	172	111	159	432	366	405	3.32	2.55
Ky.	1,300	1,480	1,490	102	70	100	133	104	149	361	347	373	3.35	2.50
Md.	595	640	690	89	72	105	58	46	72	167	169	239	3.68	3.30
Mich.	2,500	2,600	2,850	95	95	96	238	247	274	584	753	643	3.05	2.35
Minn.	6,060	6,290	6,770	100	97	110	606	610	746	1,370	1,739	1,676	2.85	2.25
Mo.	2,330	2,070	1,940	103	53	110	240	110	213	583	358	512	3.26	2.40
Nebr.	7,150	7,100	6,980	115	85	115	822	604	803	1,990	1,835	2,007	3.04	2.50
N.Y.	850	730	800	92	93	93	80	68	74	162	233	186	3.43	2.50
N.C.	1,690	1,730	1,830	76	60	77	128	104	141	365	351	373	3.38	2.85
N. Dak.	313	290	313	76	58	81	24	17	42	51	48	86	2.87	2.30
Ohio	3,630	3,900	3,750	115	113	96	417	441	360	1,090	1,379	882	3.13	2.45
Pa.	1,280	1,280	1,400	95	76	96	122	96	134	361	348	349	3.62	2.80
S.C.	509	515	570	80	48	58	41	28	33	118	77	81	3.12	2.45
S. Dak.	2,850	2,300	2,580	74	53	70	211	122	181	437	346	397	2.84	2.20
Tenn.	620	640	640	85	48	86	53	29	56	150	103	149	3.49	2.70
Tex.	1,260	1,300	1,080	105	90	117	132	117	126	373	402	370	3.44	2.80
Va.	615	585	625	83	56	90	51	33	56	144	114	152	3.48	2.70
Wis.	3,080	3,350	3,600	103	104	106	317	348	378	771	1,031	851	2.96	2.25
Other	748	742	813	90	77	95	87	57	77	163	209	226	(x)	(x)

X Not applicable. ¹56 pounds per bushel. ²Season average price received by farmers. State prices weighted by sales to obtain U.S. prices. Includes an allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate, by States.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*, annual, and *Crop Values*, annual.

NO. 1206. WHEAT—SUPPLY, DISAPPEARANCE, AND PRICE SUPPORT: 1960 TO 1981

[In millions of 80-pound bushels, except as noted. For years beginning June 1. For explanation of price support operations, see text, p. 846. See *Historical Statistics, Colonial Times to 1970*, series K 507 and 508-510, for production and stocks]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Supply	3,747	3,336	3,396	3,125	2,584	2,817	3,161	2,955	3,060	3,278	3,785
Production	1,355	1,318	1,352	1,752	2,127	2,149	2,046	1,776	2,134	2,374	2,793
Imports ¹	8	1	1	3	2	2	2	1	2	3	3
Stocks, June 1, total	1,384	921	953	340	435	606	1,113	1,178	924	902	989
Disappearance	1,248	1,577	1,513	1,880	1,898	1,704	1,983	2,051	2,156	2,280	2,626
Domestic use	591	725	772	872	728	754	859	837	783	780	853
Food ²	496	518	517	545	589	588	586	592	598	611	611
Seed and feed ³	95	207	255	127	137	166	273	245	187	169	242
Exports ⁴	653	652	741	1,018	1,173	950	1,124	1,194	1,375	1,510	1,773
Price support operations:											
Support or target price per bushel ⁵	\$1.75	\$2.00	\$2.52	\$2.05	\$2.05	\$2.29	\$2.90	\$3.40	\$3.40	\$3.63	\$3.81
Loan rate	1.76	1.25	1.25	1.37	1.37	2.25	2.25	2.35	2.50	3.00	3.20
Quantity under support	424	173	254	37	52	499	591	257	162	331	446
Percent of production	31.3	13.1	18.8	2.1	2.4	23.2	28.9	14.5	8.5	13.9	16.0

¹Imports and exports include flour and other products expressed in wheat equivalent. Compiled from reports of the U.S. Bureau of the Census. ²Used for food in the U.S., U.S. Territories, and by the military. ³Residual; approximates feed use and includes negligible quantities used for distilled spirits and beer. ⁴Beginning 1974, target price on allotted production.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Wheat Situation*, quarterly. Also in *Agricultural Statistics*, annual.

NO. 1206. WHEAT—ACREAGE, PRODUCTION, AND VALUE, BY STATES: 1979 TO 1981

[See *Historical Statistics, Colonial Times to 1970*, series K 508-508, for U.S. acreage, production, and price]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bushels) ²			PRODUCTION (mil. bushels) ³			FARM VALUE (mil. dol.)			PRICE ⁴ (dol. per bu.)	
	1979	1980	1981 ¹	1979	1980	1981 ¹	1979	1980	1981 ¹	1979	1980	1981 ¹	1980	1981 ¹
Total	62,654	70,984	80,945	34	35	36	2,134	2,374	2,793	8,079	9,278	10,226	3.91	3.86
Ariz.	125	215	256	78	80	85	9.5	17.2	21.8	35	70	83	4.06	4.28
Ark.	420	685	1,850	35	38	41	14.7	32.9	67.6	54	124	233	3.78	3.45
Calif.	800	1,150	1,385	71	74	79	56.5	85.5	107.1	228	365	440	4.27	4.10
Colo.	2,641	3,400	3,101	27	32	28	70.2	110.3	87.4	245	398	310	3.81	3.54
Ga.	175	600	1,070	35	33	43	6.1	19.8	46.0	23	72	152	3.86	3.30
Idaho	1,470	1,550	1,510	50	62	60	74.1	96.0	89.8	280	351	330	3.86	3.67
Ill.	1,250	1,570	1,850	43	48	50	53.8	75.4	92.5	213	298	319	3.93	3.46
Ind.	945	1,100	1,350	47	48	48	44.4	53.9	62.1	177	208	220	3.85	3.55
Iowa	10,600	12,000	12,200	38	35	25	410.4	420.0	305.0	1,527	1,588	1,159	3.78	3.80
Ky.	280	350	680	38	40	42	11.0	13.8	28.6	44	53	98	3.85	3.45
Mich.	90	97	137	37	38	41	3.3	3.7	5.6	14	15	18	4.04	3.25
Minch.	735	800	830	43	44	50	31.6	35.2	41.5	121	127	147	3.80	3.55
Minn.	2,578	3,189	3,610	36	32	40	90.4	102.6	144.0	335	415	539	4.04	3.74
Miss.	115	300	600	32	31	40	3.7	9.3	24.0	15	39	78	4.20	3.25
Mo.	1,800	2,070	2,750	44	43	42	70.4	89.0	115.5	268	336	387	3.77	3.35
Mont.	5,125	5,100	5,820	23	24	30	118.5	119.8	172.8	414	490	635	4.14	3.67
Nebr.	2,550	2,850	2,950	34	38	36	86.7	108.3	106.2	316	403	393	3.72	3.70
N. Mex.	410	500	500	22	21	18	9.0	10.5	9.0	35	39	33	3.76	3.70
N.Y.	160	150	160	41	40	44	6.6	6.0	7.0	25	24	22	3.93	3.15
N.C.	210	300	410	36	35	39	7.8	10.5	16.0	28	39	52	3.75	3.25
N. Dak.	9,600	9,620	11,890	26	19	28	252.2	179.7	331.7	964	790	1,174	4.40	3.54
Ohio	1,320	1,370	1,850	48	49	44	63.4	87.1	72.6	258	273	285	4.06	3.65
Ola.	5,700	6,500	6,400	38	30	27	216.6	195.0	172.8	847	747	685	3.80	3.85
Oreg.	1,245	1,350	1,310	48	57	59	57.3	77.4	77.4	217	308	296	3.98	3.85
Pa.	235	250	270	31	37	36	7.3	9.3	9.7	31	38	33	4.10	3.35
S. Dak.	2,805	3,245	3,820	21	19	23	60.1	62.4	69.0	219	265	319	4.24	3.58
Tenn.	250	450	850	34	38	44	8.5	17.1	37.4	32	65	131	3.80	3.50
Tex.	4,800	5,200	5,550	30	25	28	138.0	130.0	183.0	528	482	669	3.71	3.65
Utah	282	272	257	28	33	35	7.4	8.9	8.9	27	34	32	3.85	3.84
Va.	180	288	380	35	37	44	6.3	10.6	17.2	26	41	58	3.67	3.40
Wash.	2,980	3,180	3,050	40	51	55	118.0	160.2	168.4	480	638	685	3.98	3.95
Wyo.	267	315	284	22	27	30	6.4	8.6	8.4	22	32	29	3.72	3.40
Other	451	630	1,626	34	34	41	18.1	28.3	67.2	62	107	229	(x)	(x)

X Not applicable. ¹Preliminary. ²80 pounds per bushel. ³See footnote 2, table 1204.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*, annual, and *Crop Values*, annual.

No. 1207. SOYBEANS—SUPPLY, DISAPPEARANCE, AND PRICE SUPPORT: 1960 TO 1981

(For years beginning Sept. 1. See *Historical Statistics, Colonial Times to 1970*, series K 521, for production)

ITEM	Unit	1960	1965	1970	1975	1978	1977	1976	1979	1980	1981, est.
Supply, total	ML. bu.	807	875	1,367	1,736	1,533	1,865	2,030	2,442	2,151	2,348
Production	ML. bu.	565	646	1,127	1,545	1,269	1,762	1,869	2,266	1,702	2,030
Stocks, Sept. 1	ML. bu.	52	30	230	188	245	103	161	174	358	318
Disappearance, total	ML. bu.	880	840	1,258	1,481	1,430	1,784	1,888	2,083	1,833	2,079
Crushed	ML. bu.	406	536	760	865	700	927	1,018	1,123	1,020	1,050
Seed	ML. bu.	33	43	48	54	62	69	80	88	89	118
Feed and residual ¹	ML. bu.	6	9	16	17	14	8	19	17		
Net exports	ML. bu.	135	251	434	555	564	700	739	875	724	910
Percent of total	Percent	23.2	29.8	34.5	37.2	38.5	41.1	38.8	42.0	39.0	44.0
Ending stocks	ML. bu.	27	36	99	245	103	161	174	358	318	270
Price support:											
Support price per bushel	Dollars	1.85	2.25	2.25	(²)	2.50	3.50	4.50	4.50	5.02	5.02
Quantity under support	ML. bu.	26	87	146	(²)	22	97	64	122	133	222
Percent of production	Percent	4.7	10.3	13.0	(²)	1.7	5.5	3.4	6.4	7.4	10.9

X Not applicable. ¹Residual represents adjustment for statistical discrepancy. ²Price support not authorized for the 1975 crop.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Fats and Oils Situation*, quarterly. Also in *Agricultural Statistics*, annual.

No. 1208. SOYBEANS FOR BEANS—ACREAGE, PRODUCTION, AND VALUE, BY STATES: 1979 TO 1981

(See *Historical Statistics, Colonial Times to 1970*, series K 521, for U.S. totals)

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bu.)			PRODUCTION (mil. bu.)			PRICE (dol. per bu.)			FARM VALUE (mil. dol.)		
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
Total ¹	70,568	67,866	66,688	32.1	28.4	30.4	2,268	1,792	2,030	8.28	7.57	6.37	14,250	13,580	12,943
Ala.	2,150	2,100	2,050	25.0	15.0	23.0	54	32	47	6.15	7.63	6.25	331	240	295
Ark.	5,150	4,350	4,500	28.0	15.0	22.0	144	65	99	6.44	7.91	6.50	929	516	644
Ga.	2,100	2,140	2,180	28.0	11.0	19.0	59	24	41	6.32	7.58	6.40	372	178	265
Ill.	9,720	9,250	9,330	39.0	33.5	38.0	379	310	355	6.46	7.62	6.50	2,449	2,361	2,305
Ind.	4,420	4,380	4,600	36.0	36.0	33.0	159	158	152	6.32	7.58	6.35	1,006	1,195	964
Iowa	8,170	8,270	8,150	37.5	36.5	40.5	306	318	330	6.17	7.39	6.35	1,890	2,353	2,098
Kans.	1,580	1,450	1,510	26.5	16.5	30.0	41	24	45	5.97	7.55	6.10	247	181	276
Ky.	1,680	1,600	1,700	32.5	22.5	28.5	54	36	50	6.42	7.75	6.70	346	279	336
La.	3,350	3,350	3,130	28.0	20.0	21.0	94	67	66	6.42	7.87	6.55	602	527	431
Mich.	1,010	950	970	30.0	32.0	30.0	30	30	28	6.13	7.47	6.35	186	227	165
Minn.	5,080	4,760	4,400	32.0	31.5	33.0	163	150	145	6.00	7.23	6.30	875	1,084	915
Miss.	4,100	3,850	3,800	29.0	16.0	21.0	119	62	76	6.37	7.81	6.50	757	481	491
Mo.	5,830	5,530	5,050	31.5	24.5	31.5	184	135	159	6.22	7.59	6.30	1,142	1,028	1,002
Nebr.	1,610	1,770	2,120	34.0	30.0	39.0	55	53	83	5.93	7.18	6.15	325	381	506
N.C.	1,950	1,830	1,880	23.5	18.0	25.0	46	35	47	6.45	7.83	6.35	296	272	296
Ohio	4,080	3,780	3,500	35.5	36.0	28.5	145	135	100	6.33	7.66	6.50	917	1,037	648
S.C.	1,680	1,800	1,550	24.0	13.0	21.0	40	21	33	6.51	7.85	6.45	259	163	210
Tenn.	2,620	2,550	2,350	27.0	18.0	26.0	71	48	61	6.35	7.88	6.25	449	362	382
Tex.	805	830	480	26.0	22.0	22.0	21	14	11	6.00	7.69	6.00	126	107	63
Va.	536	810	635	26.5	15.0	27.0	15	9	17	6.28	7.68	6.25	96	72	107

¹Includes States not shown separately.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*, annual, and *Crop Values*, annual.

No. 1209. SORGHUM GRAIN—SUPPLY, DISAPPEARANCE, AND PRICE SUPPORT: 1960 TO 1981

(In millions of bushels, except as noted. For years beginning Oct. For explanation of price supports, see p. 649)

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Total supply	1,201	1,239	927	996	844	789	762	872	922	888	726	969
Production	820	673	683	623	623	754	711	781	731	609	579	680
Carryover stocks	581	566	244	73	61	35	51	91	191	160	147	109
Disappearance	489	648	837	935	649	739	671	682	753	822	617	736
Domestic total	428	582	693	701	437	509	425	468	556	497	318	461
Feed and residual	415	569	680	690	426	466	414	458	545	484	307	450
Exports	71	266	144	234	212	229	246	214	207	325	299	275
Price support operations:												
Support or target price per cwt	\$1.52	\$2.00	\$2.14	\$2.61	\$2.34	\$2.34	\$2.66	\$4.07	\$4.07	\$4.18	\$4.46	\$4.55
National avg. loan rate per cwt.	\$1.52	\$1.65	\$1.61	\$1.79	\$1.88	\$1.88	\$2.55	\$3.39	\$3.39	\$3.57	\$3.82	\$4.07
Placed under loan (mil. cwt)	109.3	59.4	17.1	10.4	2.2	4.9	11.9	121.4	51.6	35.6	18.1	155.0
Percent of production	10	20	1	1	1	1	1	26	13	6	5	39

¹Target price was \$4.36 per cwt, if producer was not in compliance with his normal crop acreage. ²National average loan rate for grain sorghum put into the farmer-owned reserve was \$4.07 per cwt in 1980 and \$4.32 per cwt in 1981.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Feed Situation*, quarterly, and *Agricultural Supply and Demand Estimates*, periodic. Also in *Agricultural Statistics*, annual.

No. 1210. RICE, ROUGH EQUIVALENT—SUPPLY, DISAPPEARANCE, AND PRICE SUPPORT: 1960 TO 1981

(In millions of hundredweight, except as noted. For years beginning August. Milled rice converted to a rough rice basis. See *Historical Statistics, Colonial Times to 1970*, series K 539, for production)

ITEM	1960	1965	1970	1972	1974	1975	1976	1977	1978	1979	1980	1981, prel
Supply, total	67.0	84.6	101.7	94.1	120.3	135.5	152.8	138.8	160.7	163.8	172.1	202.2
Farm production	54.6	76.3	83.8	92.6	112.4	128.4	115.6	99.2	133.2	131.9	146.2	165.4
Beginning stocks	12.1	7.7	18.4	5.1	7.8	7.1	38.9	40.5	27.4	31.8	25.7	16.5
Imports	3	7	1.4	2	(2)	(2)	1	1	1	1	2	3
Disappearance, total	58.9	75.4	93.0	90.2	113.2	98.5	112.1	112.4	129.1	137.9	155.8	148.0
Domestic	26.9	30.8	34.4	37.6	41.0	40.3	42.7	37.7	49.2	49.2	54.5	56.5
Food	19.9	23.4	25.1	28.1	28.6	27.7	29.2	23.5	33.7	33.2	38.4	(NA)
Industry	4.9	4.7	8.8	8.1	5.4	9.1	10.3	9.9	11.2	11.2	11.0	(NA)
Seed	2.1	2.7	2.5	3.6	4.0	3.5	3.2	4.3	4.3	4.8	5.1	(NA)
Exports	29.5	43.3	48.5	49.7	69.5	56.5	65.6	72.8	75.7	82.6	91.4	66.5
Residual ²	+ 5	+ 2.2	+ 2.1	+ 2.7	+ 2.7	+ 1.8	+ 3.8	+ 1.9	+ 4.2	+ 6.1	+ 9.7	+ 5.0
Price support operations:												
Target price per cwt. ¹	(X)	(X)	(X)	(X)	(X)	(X)	\$8.25	\$8.25	\$8.53	\$9.05	\$9.49	\$10.66
Loan rate per cwt.	\$4.42	\$4.50	\$4.66	\$6.07	\$7.54	\$8.52	\$6.19	\$6.19	\$6.40	\$6.79	\$7.12	\$8.01
Quantity under support	13.1	10.0	20.8	19.1	9.3	21.5	23.4	19.5	27.1	25.9	25.0	42.8
Percent of production	24.0	13.1	24.8	20.8	8.3	16.7	20.2	19.7	20.3	19.6	17.1	23.1

NA Not available. X Not applicable. Z Less than 50,000. ¹ Adjusted on basis of bills of lading presented to U.S. Dept. of Agriculture.

² Results from losses in drying, storage, handling, and milling and errors in estimation. ³ Represents target price on allotted production.

Source: U.S. Dept. of Agriculture, *Agricultural Statistics*, annual.

No. 1211. POTATOES—ACREAGE, PRODUCTION, AND VALUE, BY STATES: 1979 TO 1981

(Excludes Alaska and Hawaii. 1981 preliminary. Price is season average received by farmers; State prices weighted by sales. See *Historical Statistics, Colonial Times to 1970*, series K 532-534, for U.S. acreage, production, price)

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (cwt)			PRODUCTION (mil cwt)			PRICE (dol. per cwt)			FARM VALUE (mil. dol.)		
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
Total	1,270	1,154	1,232	270	252	271	342	303	334	3.43	6.55	5.40	1,172	1,879	1,786
Calif	56	51	56	372	370	374	21	■	21	5.00	9.00	10.50	105	169	216
Colo.	46	42	47	288	297	297	13	13	14	2.91	6.70	4.30	39	84	59
Fla	28	27	30	215	194	220	6	5	7	5.06	6.85	11.10	30	36	73
Idaho	330	300	325	258	266	246	85	80	80	2.95	5.65	4.55	251	451	364
Maine	113	104	104	245	240	255	28	25	27	3.25	7.25	4.80	90	181	127
Mich	41	40	38	235	227	222	10	9	9	4.44	6.65	6.65	42	60	56
Minn	74	69	76	196	186	196	15	11	15	3.11	8.00	5.30	46	92	79
Nev	15	19	12	330	340	280	5	4	3	2.75	5.20	5.20	14	23	18
N.Y.	45	44	44	285	252	281	13	11	12	4.14	8.65	6.30	54	96	77
N. Dak	114	112	115	180	140	175	18	16	20	3.25	6.85	4.50	59	107	91
Oreg	■	47	54	402	420	402	26	20	22	2.83	4.60	4.40	72	91	95
Pt	24	22	21	250	190	250	6	4	5	5.00	7.90	6.50	30	33	34
Wash	102	87	108	475	505	485	48	44	52	2.55	4.40	3.80	124	163	199
Wis	54	50	54	315	320	340	17	16	18	4.30	10.10	4.40	73	162	80
Other	165	146	148	194	178	198	32	26	29	(X)	(X)	(X)	143	199	218

X Not applicable.

Source: U.S. Dept. of Agriculture, *Statistical Reporting Service, Crop Production*, annual, and *Crop Values*, annual.

No. 1212. PEANUTS—ACREAGE, PRODUCTION, VALUE, AND PRICE SUPPORT: 1960 TO 1981

(Years beginning August. See also *Historical Statistics, Colonial Times to 1970*, series K 547-549)

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Acreage harvested	1,000	1,395	1,438	1,468	1,472	1,500	1,516	1,512	1,508	1,520	1,399	1,493
Production for nuts	Mil. lb	1,716	2,390	2,989	3,668	3,847	3,739	3,715	3,952	3,868	2,301	3,988
Farmers' stock ¹	Mil. lb	7.2	7.4	2.8	38.4	227.0	250.0	54.4	26.7	13.5	63.4	26.3
Yield per acre	Lb	1,232	1,661	2,030	2,491	2,564	2,464	2,456	2,619	2,611	1,645	2,670
Average price per lb	Cents	10.0	11.4	12.8	17.9	19.6	20.0	21.0	21.1	20.6	25.1	26.8
Value of production	Mil. dol	172	272	383	658	755	747	781	834	819	578	1,070
Support price per lb	Cents	10.1	11.2	12.8	18.3	19.7	20.7	21.5	21.0	21.0	22.8	22.8
Quantity under support	Mil. lb	352	733	1,084	1,072	1,136	854	536	520	709	337	840
Percent of production	Percent	20.5	30.7	36.3	29.2	29.5	22.8	14.4	13.2	17.9	14.6	21.1

¹ Preliminary. ² Stocks on hand as of beginning of year. Excludes shelled peanuts and cleaned peanuts (roasting stocks).

³ Quota peanuts were supported at 21.0 cents per lb. in 1978 and 1979 and 22.8 cents in 1980 and 1981. Additional peanuts were supported at 12.5 cents per lb. in 1978, 15.0 cents in 1979, and 12.5 cents in 1980 and 1981.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Fats and Oils Situation*, quarterly. Also in *Agricultural Statistics*, annual.

No. 1213. COTTON—SUMMARY: 1960 TO 1981

[In thousands of net weight 480 lb. bales, except as indicated. For years beginning Aug. 1. Excludes liners. Excludes Alaska, Hawaii, and Puerto Rico except for imports and exports. Production figures are compiled from reports of individual ginnery. Price per pound is average price received by farmers. For stocks, see *Historical Statistics, Colonial Times to 1970*, series K 554-556]

YEARLY AVERAGE OR YEAR	PRODUCTION		Consumption ¹	Net exports	Net imports	Beginning carry-over	Average price per pound of upland cotton (cents)	PRICE SUPPORT OPERATIONS ²		
	Running bales	Equivalent 480-lb. bales						Price per lb. ³ (cents)	Total under support	Percent of production
1960-1984	14,779	14,794	8,676	5,082	134	9,232	31.2	32.8	7,044	46.8
1965-1969	10,557	10,571	8,920	3,586	98	11,355	23.7	32.8	3,917	37.5
1970-1974	11,511	11,777	7,513	4,528	45	4,267	33.3	37.5	1,932	16.8
1975-1979	11,485	11,751	6,653	5,786	29	4,324	57.6	43.6	1,555	13.2
1970	10,112	10,192	6,204	3,897	37	5,843	21.9	37.1	2,386	23.7
1975	8,151	8,302	7,250	3,311	92	6,708	51.1	36.1	681	8.5
1976	10,347	10,581	6,674	4,784	38	3,861	63.8	36.9	941	9.2
1977	14,018	14,389	6,483	5,484	5	2,828	52.1	44.8	4,518	31.6
1978	10,549	10,855	6,352	6,180	4	5,347	58.1	48.0	1,524	14.2
1979	14,262	14,629	6,506	9,229	5	3,958	62.3	50.2	1,720	11.6
1980	10,826	11,122	5,891	5,926	28	3,000	74.4	46.0	2,276	21.0
1981, prel.	15,150	15,648	5,270	6,567	26	2,668	54.5	52.5	6,025	38.6

¹Adjusted to cotton season. ²Data from U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service.

³For 1960-63, support loan for middling 1-inch; 1964-74, support loan plus direct support payment; 1975-81, loan rate for strict low middling 1½", mic. 3.5-4.9. For text on price supports, see p. 648. ⁴Average for the first eight months of marketing year

Source: U.S. Dept. of Agriculture, Economic Research Service, *Cotton and Wool Outlook Statistics*, periodic.

No. 1214. COTTON—ACREAGE, PRODUCTION, AND VALUE, BY STATES: 1979 TO 1981

[Cotton production excludes liners. Values shown are for marketing season or crop year and should not be confused with calendar-year income. See *Historical Statistics, Colonial Times to 1970*, series K 553-558 for U.S. totals]

STATE	ACREAGE HARVESTED (1,000)			YIELD PER ACRE (lb.)			PRODUCTION (1,000 bales) ¹			FARM VALUE ² (mil. dol.)			FARM PRICE PER LB. ³ (cents)		
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
Total ⁴	12,831	12,216	12,841	547	404	543	14,829	11,122	15,648	4,391	3,967	4,109	62.5	74.7	54.7
Ala.	305	321	372	510	411	545	324	275	422	102	105	115	65.3	79.2	57.0
Ariz.	818	591	633	1,046	1,158	1,221	1,347	1,426	1,810	418	520	440	68.1	75.9	57.0
Ark.	530	645	580	549	330	518	608	444	804	180	183	165	65.3	75.7	57.0
Calif.	1,635	1,540	1,530	1,000	969	1,109	3,408	3,109	3,535	1,127	1,161	1,076	68.9	77.8	63.4
Ga.	150	180	175	486	256	436	152	85	158	48	32	43	65.5	77.9	55.7
La.	485	580	696	712	394	512	680	460	742	212	172	197	64.0	77.8	55.4
Miss.	1,050	1,125	1,200	657	486	626	1,437	1,143	1,586	438	419	428	63.5	76.4	57.0
Mo.	137	241	183	550	353	441	157	177	168	47	62	45	62.4	72.7	56.0
N. Mex.	141	127	113	380	430	600	112	114	141	34	45	41	68.5	82.4	80.4
N.C.	45	65	82	455	381	558	43	52	95	13	20	26	64.7	79.5	56.0
Okla.	580	585	640	432	174	330	522	205	440	150	75	68	59.7	76.6	41.9
S.C.	109	120	118	510	306	667	118	77	164	37	29	46	66.2	79.8	57.9
Tenn.	230	275	305	357	349	486	171	200	315	52	75	82	62.9	78.3	54.3
Tex.	5,831	5,873	7,216	389	234	377	5,538	3,345	5,663	1,474	1,106	1,309	55.7	66.7	48.2

¹Bales of 480 lb. net weight. ²Includes allowance for unredeemed loans in 1979 and 1980. For 1981, average price to Apr. 1, 1982, with no allowance for unredeemed loans. ³Includes States not shown separately.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*, annual, and *Crop Values*, annual.

No. 1215. TOBACCO—PRODUCTION, DISAPPEARANCE, AND STOCKS: 1961 TO 1981

[In millions of pounds. Flue-cured and cigar wrapper, crop year, July-June; all other types, October-September. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. Farm-sales-weight basis, except as noted. See *Historical Statistics, Colonial Times to 1970*, series K 562, for production]

ITEM	1961-1965, avg.	1966-1970, avg.	1971-1975, avg.	1976-1980, avg.	1970	1975	1976	1977	1978	1979	1980	1981
Production	2,161	1,854	1,874	1,878	1,906	2,182	2,137	1,914	2,025	1,527	1,786	2,062
Domestic disappearance ¹	1,468	1,340	1,308	1,186	1,278	1,290	1,229	1,202	1,193	1,175	1,130	1,137
Exports	553	650	650	662	638	654	678	693	785	664	631	675
Imports ²	170	220	329	369	219	391	366	322	376	415	366	335
Stocks, end of year ³	4,182	4,016	3,290	3,444	3,678	3,297	3,540	3,580	3,601	3,259	3,260	3,460

¹U.S. tobacco only. ²Source: U.S. Bureau of the Census. Calendar year, declared weight; includes stems, trimmings, and scrap. ³Marketing year.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation*, quarterly.

No. 1216. TOBACCO—ACREAGE, PRODUCTION, AND VALUE, BY STATES: 1979 TO 1981

(See *Historical Statistics, Colonial Times to 1970*, series K 561-563, for U.S. acreage, production, and price)

STATE	ACREAGE HARVESTED (1,000)			YIELD PER ACRE (pounds)			PRODUCTION (mil. lb.)			PRICE ¹ (dol. per lb.)			FARM VALUE (mil. dol.)		
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
Total ²	927	921	974	1,845	1,940	2,118	1,527	1,788	2,082	1.41	1.52	1.71	2,154	2,721	3,514
Conn.	3	3	3	1,539	1,595	1,784	5	5	6	5.74	6.61	5.80	26	35	33
Fla.	10	10	10	2,250	2,130	2,380	23	20	23	1.35	1.45	1.67	31	30	36
Ga.	53	55	55	1,905	2,010	2,200	101	111	121	1.41	1.40	1.63	142	154	197
Ind.	6	7	6	1,950	2,300	2,285	12	17	16	1.45	1.65	1.61	17	26	34
Ky.	174	201	235	1,976	2,064	2,172	343	421	510	1.43	1.64	1.79	490	688	913
Md.	20	23	23	1,130	1,100	1,300	22	25	30	1.40	1.69	1.75	31	43	52
N.C.	338	384	374	1,840	1,987	2,132	621	762	797	1.40	1.47	1.67	667	1,119	1,330
Ohio	10	11	13	1,435	1,788	1,745	14	20	23	1.38	1.59	1.71	19	32	39
Pa.	11	13	13	1,580	1,900	2,050	18	25	27	.72	.87	.80	13	21	22
S.C.	57	66	66	2,085	1,930	2,168	119	125	160	1.42	1.40	1.65	167	175	247
Tenn.	60	65	79	1,745	1,728	2,053	105	112	161	1.36	1.61	1.78	144	180	287
Va.	67	65	73	1,830	1,635	2,153	110	107	158	1.40	1.46	1.67	153	156	264
W.Va.	13	13	13	1,942	2,013	1,946	25	26	26	1.17	1.25	1.10	29	32	29

¹ See footnote 2, table 1200. ² Includes States not shown separately.Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*, annual, and *Crop Values*, annual.

No. 1217. SUGAR, BEET AND CANE—SUPPLY AND DISAPPEARANCE: 1960 TO 1981

(In thousands of short tons, raw value. Minus sign (-) denotes decrease)

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Total supply	11,877	13,025	14,362	14,236	13,132	14,515	15,827	14,826	14,821	14,119	14,366
United States production	4,008	5,370	5,874	5,882	6,300	6,798	6,089	5,802	5,793	5,738	6,206
Beet	2,439	3,044	3,511	3,221	3,473	4,003	3,423	3,067	3,066	3,052	3,184
Mainland cane ¹	634	1,106	1,201	1,400	1,720	1,745	1,632	1,506	1,667	1,661	1,885
Hawaii	936	1,218	1,162	1,041	1,107	1,050	1,034	1,029	1,060	1,023	1,037
Imports	4,865	4,027	5,286	5,770	3,832	4,656	6,136	4,883	5,027	4,495	5,014
Puerto Rico	803	834	353	157	86	203	102	52	47	178	48
Beginning stocks	2,060	2,784	2,669	2,646	2,854	2,856	3,496	4,491	3,754	3,701	3,082
Total disappearance	8,447	10,220	10,926	11,361	10,276	11,017	11,336	11,074	10,826	11,028	10,921
U.S. consumption	8,022	10,060	10,532	10,945	10,302	10,883	11,069	10,689	10,758	10,189	9,770
Exports	46	89	66	72	216	76	22	16	18	650	1,046
Other ²	379	51	328	364	-242	46	215	169	148	189	103

¹ Florida, Louisiana, and, beginning 1974, Texas. ² Includes minor quantities from Virgin Islands. ³ Includes net change in invisible stocks, balancing items, and minor quantities of sugar for livestock feed and alcohol.Source: U.S. Dept. of Agriculture, Economic Research Service, *Sugar and Sweetener Outlook and Situation*, quarterly.

No. 1218. SUGAR, BEET AND CANE—U.S. AND WORLD PRODUCTION AND U.S. PRICES: 1960 TO 1981

(Production in thousands of short tons, raw value)

CROP YEAR	WORLD PRODUCTION		UNITED STATES PRODUCTION			CANE (cents per lb.)		
	Total	Percent U.S.	Beet	Cane		Wholesale, N.Y.		Retail, U.S., granulated
				Mainland ¹	Hawaii	Raw, 96° ²	Refined	
1960	59,970	6.7	2,475	630	■	6.3	9.3	11.6
1965	66,467	7.5	2,816	1,104	1,216	11.6	10.0	11.6
1970	77,907	7.4	3,322	1,252	1,162	9.1	11.7	13.0
1972	62,760	7.7	3,632	1,620	1,119	9.1	13.1	13.9
1973	66,164	6.5	3,216	1,420	1,129	10.3	14.1	15.1
1974	66,557	6.4	3,021	1,461	1,041	29.5	34.4	32.3
1975	90,035	7.7	4,018	1,827	1,107	22.5	31.4	37.2
1976	85,069	7.0	3,865	1,674	1,060	13.3	19.2	24.0
1977	112,191	5.7	3,108	1,850	1,034	11.0	17.3	21.6
1978	106,801	5.9	3,269	1,563	1,029	13.9	20.9	23.7
1979	93,211	6.0	2,879	1,640	1,001	15.8	23.2	24.9
1980	96,006	6.1	3,149	1,706	1,023	30.1	41.0	42.7
1981, prel.	108,236	5.8	3,290	1,785	1,037	19.7	26.2	40.0

¹ Florida, Louisiana, and, beginning 1974, Texas. ² Centrifugal. Duty-paid.Source: U.S. Dept. of Agriculture, Economic Research Service, *Sugar and Sweetener Outlook and Situation*, quarterly.

No. 1219. SUGARCANE, BEET AND CANE SUGAR, AND MOLASSES—ACREAGE, PRODUCTION, AND VALUE: 1960 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series K 542-546]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981, prel.
Sugarcane for sugar and seed:											
Acreage harvested	1,000 acres.....	437	617	584	774	747	759	744	733	733	755
Yield per acre	Tons.....	37.7	38.4	41.1	36.6	37.6	35.3	35.0	36.2	36.8	36.3
Production	Mil. tons.....	16.5	23.7	24.0	28.3	28.1	26.8	26.0	26.5	27.0	27.4
Price per ton ¹	Dollars	² 7.41	² 7.90	² 10.50	21.50	15.20	17.70	19.50	26.00	38.50	(NA)
Farm value	Mil. dol.....	² 57	² 110	² 140	606	425	474	507	691	1,036	(NA)
Sugar produced:											
Beet, raw value ³	1,000 tons.....	2,475	2,816	3,322	4,019	3,895	3,106	3,289	2,879	3,149	3,290
Cane, raw value ³	1,000 tons.....	1,566	2,322	2,416	2,934	2,724	2,664	2,612	2,700	2,728	2,833
Per ton of cane ³	Lb.....	199	204	210	214	197	209	211	213	213	217
Cane, refined basis ⁴	1,000 tons.....	1,464	2,170	2,258	2,743	2,545	2,506	2,441	2,524	2,550	2,647
Molasses made.....	Mil. gal.....	101	146	141	183	181	165	162	165	163	183

NA Not available. ¹Season average price received by farmers. Prices exclude Government payments under Sugar Act. ²Excludes Hawaii. ³Raw value equals 98° sugar as defined in Sugar Act of 1948. ⁴Calculated on the basis of 100 lbs. of raw sugar required to produce 93.46 lbs. of refined sugar.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*, annual; and *Crop Values*, annual.

No. 1220. FRUITS—PRODUCTION AND VALUE, 1979 TO 1981, AND LEADING PRODUCING STATES, 1981

FRUIT	PRODUCTION ¹				FARM VALUE (mil. dol.)			Leading States in order of production, 1981
	Unit	1979	1980	1981, prel.	1979	1980	1981, prel.	
Apples (34 States) ²	Mil. lb.....	8,143	8,828	7,744	883	763	865	Wash., N.Y., Mich.
Peaches	Mil. lb.....	2,951	3,060	2,789	331	369	354	Calif., S.C., Ga.
Pears	1,000 tons.....	855	897	892	174	176	165	Calif., Wash., Oreg.
Grapes	1,000 tons.....	4,969	5,595	4,458	1,179	1,340	1,323	Calif., Wash., N.Y.,
Cherries, sweet.....	1,000 tons.....	182	172	153	109	92	100	Wash., Oreg., Calif.
Cherries, tart	Mil. lb.....	170	218	135	81	44	60	Mich., Utah, Wis.
Plums and prunes (fresh).....	1,000 tons.....	664	823	762	172	201	174	Calif., Oreg., Mich.
Oranges and tangerines ³	Mil. boxes ⁴	216.0	279.6	251.1	1,340	1,364	1,396	Fla., Calif., Ariz.
Grapefruit (4 States)	Mil. boxes ⁵	67.4	73.2	67.9	232	303	324	Fla., Calif., Texas
Lemons (2 States) ⁶	Mil. boxes ⁷	19.6	20.8	31.8	135	168	124	Calif., Ariz.

¹Excludes quantities not harvested or not marketed because of economic conditions. ²Production in commercial orchards with 100 or more bearing age trees. ³Four States. ⁴Net content of box varies. In Calif. and Ariz., approximate average for oranges and tangerines is 75 lb.; Fla. oranges, 90 lb.; Tex. oranges, 85 lb.; and Fla. tangerines, 95 lb. ⁵Approximate average, net weight, is 65 lb. in Ariz. and Calif., 85 in Fla., and 80 in Tex. ⁶Includes estimates for Ariz. ⁷About 76 lb. net.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Crop Production*; *Crop Values*; and *Noncitrus Fruits and Nuts*, annual summaries.

No. 1221. COMMERCIAL VEGETABLE AND OTHER SPECIFIED CROPS—AREA, PRODUCTION, AND VALUE, 1979 TO 1981, AND LEADING STATES, 1981

[Relates to commercial production for fresh market and processing combined. Includes market garden areas but excludes minor producing acreage in minor producing States. Excludes production for home use in farm and nonfarm gardens. Value is for season or crop year and should not be confused with calendar-year income]

CROP	AREA ¹ (1,000 acres)			PRODUCTION ² (1,000 short tons)			VALUE ³ (mil. dol.)			States ranked by production, 1981
	1979	1980	1981	1979	1980	1981	1979	1980	1981	
Beans, snap ⁴	265.4	255.7	218.2	769.1	704.2	671.6	117.9	110.0	112.3	Wis., Oreg.
Broccoli	70.9	77.9	76.5	315.1	337.7	376.1	120.9	144.6	175.1	Calif., Tex.
Carrots	78.2	72.5	73.9	1,050.7	977.0	1,023.3	145.1	161.9	182.2	Calif., Tex.
Cauliflower	42.8	43.3	46.0	205.9	212.8	260.5	81.1	95.8	125.3	Calif., N.Y.
Celery	35.7	37.3	36.7	680.2	932.8	931.4	161.0	169.9	200.6	Calif., Fla.
Corn, sweet	598.0	552.9	576.2	3,160.4	2,853.6	3,044.2	264.1	265.1	308.4	Wis., Minn.
Honeydew melons	20.5	17.7	19.6	173.9	159.0	171.0	37.8	42.9	52.6	Calif., Tex.
Lettuce	245.9	236.5	224.0	3,065.5	3,164.9	3,119.1	566.1	565.1	682.1	Calif., Ariz.
Mint for oil.....	124.0	112.6	96.5	3.4	3.4	3.2	63.5	63.9	59.6	Oreg., Wash.
Onions	123.9	113.0	111.6	1,930.1	1,673.8	1,751.1	237.4	346.5	475.4	Calif., Oreg.
Peas, green	392.3	321.7	295.1	613.4	484.2	463.5	129.1	101.4	101.0	Wis., Wash.
Strawberries.....	36.3	35.7	36.6	319.2	350.9	369.9	246.9	288.8	310.3	Calif., Fla.
Tomatoes	437.5	389.5	381.7	8,496.0	7,481.3	7,021.0	1,021.0	904.2	932.1	Calif., Fla.

¹Area of crops for harvest for fresh market, including any partially harvested or not harvested because of low prices or other factors, plus area harvested for processing. ²Excludes some quantities not marketed. ³Fresh market vegetables valued at f.o.b. shipping point. Processing vegetables are equivalent returns at packinghouse door. ⁴Processing only.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Vegetables*, annual summary. Also in *Agricultural Statistics*, annual.

No. 1222. CANNED FOODS—PRODUCTION: 1960 TO 1980

[In millions of standard cases of 24 No. 303 cans, except as noted. Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970*, series P 233-234, for corn and tomatoes in cases of 24 No. 2 cans]

PRODUCT	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980
Fruits¹	97.9	103.9	99.4	97.9	99.2	103.7	91.2	99.2	93.7	95.3	96.9	92.9
Apples ²	3.1	4.1	2.3	2.2	3.2	2.2	1.1	1.9	2.0	2.1	2.4	1.6
Applesauce ³	11.8	15.9	14.1	11.9	15.2	16.6	9.8	9.9	10.7	11.6	12.7	10.6
Apricots	5.1	5.1	3.9	3.0	4.1	2.0	4.4	2.4	2.3	2.1	2.9	3.0
Berries	.8	.7	.4	.4	.3	.4	.4	.3	.1	.3	.2	.2
Cherries, red, pitted	1.6	2.4	1.0	1.3	.6	1.2	1.3	.4	.6	.6	.5	.5
Cherries, sweet	.6	.7	.7	.4	.5	.6	.4	.5	.5	.5	.7	.4
Cranberry sauce ⁴	2.2	3.4	3.9	3.5	4.7	4.3	3.4	3.5	3.4	3.7	3.6	3.6
Fruit cocktail ⁵	12.8	14.5	13.1	11.9	13.4	14.9	13.7	13.6	13.0	11.7	13.6	14.8
Fruit salad/mixed fruits ⁶	1.2	1.2	1.2	1.5	1.6	1.6	1.3	1.2	2.2	2.2	3.1	3.2
Grapefruit sections ^{1,7}	3.0	2.6	2.3	1.9	2.1	1.5	1.1	1.2	1.2	1.3	1.4	(NA)
Peaches	30.8	30.0	29.6	24.0	24.5	32.4	29.0	24.8	29.2	21.4	25.6	26.8
Pears	9.5	6.4	6.6	9.1	9.8	10.7	9.6	11.5	9.6	9.0	10.6	10.7
Pineapple ^{1,8}	15.0	15.0	17.8	16.5	15.0	13.9	14.2	17.3	18.4	18.3	19.5	17.1
Plums ⁹	.4	1.7	.8	.4	1.3	1.2	1.4	1.0	.6	.9	.7	1.1
Juices^{1,7}												
Apple	6.2	9.6	14.1	13.6	14.8	15.4	15.3	15.4	18.2	24.1	25.8	26.4
Grapefruit	11.0	13.8	26.0	29.3	29.0	21.6	25.6	27.7	26.4	25.1	23.6	(NA)
Orange	11.5	12.1	15.4	17.1	13.6	13.3	13.5	14.4	15.6	18.2	17.6	(NA)
Orange-grapefruit	3.2	2.9	2.5	2.1	1.9	1.7	2.8	1.6	1.9	1.4	1.5	(NA)
Pineapple ²	14.4	15.4	13.7	12.3	11.4	8.6	8.7	10.2	12.0	11.3	13.6	(NA)
Tomato ¹	33.0	32.6	30.1	25.7	27.8	29.6	29.0	26.5	22.9	27.9	26.0	23.7
Seasonal vegetables	175.3	204.1	206.7	221.6	235.3	242.3	246.8	217.5	237.1	233.3	265.6	230.6
Asparagus	8.0	7.2	5.9	5.9	5.6	5.6	3.6	3.6	3.7	3.4	2.6	2.5
Beans, green and wax	33.2	45.6	47.6	47.6	55.0	62.3	55.4	47.4	54.5	57.1	66.3	56.2
Beans, lima	3.8	3.0	2.6	2.1	3.2	2.5	3.7	2.8	2.7	3.4	3.1	2.9
Beets ¹	8.8	10.0	11.3	10.0	10.9	15.1	13.1	9.2	11.3	13.0	15.1	10.9
Carrots ²	5.0	4.5	5.4	5.5	6.4	6.9	4.7	5.2	6.6	6.3	7.3	4.4
Corn, sweet	35.3	39.1	47.0	53.0	55.2	48.4	57.5	64.7	56.3	57.9	60.0	50.6
Greens, leafy	2.9	2.7	3.5	2.6	4.0	4.6	3.0	3.1	2.6	2.9	3.2	2.6
Peas, field	2.1	1.8	2.4	2.6	2.6	2.6	2.0	1.9	2.2	2.4	2.5	2.0
Peas, green	28.7	37.8	29.7	33.1	29.6	33.1	35.2	31.9	30.2	25.3	36.5	30.1
Pimientos	.9	.8	.6	.7	.3	.4	.6	.7	.4	.4	.5	.5
Pumpkin and squash	5.9	3.9	4.0	4.1	4.6	4.2	5.6	5.5	3.0	3.4	4.0	3.7
Spinach ²	7.6	6.4	7.3	8.2	6.9	10.8	8.3	8.3	7.1	6.2	6.1	6.3
Tomatoes	31.0	36.0	39.0	43.3	45.4	43.6	53.5	42.6	54.1	49.2	52.9	53.1
Other vegetable packs ³	2.6	5.5	3.2	2.9	3.2	3.8	3.4	2.4	2.4	2.4	3.3	2.8
Nonseasonal vegetables:												
Sweet potatoes ²	6.9	11.1	9.8	9.5	11.4	12.8	7.7	8.0	7.2	9.4	9.2	5.9
White potatoes ¹	4.2	5.0	6.6	5.0	5.7	6.1	6.6	6.2	7.1	6.7	6.5	5.9
Chili sauce	1.4	1.6	1.5	1.7	1.6	1.6	1.7	2.0	1.8	2.8	2.0	2.0
Tomato puree	5.4	6.5	6.9	9.7	9.9	10.3	13.8	8.4	9.8	8.4	10.4	7.9
Seafood, salmon ¹⁰	(NA)	3.6	3.8	1.9	1.5	1.8	1.6	2.7	3.1	3.3	3.3	4.4

NA Not available. ¹Base: 24 No. 2½ cans. ²Pack beginning in year shown. ³California only. ⁴Florida only. ⁵Represents U.S. pack and foreign operations. ⁶Beginning 1965, purple plums only. ⁷Base: 24 No. 2 cans. ⁸Beginning 1970, excludes combination vegetable-tomato juices. ⁹Succotash, carrots and peas, okra, okra and tomatoes, and for 1965, mushrooms. ¹⁰Base: 48-1 lb. cans. Includes Alaska.

Source: National Food Processors Association, Washington, D.C., *Canned Food Pack Statistics*, annual.

No. 1223. PRINCIPAL FROZEN FOODS—PRODUCTION: 1960 TO 1981

PRODUCT	Unit	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total fruits and vegetables	Mil. lb.	2,618	3,672	4,937	5,908	6,077	5,780	6,120	6,933	7,103	7,450	6,923	7,506
Vegetable, excl. potatoes	Mil. lb.	1,407	1,800	1,812	2,467	2,488	2,212	2,156	2,623	2,712	2,785	2,416	2,736
Potato products	Mil. lb.	551	1,219	2,404	2,691	2,885	3,001	3,335	3,623	3,849	4,090	3,853	4,236
Fruits and berries	Mil. lb.	660	653	621	650	604	567	629	687	543	575	653	626
Concentrates, juices and purees	Mil. gal.	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	201	174	184	197	261	215
Seafood	Mil. lb.	284	402	388	410	340	300	552	566	617	606	549	167
Poultry	Mil. lb.	2,000	2,231	2,160	2,209	2,222	2,070	2,359	2,236	2,316	2,806	2,765	3,029

NA Not available. ¹Covers fish fillets and sticks and shrimp only.

Source: American Frozen Food Institute, Burlingame, Calif., *Frozen Food Pack Statistics*, annual. (Copyright.)

NO. 1224. LIVESTOCK—NUMBER ON FARMS AND VALUE: 1950 TO 1982

(Alaska and Hawaii excluded from census data prior to 1959 and from annual data prior to 1965. Prior to 1960, data for sheep refer to stock sheep. See also *Historical Statistics, Colonial Times to 1970*, series K 584-589)

YEAR	ALL CATTLE			HORSE AND PIGS			SHEEP AND LAMBS		
	Number (mil. head)	Total value (bil. dol.)	Value per head (dol.)	Number (mil. head)	Total value (bil. dol.)	Value per head (dol.)	Number (mil. head)	Total value (mil. dol.)	Value per head (dol.)
CENSUS DATA									
1950 (Apr. 1)	78.9	9.1	119	55.8	1.1	19.70	31.4	555	17.69
1954 (Oct.-Nov.)	95.0	8.2	87	57.1	1.9	33.13	31.8	472	14.93
1959 (Oct. 1)	92.5	12.5	135	67.9	1.4	20.18	33.9	556	16.38
1964 (Nov.-Dec.)	105.6	11.9	113	54.1	1.3	24.48	25.5	409	16.06
1969 (Dec. 31)	106.4	19.0	179	55.5	2.2	39.86	21.6	532	24.63
1974 (Dec. 31)	113.2	18.5	163	45.5	2.1	45.37	15.4	474	30.79
1978 (Dec. 31)	105.7	42.7	404	56.8	4.9	83.40	12.4	992	72.06
ANNUAL DATA (Jan. 1)²									
1950	78.0	9.4	124	58.9	1.6	27.10	26.2	466	17.80
1955	95.6	8.5	89	50.5	1.5	30.60	27.1	404	14.90
1960	99.2	13.2	137	59.0	1.1	18.50	33.2	548	16.50
1965	109.0	12.4	113	50.6	1.2	24.50	25.1	401	16.00
1970	112.4	20.2	179	56.7	2.2	39.00	20.4	513	25.10
1971	114.6	21.1	184	67.3	1.6	23.50	19.7	465	23.60
1972	117.9	24.5	208	62.4	1.8	28.50	18.7	429	22.90
1973	121.5	30.8	252	59.0	2.5	42.00	17.8	471	26.70
1974	127.6	37.5	293	60.6	3.7	60.40	16.3	535	32.80
1975	132.0	21.0	159	54.7	2.5	44.90	14.5	442	30.50
1976	128.0	24.3	190	49.3	4.0	80.40	13.3	498	37.30
1977	122.8	25.2	206	54.9	2.6	47.00	12.7	540	42.50
1978	118.4	27.0	232	56.5	3.6	63.20	12.4	541	51.60
1979	110.9	44.7	403	60.4	5.0	83.20	12.4	891	72.10
1980	111.2	55.8	502	67.4	3.8	56.00	12.7	992	78.20
1981	114.3	54.3	475	64.5	4.8	74.70	12.9	903	69.80
1982, prel	115.7	48.0	415	56.7	4.1	70.10	13.1	747	56.90

¹Excludes Fla., Ga., and S.C.

²Beginning 1970, data for hogs and pigs as of Dec. 1, preceding year

Source: Census data—U.S. Bureau of the Census, *Census of Agriculture: 1969*, vol. II; 1974 and 1978, vol. I. Annual data—U.S. Dept. of Agriculture, Statistical Reporting Service, annual livestock summaries. Also in *Agricultural Statistics*, annual.

NO. 1225. MEATS—SLAUGHTERING, PRODUCTION, AND TRADE: 1960 TO 1981

(Quantities represent carcass weight equivalent. 1960-1970 exclude Alaska and Hawaii except for exports and imports. Covers inspected, noninspected, retail, and farm slaughter. Excludes edible byproducts. Excludes USDA exports, military civilian feeding, and voluntary relief feeding. See also *Historical Statistics, Colonial Times to 1970*, series K 583-584)

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
All meats:											
Animals slaughtered, total	Mil. head	135.0	130.7	137.3	124.8	130.6	133.1	128.2	132.9	139.7	136.6
Under Federal inspection	Percent	76	82	89	91	92	93	93	94	94	94
Production, total ¹	Bil. lb.	28.2	31.5	36.2	36.8	39.8	39.7	38.6	37.6	39.0	39.0
Federally inspected	Percent	76	82	89	90	92	93	93	94	94	94
Exports of U.S. production ²	Mil. lb.	223	250	305	449	586	586	548	673	642	715
Imports for consumption	Mil. lb.	1,046	1,347	2,429	2,248	2,600	2,424	2,656	2,974	2,664	2,334
Beef:											
Animals slaughtered, total	Mil. head	26.0	33.2	35.4	41.5	43.2	42.4	40.0	34.0	34.1	35.3
Under Federal inspection	Percent	75	80	87	89	90	92	93	94	94	94
Production, total	Bil. lb.	14.7	16.7	21.7	24.0	26.0	25.3	24.2	21.4	21.6	22.4
Federally inspected	Percent	76	82	89	90	91	92	93	94	94	94
Exports of U.S. production ¹	Mil. lb.	56	91	101	110	158	167	214	215	220	252
Imports for consumption	Mil. lb.	760	923	1,792	1,758	2,079	1,939	2,297	2,405	2,084	1,743
Veal:											
Animals slaughtered, total	Mil. head	6.6	7.8	4.2	5.4	5.5	5.7	4.3	2.9	2.7	2.9
Under Federal inspection	Percent	61	65	72	72	80	85	87	89	89	89
Production, total	Mil. lb.	1,109	1,026	588	573	633	634	632	434	400	436
Federally inspected	Percent	56	56	57	57	66	68	71	73	74	74
Lamb and mutton:											
Animals slaughtered, total	Mil. head	16.2	13.3	10.6	8.1	6.9	6.6	5.5	5.2	5.7	6.2
Under Federal inspection	Percent	66	68	83	84	84	96	96	96	96	96
Production, total	Mil. lb.	768	651	551	410	371	351	309	293	318	336
Federally inspected	Percent	67	68	83	84	84	94	94	94	94	94
Pork:											
Animals slaughtered, total	Mil. head	64.2	76.4	87.0	69.8	74.9	76.4	78.4	90.2	97.2	92.5
Under Federal inspection	Percent	79	83	90	93	94	96	96	96	96	96
Production, total ¹	Bil. lb.	11.6	11.1	13.4	11.5	12.4	13.2	13.4	15.5	16.6	15.9
Federally inspected	Percent	79	84	90	93	94	94	96	96	96	96

¹Excludes lard. ²Includes shipments to territories.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Livestock and Meat Statistics*, annual.

No. 1226. LIVESTOCK ON FARMS, LIVEWEIGHT PRODUCTION, VALUE, AND ANNUAL AVERAGE PRICE RECEIVED BY FARMERS: 1960 TO 1981

[Data for sheep exclude Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series K 575-582]

PRODUCTION AND PRICE	Unit	1960 ¹	1965	1970	1975	1976	1977	1978	1979	1980	1981
All cattle: On farms.....	Mil.....	96.2	109.0	112.4	132.0	128.0	122.8	116.4	110.9	111.2	114.3
Production ²	Bil. lb.....	28.8	34.0	39.4	40.9	41.4	40.7	40.0	38.4	40.1	40.9
Beef, price per 100 lb.....	Dol.....	20.40	19.90	27.10	32.20	33.70	34.40	48.50	66.10	62.40	58.60
Calves, price per 100 lb.....	Dol.....	22.90	22.00	34.50	27.20	34.10	36.90	59.10	88.70	76.80	64.00
Value of production.....	Bil. dol.....	5.9	6.8	10.9	12.8	13.8	14.0	19.6	26.0	25.4	23.5
Hogs and pigs: On farms.....	Mil.....	59.0	50.8	67.3	49.3	54.9	56.5	60.4	67.4	64.5	58.7
Production ²	Bil. lb.....	19.2	18.3	21.8	16.8	18.2	19.0	19.5	22.6	23.4	21.8
Price per 100 lb.....	Dol.....	15.30	19.60	22.70	46.10	43.30	39.40	46.60	41.80	38.00	43.90
Value of production.....	Mil. dol.....	2,946	3,573	4,955	7,756	7,856	7,485	9,066	9,416	8,847	9,537
Sheep: On farms.....	Mil.....	33.2	25.1	20.4	14.5	13.3	12.7	12.4	12.4	12.7	12.9
Production ²	Mil. lb.....	1,628	1,217	1,099	785	733	706	687	709	744	771
Sheep, price per 100 lb.....	Dol.....	5.60	6.34	7.52	11.30	13.10	13.50	21.80	25.80	21.10	21.20
Lambs, price per 100 lb.....	Dol.....	17.90	22.80	26.40	42.10	46.90	51.30	62.80	66.70	63.60	54.90
Value of production.....	Mil. dol.....	253	257	260	303	316	320	382	410	401	358

¹ Alaska and Hawaii excluded. ² Includes adjustment for livestock shipped in and changes in inventory.
Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Meat Animals—Farm Production, Disposition, and Income, by States*, annual summary. Also in *Agricultural Statistics*, annual.

No. 1227. LIVESTOCK ON FARMS—NUMBER, BY STATES: 1979 TO 1982

[In thousands. As of Jan. 1, except for hogs and pigs, Dec. 1]

STATE	ALL CATTLE			MILK COWS ¹			SHEEP AND LAMBS			HOGS AND PIGS		
	1960	1961	1962	1960	1961	1962	1960	1961	1962	1979	1980	1981
U.S.....	111,192	114,321	115,691	10,779	10,860	10,996	12,687	12,936	13,116	67,353	64,512	58,891
Alabama.....	1,730	1,925	1,950	72	64	63	(²)	(²)	(²)	880	800	540
Arizona.....	1,050	1,075	1,000	72	75	79	385	372	377	149	180	170
Arkansas.....	2,050	2,200	2,100	81	80	84	(²)	(²)	(²)	600	720	600
California.....	4,550	4,760	5,000	878	909	940	1,175	1,205	1,210	180	180	160
Colorado.....	2,975	3,125	3,025	72	71	75	870	810	710	430	310	330
Florida.....	2,300	2,480	2,350	184	187	190	(²)	(²)	(²)	425	370	257
Georgia.....	1,600	1,870	1,950	130	130	131	(²)	(²)	(²)	2,360	2,300	1,520
Idaho.....	1,860	1,990	1,850	148	159	168	468	512	498	135	175	150
Illinois.....	2,700	2,650	2,800	235	230	234	173	184	195	6,950	6,600	6,450
Indiana.....	1,850	1,800	1,750	200	207	207	120	135	138	4,850	4,600	4,100
Iowa.....	7,150	7,350	6,850	372	378	389	408	437	485	16,200	16,100	16,300
Kansas.....	6,200	6,450	6,000	120	123	124	235	220	200	2,090	1,900	1,770
Kentucky.....	2,700	2,800	2,600	244	243	240	21	26	25	1,470	1,220	1,040
Louisiana.....	1,300	1,360	1,450	116	112	102	12	11	10	140	160	130
Michigan.....	1,310	1,340	1,450	400	390	396	132	124	130	1,040	830	690
Minnesota.....	3,750	3,800	3,880	860	880	905	264	295	335	4,900	5,100	4,300
Mississippi.....	1,810	1,800	1,950	99	97	97	(²)	(²)	(²)	405	410	370
Missouri.....	5,400	5,550	5,400	262	250	245	123	138	133	4,650	3,980	3,400
Montana.....	2,645	2,675	2,900	28	29	29	574	595	616	209	250	200
Nebraska.....	6,400	6,850	7,250	120	121	122	210	250	225	4,150	3,900	4,100
Nevada.....	595	640	700	15	15	16	122	134	129	11	12	13
New Mexico.....	1,600	1,400	1,500	39	49	55	660	650	615	87	74	62
New York.....	1,780	1,831	1,959	912	915	921	65	69	70	139	175	165
North Carolina.....	1,080	1,160	1,160	133	135	133	8	8	8	2,650	2,460	1,980
North Dakota.....	2,000	1,850	2,000	93	93	92	236	272	280	370	265	280
Ohio.....	1,825	1,815	1,900	375	375	382	320	310	313	2,120	2,150	2,050
Oklahoma.....	5,500	5,400	5,800	110	112	110	93	95	105	370	350	245
Oregon.....	1,575	1,750	1,900	94	96	97	495	520	560	120	120	78
Pennsylvania.....	1,950	2,000	2,100	712	718	730	105	105	125	870	960	750
South Carolina.....	625	625	700	50	48	48	(²)	(²)	(²)	650	700	490
South Dakota.....	4,010	4,100	3,900	155	155	155	783	780	780	2,000	1,860	1,710
Tennessee.....	2,300	2,350	2,500	214	215	215	12	11	10	1,400	1,140	900
Texas.....	13,200	13,700	13,700	315	320	325	2,400	2,360	2,500	910	930	700
Utah.....	840	875	920	75	80	86	625	650	636	55	58	40
Virginia.....	1,750	1,750	1,850	170	172	170	160	160	170	850	750	640
Washington.....	1,579	1,450	1,580	199	200	207	83	80	83	100	100	60
Wisconsin.....	4,280	4,550	4,450	1,813	1,820	1,830	113	127	125	1,830	1,680	1,380
Wyoming.....	1,340	1,350	1,390	12	12	12	1,050	1,110	1,130	32	30	33
Other.....	2,033	2,075	2,177	800	595	594	187	181	190	576	593	536

¹ Represents cows and heifers that have calved, kept for milk. ² Estimates discontinued.
Source: U.S. Dept. of Agriculture, Statistical Reporting Service, annual livestock summaries.

NO. 1228. DAIRYING—COWS AND DAIRY PRODUCTS: 1960 TO 1981

[In millions of pounds, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series K 505-608]

ITEM	1960	1965	1970	1975	1977	1979	1978	1980	1981
Cows and heifers, that have calved kept for milk, Jan. 1 ¹ (mil. head).....	19.5	17.0	13.3	11.1	11.0	10.9	10.8	10.8	10.9
Milk produced on farms (bil. lb.).....	123	124	117	115	123	122	123	129	133
Whole milk sold from farms ² (bil. lb.).....	114	118	113	112	120	119	121	126	130
Sales to plants and dealers (bil. lb.).....	104	113	110	110	116	117	118	125	129
Cash receipts from marketing of milk and cream ³ (bil. dol.).....	4.6	5.0	6.5	9.9	11.7	12.7	14.7	16.6	18.1
Sales to plants and dealers (bil. dol.).....	4.6	4.8	6.3	9.7	11.5	12.4	14.4	16.3	17.7
Manufactured dairy products:									
Butter (incl. whey butter).....	1,373	1,325	1,137	984	1,086	984	■	1,145	1,228
Cheese, total ⁴	1,478	1,755	2,201	2,811	3,359	3,520	3,717	3,984	4,229
American (excl. full-skim American).....	1,003	1,167	1,428	1,880	2,047	2,079	2,180	2,378	2,608
Swiss (including block).....	121	123	144	174	189	209	213	219	214
Muenster, Brick, and Limburger.....	54	58	59	74	73	78	80	87	82
Cream and Neuchâtel.....	106	123	126	160	176	196	212	229	241
All Italian varieties.....	158	244	394	672	793	876	929	983	984
Cottage cheese: Creamed ⁵	799	885	1,036	991	1,017	1,024	998	825	773
Curd, pot, and bakers ⁶	584	630	726	701	684	688	689	667	646
Condensed bulk milk.....	1,205	1,348	1,237	1,041	1,081	967	975	952	972
Evaporated and condensed canned milk.....	2,259	1,799	1,293	938	827	798	810	740	758
Dry whole milk.....	98	89	69	63	69	75	85	83	93
Nonfat dry milk solids ⁷	1,844	2,013	1,456	1,009	1,115	927	915	1,181	1,314
Dry whey ⁸	277	404	621	596	628	711	733	690	784
Dry buttermilk.....	96	87	60	43	53	48	45	44	44
Ice cream of all kinds (mil. gal.).....	700	757	762	837	810	815	811	830	832
Milk sherbet (mil. gal.).....	41	45	49	49	50	48	45	45	46
Ice milk (mil. gal.).....	145	231	297	299	308	310	297	293	292
Wholesale prices (cents per lb.):									
Cheese, American:									
40-lb. blocks, Wis. assembly points.....	(NA)	■	55.0	66.8	66.8	107.1	123.8	133.0	139.4
Single cheeses, Chicago.....	41.4	45.0	■	104.4	116.7	130.1	141.4	156.2	167.2
Butter, N.Y. (Grade A).....	59.9	61.0	70.4	81.8	101.5	114.1	127.2	144.8	(NA)
Prices received by farmers:									
Milkfat in cream (cents per lb.).....	80.5	81.1	70.0	70.3	82.0	102.0	(NA)	(NA)	(NA)
Whole milk: Wholesale, per 100 lb. (dol.).....	4.21	4.23	5.71	8.75	9.72	10.60	12.00	13.00	13.80
Sold directly to consumers (cents per qt.).....	21.7	22.3	27.0	35.4	36.7	38.8	■	45.3	48.4

NA Not available. ¹Prior to 1975, cows and heifers 2 years old and over. ²Comprises sales to plants and dealers, and retail sales by farmers direct to consumers. ³Includes varieties not shown separately. Beginning 1975, includes full-skim. ⁴Includes partially creamed (low fat). ⁵Includes dry skim milk for animal feed. ⁶Includes animal but excludes modified whey production.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Production of Manufactured Dairy Products*, annual; *Milk Production, Disposition, and Income*, annual.

NO. 1229. WHOLE MILK SOLD—QUANTITY AND CASH RECEIPTS, BY STATES: 1979 TO 1981

[Covers sales of milk to plants and dealers]

STATE	QUANTITY (mil. lb.)			CASH RECEIPTS (mil. dol.)			STATE	QUANTITY (mil. lb.)			CASH RECEIPTS (mil. dol.)		
	1979	1980	1981	1979	1980	1981		1979	1980	1981	1979	1980	1981
U.S.	119,440	134,717	138,808	14,354	16,274	17,739	Mo.	2,865	2,780	2,840	312	350	381
Ala.	570	575	550	76	83	81	Nebr.	1,215	1,291	1,370	145	163	184
Ariz.	865	1,020	1,120	111	137	157	N.H.	325	330	328	42	45	48
Ark.	585	712	758	86	96	110	N.J.	483	486	467	58	62	66
Calif.	12,145	13,170	13,810	1,385	1,898	1,855	N.Y.	10,305	10,870	10,770	1,226	1,387	1,486
Colo.	770	775	845	99	109	126	N.C.	1,480	1,540	1,560	188	216	234
Conn.	580	588	595	74	80	88	N. Dak.	830	904	929	91	107	117
Fla.	1,970	2,009	2,069	286	317	348	Ohio	4,170	4,220	4,310	505	549	595
Ga.	1,315	1,346	1,378	170	186	202	Okl.	1,015	1,065	1,105	128	145	159
Idaho	1,845	1,875	2,080	188	229	266	Oreg.	1,025	1,070	1,125	124	140	156
Ill.	2,355	2,507	2,569	280	323	365	Pa.	7,610	7,930	8,365	968	1,078	1,187
Ind.	2,135	2,178	2,249	283	283	310	S.C.	485	516	525	66	75	82
Iowa	3,800	4,000	4,205	441	504	558	S. Dak.	1,505	1,635	1,730	170	203	223
Kans.	1,295	1,300	1,395	155	170	191	Tenn.	1,990	2,150	2,205	243	268	306
Ky.	2,090	2,130	2,191	247	273	298	Tex.	3,310	3,540	3,575	434	482	529
La.	985	975	955	130	137	142	Utah	885	995	1,060	105	123	139
Maine	620	645	680	81	90	101	Vt.	2,130	2,240	2,256	266	300	322
Mich.	1,485	1,495	1,543	187	203	221	Va.	1,900	1,952	1,986	234	260	280
Mass.	525	530	540	67	73	79	Wash.	2,660	2,785	2,870	317	354	387
Mich.	4,715	4,870	4,996	566	643	699	W. Va.	319	322	330	39	42	46
Minn.	9,065	9,485	9,980	1,029	1,174	1,307	Wis.	21,320	21,845	22,165	2,505	2,768	2,966
Miss.	790	796	825	100	110	119	Other	1,388	1,536	1,519	178	214	240

Source: U.S. Dept. of Agriculture, Statistical Reporting Service, *Milk Production, Disposition, and Income*, 1979-81.

No. 1230. POULTRY—NUMBER ON FARMS, VALUE, EGGS PRODUCED, AND PRICES: 1960 TO 1981

[Beginning 1970, data for chickens, eggs, and broilers are for Dec. 1 of previous year to Nov. 30 of year stated, except as noted. 1960 excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series K 609-623]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Chickens: ¹ Number ²	Million	369	394	433	380	378	387	397	401	392	383
Value, total ²	Mill. dol	391	462	525	660	644	652	696	726	739	725
Value per head ²	Dollars	1.06	1.17	1.21	1.74	1.70	1.69	1.75	1.81	1.86	1.89
Number produced	Million	260	240	264	233	229	245	242	251	241	240
Production value	Mill. dol	139	101	107	105	145	145	142	171	129	134
Price per lb.	Cents	12.2	8.9	9.1	9.9	13.0	12.3	12.4	13.9	11.0	11.1
Eggs: Number produced	Mill. doz	5,134	5,453	5,654	5,386	5,376	5,384	5,596	5,767	5,807	5,600
Price per dozen	Cents	36.1	33.7	39.1	52.4	58.3	55.6	52.2	58.3	56.3	63.1
Gross income	Mill. dol	1,848	1,841	2,221	2,819	3,133	2,995	2,921	3,360	3,268	3,683
Broilers: ¹ Number produced	Million	1,795	2,334	2,987	2,950	3,273	3,394	3,614	3,951	3,964	4,149
Price per lb.	Cents	16.9	15.0	13.6	26.3	23.6	23.6	26.3	26.0	27.7	28.5
Gross income	Mill. dol	1,014	1,217	1,475	2,915	2,945	3,059	3,676	4,032	4,304	4,696
Turkeys: ¹ Number ²	1,000	5,633	6,100	3,173	3,014	3,069	3,038	3,370	3,705	3,749	3,415
Value, total ²	Mill. dol	28	27	16	33	34	35	42	50	53	52
Value per head ²	Dollars	4.96	4.40	5.62	10.81	11.13	11.39	12.53	13.56	14.11	15.32
Turkeys, number raised	Million	64	108	116	124	140	136	139	156	165	171
Gross income	Mill. dol	377	424	496	793	825	910	1,157	1,214	1,268	1,246
Price per lb.	Cents	25.4	22.2	22.6	34.8	31.7	35.5	43.6	41.1	41.3	38.2

¹Excludes commercial broilers. ²1960 and 1965, as of Jan. 1, beginning 1970, as of Dec. 1. ³Young chickens of the heavy breeds and other meat-type birds, to be marketed at 2-5 lbs. live weight and from which no pullets are kept for egg production. Not included in production of chickens. ⁴Beginning 1970, data are for breeder hens only and cover the 26 major producing States.

Source: U.S. Dept. of Agriculture, *Agricultural Statistics*, annual.

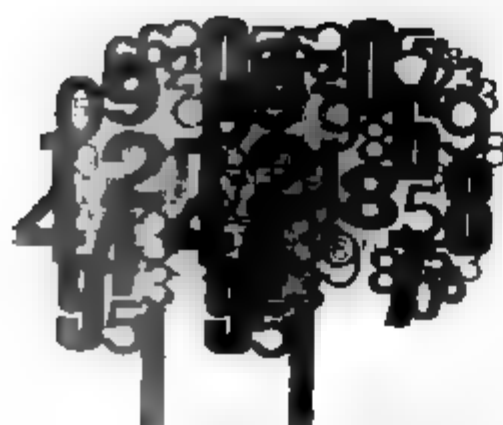
No. 1231. POULTRY—PRODUCTION, BY STATES: 1979 TO 1981

[In millions. See *Historical Statistics, Colonial Times to 1970*, series K 611, 614, 617, and 621 for U.S. totals]

STATE	CHICKENS PRODUCED			BROILERS PRODUCED			CHICKS HATCHED COMMERCIALY ¹			TURKEYS RAISED		
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
U.S.	250.7	241.2	240.5	3,951.3	3,964.5	4,149.2	4,718.7	4,787.3	4,870.8	156.5	164.7	170.7
Ala.	15.4	13.3	13.2	493.1	494.7	519.3	568.9	600.8	620.4	-	-	-
Ark.	21.3	19.6	19.1	676.2	634.9	675.1	769.8	741.6	775.6	13.3	14.5	15.1
Calif.	20.7	21.2	19.5	137.6	152.4	158.6	203.5	209.0	214.7	18.9	20.8	21.6
Conn.	3.4	3.3	2.9	-	-	-	(D)	-	(D)	-	-	-
Del.	5	.8	8	175.8	166.7	169.6	141.9	124.4	126.7	3	3	2
Fla.	11.1	8.8	9.8	79.7	87.1	92.4	142.7	151.0	155.4	-	-	-
Ga.	24.5	20.3	20.0	561.3	573.9	614.7	650.4	670.1	683.7	2.5	2.4	2.7
Ill.	4.0	4.0	3.9	-	-	-	13.0	11.9	10.4	5	5	4
Ind.	12.8	14.7	14.9	15.8	(D)	(D)	60.9	60.6	40.0	5.6	6.2	6.6
Iowa	6.6	8.3	7.4	3.0	3.0	3.1	20.0	18.0	24.5	6.2	6.6	7.1
Ky.	2.5	1.9	1.9	3.3	3.2	3.1	(D)	(D)	(D)	-	-	-
La.	2.4	2.3	2.2	91.3	99.0	104.3	(D)	(D)	(D)	-	-	-
Maine	6.1	4.7	5.2	87.8	(D)	(D)	98.3	83.6	(D)	-	-	-
Md.	1.7	1.7	2.4	244.8	236.9	253.3	295.5	303.1	321.3	1	1	1
Mass.	1.1	1.2	1.5	-	-	-	(D)	(D)	(D)	1	1	1
Mich.	4.4	4.6	5.0	2.6	1.6	1.1	7.4	9.5	9.3	1.2	1.5	1.6
Minn.	6.5	7.9	7.3	17.0	19.4	21.5	47.3	44.8	39.3	24.7	25.5	25.7
Miss.	7.0	6.1	5.8	276.9	276.0	290.1	267.2	292.0	291.1	-	-	-
Mo.	5.4	6.4	5.6	25.3	23.6	26.1	16.4	17.8	16.9	11.0	12.4	12.0
N.Y.	7.1	7.3	7.1	5	6	5	12.2	10.6	7.5	2	3	3
N.C.	11.8	12.4	11.8	376.6	399.6	423.2	423.9	452.2	450.0	22.1	24.3	26.8
Ohio	7.1	7.9	8.5	19.1	14.6	15.8	(D)	(D)	(D)	2.4	2.3	2.5
Ola.	2.3	1.5	2.4	40.3	45.0	50.9	1.0	1.2	1.3	1.9	2.2	1.8
Oreg.	2.1	2.3	1.8	17.3	17.1	17.6	35.9	37.3	6.7	1.3	1.2	1.3
Pa.	14.8	14.9	16.6	109.2	111.6	115.1	152.6	160.1	162.6	4.7	5.5	5.7
S.C.	7.0	5.3	4.9	43.7	43.1	43.4	51.0	48.2	51.1	3.0	3.2	2.9
Tenn.	3.9	3.9	2.0	57.7	66.9	64.5	27.8	28.7	28.2	-	-	-
Tex.	11.2	9.3	10.0	229.4	221.1	231.7	269.4	268.1	292.9	8.0	7.8	7.3
Va.	3.9	3.4	3.2	111.6	126.4	133.8	149.3	160.4	171.1	9.2	10.1	10.0
Wash.	4.8	4.6	4.8	19.8	20.6	21.9	21.7	22.4	(D)	-	-	-
W. Va.	8	9	6	18.7	21.6	25.0	(D)	(D)	(D)	2.6	2.9	2.1
Wis.	3.5	2.9	3.3	11.8	11.4	12.5	(D)	(D)	(D)	5.6	5.0	6.0
Other	11.5	14.3	16.2	4.0	92.3	60.8	(D)	(D)	366.0	10.1	9.6	10.8

- Represents zero. D Withheld to avoid disclosure. ¹By commercial hatcheries.

Source: U.S. Dept. of Agriculture, *Agricultural Statistics*, annual.



Section 25

Forests and Forest Products

This section presents data on the area, ownership, and timber resource of commercial timberland; forestry statistics covering the National Forests and Forest Service cooperative programs; product data for lumber, pulpwood, woodpulp, paper and paperboard, turpentine, and rosin, and

Timber Data

The principal sources of these data are *An Analysis of the Timber Situation in the United States, 1952-2030, Appendix 3*; *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-81*; *Land Areas of the National Forest System*; and *Wildfire Statistics*, issued annually by the Forest Service of the Department of Agriculture, *Agricultural Statistics* issued by the Department of Agriculture; and reports of the census of manufactures (taken every five years) and the monthly and annual *Current Industrial Reports*, issued by the Bureau of the Census. Additional information is published in the monthly *Survey of Current Business* of the Bureau of Economic Analysis; and the annual *Wood Pulp and Fiber Statistics* and *The Statistics of Paper, Paperboard, and Wood Pulp* of the American Paper Institute, New York, N.Y.

The Bureau of the Census also collects data on foreign trade of forest products. The Bureau of Labor Statistics publishes monthly and annual statistics of producer prices for lumber.

The completeness and reliability of statistics on forests and forest products vary considerably. The data for forest land area and stand volumes are much more reliable for areas which have been recently surveyed than for those for which only estimates are available. Estimates of fire damage or causes of fires for Federal lands are considered much better than those for private lands. In general, more data are available for lumber and other manufactured products such as veneer and plywood, etc., than for the primary forest products such as poles and piling and fuelwood.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 1232. NATIONAL FOREST LANDS AND PURCHASES: 1950 to 1981

[Area as of June 30 except, beginning 1978, as of Sept. 30; purchases for years ending June 30, except as noted. Includes Puerto Rico. Prior to Oct. 1976, lands to be purchased under the Weeks Law and related acts were approved by the National Forest Reservation Commission which also set prices on such lands. With the passage of the National Forest Management Act, all functions of the Commission were transferred to the Secretary of Agriculture. Actual purchases are made by U.S. Department of Agriculture. See also *Historical Statistics, Colonial Times to 1970*, series I, 10-14]

ITEM	Unit	1950	1955	1960	1965	1970	1975	1978	1979	1980	1981
Gross area ¹	Mil. acres	229	236	227	226	226	226	226	226	226	230
National Forest System	Mil. acres	181	188	186	187	187	188	188	187	187	191
Approved for purchase	1,000 acres	81	19	5	29	92	12	51	58	42	111
Average price per acre	Dollars	9	10	15	47	125	275	442	520	664	454
Total price	Mil. dol.	.5	.2	1	1.3	11.5	3.3	22.5	30.2	27.9	50.4
Purchases completed	1,000 acres	97	12	6	33	113	34	29	37	27	83
Average price per acre	Dollars	7	12	31	39	96	267	411	616	617	530
Total price	Mil. dol.	.7	1	2	1.3	10.9	9.1	11.9	22.3	17.1	44.0
Gross area of purchase units	Mil. acres	53	82	56	56	56	56	56	56	56	56
Purchase completed, net area ²	Mil. acres	19	19	19	19	20	20	20	20	20	20
Average price per acre	Dollars	4	4	4	4	6	9	11	12	12	14
Total price	Mil. dol.	.71	.73	.75	.79	1.25	1.79	2.11	2.33	2.50	2.76

¹Comprises all publicly and privately owned land within authorized boundaries of national forests, purchase units, national grasslands, and land utilization projects (research and experimental areas, and other areas). ²Cumulative total. Under the March 1, 1911 Act of Congress (Weeks Law), as amended, and related acts.

Source: U.S. National Forest Reservation Commission, *Final Report to October 1976*; and U.S. Forest Service, *Land Areas of the National Forest System*, annual, and unpublished data.

NO. 1233. NATIONAL FOREST SYSTEM—SUMMARY: 1960 TO 1981

[Through 1976, for years ending June 30, except as noted; thereafter, ending Sept. 30. Includes Alaska and Puerto Rico, except as noted. See *Historical Statistics, Colonial Times to 1970*, series J 33-34, for similar but not comparable grazing data, and L 15-31]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Timber cut, total value.....	Mil. dol.....	157.1	161.9	308.6	368.4	495.4	735.9	858.5	973.0	736.6	728.9
Commercial and cost sales: ¹											
Volume.....	Mil. bd. ft.....	9,367	11,244	11,527	9,174	9,575	10,482	10,080	10,377	9,178	8,036
Value.....	Mil. dol.....	156	161	308	366	492	733	855	968	730	721
Free use:											
Volume.....	Mil. bd. ft.....	123	191	179	618	² 1,080	1,028	1,221	1,637	2,070	2,107
Value ³	Mil. dol.....	.2	.3	.3	1.1	² 2.1	2.4	2.6	3.8	5.7	6.4
Misc. forest products.....	Mil. dol.....	.5	.5	.7	1.4	1.2	1.0	1.2	1.1	1.1	1.6
Livestock grazing: ⁴											
Cattle and horses ⁵	1,000.....	1,307	1,376	1,607	1,626	² 1,690	1,587	1,557	1,540	1,521	1,535
Sheep and goats.....	1,000.....	2,574	2,112	2,105	1,549	² 1,750	1,473	1,284	1,249	1,328	1,341
Roads and trails:											
Road construction ⁶	Miles.....	851	1,613	942	136	168	1,021	793	820	925	1,217
Trail construction ⁶	Miles.....	142	671	278	298	270	² 1,222	² 2,119	² 1,390	² 2,419	727
Expenditures.....	Mil. dol.....	43.2	105.5	155.1	157.7	167.6	247.5	279.6	292.0	266.5	(NA)
Receipts, total.....	Mil. dol.....	148.2	149.2	299.7	373.1	454.7	691.6	765.4	861.0	702.9	680.7
Timber use.....	Mil. dol.....	140.1	138.8	283.9	341.3	418.6	652.1	723.3	827.6	625.4	581.4
Grazing use.....	Mil. dol.....	4.5	3.5	4.4	7.7	10.9	11.4	11.0	12.5	15.8	14.9
Special land use, etc.....	Mil. dol.....	3.6	6.9	11.4	24.1	25.2	28.1	31.0	40.9	61.6	84.4
Payments to local gov't. ⁸	Mil. dol.....	36.1	36.2	72.8	91.0	111.2	225.9	240.6	279.2	236.9	238.0
25-percent fund ⁹	Mil. dol.....	35.4	35.5	71.9	89.8	109.5	224.1	238.9	277.0	233.6	230.5
Other ¹⁰	Mil. dol.....	.7	.7	.9	1.2	1.7	1.8	1.7	2.3	3.3	7.6
Allotments to Forest Service, total ¹¹	Mil. dol.....	14.9	15.0	29.5	39.5	47.0	75.1	83.0	93.9	73.1	68.2
Roads and trails.....	Mil. dol.....	14.2	14.2	28.8	35.9	43.8	66.0	73.5	84.2	65.5	60.9
Other.....	Mil. dol.....	.7	.8	.8	3.6	3.2	9.0	9.5	9.7	7.6	7.3

NA Not available. ¹Includes land exchanges. ²For 15 months ending Sept. 30. ³Includes some free use timber not reducible to board feet.
⁴For 1960-1970, data for livestock permitted to graze; 1975 and 1976, for authorized use; 1977-1981 for number actually grazed. Calendar-year data. Excludes Puerto Rico. ⁵Excludes animals under 6 months of age. 1960-1970 includes swine. Includes burros beginning in 1977. ⁶Includes reconstruction. Through 1965, excludes national grasslands. ⁷Figures include work done by the Human Resources Programs. ⁸Payments made in following year. ⁹Includes Tongass Alaska suspense account. ¹⁰Includes Arizona and New Mexico School Fund, State of Minn., and receipts paid to counties under Bankhead-Jones Farm Tenant Act. ¹¹For use in following year.
Source: U.S. Forest Service. In *Agricultural Statistics*, annual, and unpublished data.

NO. 1234. FOREST LAND—TOTAL AND COMMERCIAL AREA, VOLUME OF SAWTIMBER, AND GROWING STOCK: 1952 TO 1977

[As of Jan. 1. For composition of regions, see table 1235]

YEAR AND REGION	Total forest land (mil. acres)	COMMERCIAL TIMBERLAND, OWNERSHIP ¹					NET VOLUME OF SAWTIMBER ²			Growing stock net (bil. cu. ft.)
		All owner-ships (mil. acres)	Federal-ly owned or man-aged ³ (mil. acres)	State, county, and municipal (mil. acres)	Private		Total (bil. bd. ft.)	Softwood (bil. bd. ft.)	Hard-wood (bil. bd. ft.)	
					Total (mil. acres)	Per-cent of total				
United States, 1952.....	664	499	116	28	355	71.1	2,513	2,067	446	603
North.....	209	170	13	19	137	80.6	249	59	190	111
South.....	197	192	14	3	175	91.1	410	197	213	136
West.....	258	138	89	6	43	31.2	1,855	1,811	44	356
United States, 1962.....	759	509	116	28	366	71.9	2,517	2,033	484	648
North.....	178	173	12	19	141	81.5	282	70	212	137
South.....	220	200	14	3	183	91.5	465	246	219	156
West.....	360	139	90	6	42	30.2	1,769	1,717	52	354
United States, 1970.....	754	496	111	31	358	72.2	2,539	2,002	537	680
North.....	186	173	12	20	141	81.5	321	83	237	156
South.....	212	193	14	3	175	90.7	535	296	239	177
West.....	355	135	85	8	42	31.1	1,684	1,623	61	348
United States, 1977.....	737	482	105	30	347	72.8	2,579	1,985	594	711
North.....	178	166	12	19	136	81.3	359	97	263	173
South.....	207	188	14	3	170	91.0	615	341	274	202
West.....	352	126	79	8	41	32.0	1,605	1,548	57	336

¹See footnote 1, table 1235. ²Includes Indian land. ³See footnote
Source: U.S. Forest Service, *An Analysis of the Timber Situation in the U.S.* 1980, Appendix 3.

NO. 1235. FOREST LAND AREA, COMMERCIAL AREA OWNERSHIP, AND VOLUME OF SAWTIMBER AND GROWING STOCK, BY STATES. 977 (JAN. 1)

STATE	Total forest land (1,000 acres)	COMMERCIAL TIMBERLAND, OWNERSHIP ¹ (1,000 acres)				SAWTIMBER NET VOLUME ²		GROWING STOCK, NET VOLUME ³	
		Total	Federally owned or managed ⁴	State, county, municipal	Private	Total (mil. bd. ft.)	Softwood (mil. bd. ft.)	Total (mil. cu. ft.)	Softwood (mil. cu. ft.)
U.S.	736,553	482,486	105,472	30,249	346,764	2,579,940	1,995,406	710,968	455,779
North	177,852	166,141	11,984	18,548	135,829	358,021	96,504	173,145	44,574
New Eng.	32,481	30,965	779	1,317	28,869	75,507	43,800	41,848	23,363
Conn.	1,861	1,806	2	144	1,659	5,870	1,305	2,652	425
Maine	17,718	16,854	73	468	16,323	36,118	25,232	22,604	16,000
Mass.	2,952	2,798	10	355	2,432	7,668	4,168	3,893	1,439
N.H.	5,014	4,682	472	108	4,112	14,564	8,607	7,286	3,526
R.I.	404	385	-	32	363	897	289	412	108
Vt.	4,512	4,430	213	209	4,008	10,391	4,199	4,990	1,826
Mid. Atl.	30,688	46,415	1,305	4,554	40,356	101,889	17,084	56,481	7,808
Del.	392	384	1	13	370	1,393	408	625	169
Md.	2,653	2,523	25	218	2,280	8,167	1,726	3,492	793
N.J.	1,928	1,857	28	291	1,538	3,127	575	1,534	251
N.Y.	17,218	14,243	58	835	13,351	26,088	7,771	13,268	3,523
Pa.	18,828	15,924	503	2,988	12,433	34,251	3,714	23,403	1,778
W. Va.	11,869	11,484	892	228	10,363	28,834	2,901	14,153	1,092
Lake	51,844	47,578	8,760	11,886	28,944	97,798	30,984	44,517	11,901
Mich.	19,270	18,778	2,472	3,947	12,359	42,441	13,205	19,214	5,061
Minn.	18,709	13,685	2,336	4,892	6,367	24,607	8,531	11,454	3,477
N. Dak.	422	405	114	10	281	474	-	257	(2)
S. Dak. (east)	335	223	74	3	146	448	86	134	23
Wis.	14,908	14,476	1,753	2,834	9,792	29,797	9,163	13,457	3,340
Central	42,872	41,163	2,940	792	37,431	83,788	4,825	30,319	1,884
Ill.	3,810	3,692	299	11	3,413	7,094	30	2,180	24
Ind.	3,943	3,815	239	171	3,405	10,967	255	3,758	87
Iowa	1,581	1,480	57	56	1,348	3,419	14	1,038	8
Kans.	1,344	1,187	27	10	1,151	2,020	1	584	1
Ky.	12,181	11,802	819	77	11,007	28,941	2,091	11,968	918
Mo.	12,876	12,289	1,313	219	10,757	15,270	1,292	6,022	392
Nebr.	1,029	789	87	12	710	1,737	510	442	119
Ohio	6,147	6,029	150	237	5,642	14,341	433	4,328	139
South	206,875	188,048	14,486	3,245	170,315	614,708	341,023	202,009	87,138
So. Atl.	48,710	47,677	3,897	883	42,897	171,401	74,317	59,988	23,333
N.C.	20,043	19,582	1,385	398	17,799	78,794	35,375	26,131	10,742
S.C.	12,249	12,176	862	233	11,081	40,837	22,809	14,201	7,079
Va.	16,417	15,938	1,870	252	14,017	53,771	16,134	19,657	5,512
E. Gulf	42,296	40,142	3,046	620	36,482	112,478	74,078	40,134	24,406
Fla.	17,040	15,330	1,823	492	13,215	31,950	21,129	11,733	7,525
Ga.	25,256	24,812	1,417	128	23,268	80,529	52,949	26,402	16,880
Cr. Gulf	51,237	50,667	2,938	1,016	46,707	162,361	87,903	51,977	23,555
Ala.	21,361	21,333	800	209	20,324	69,396	46,509	22,240	12,339
Miss.	16,716	16,504	1,216	481	14,828	60,542	35,370	17,234	8,929
Tenn.	13,161	12,820	919	346	11,555	32,313	6,024	12,504	2,287
W. Gulf	64,632	48,589	4,614	726	44,229	198,478	104,724	49,910	26,843
Ark.	18,282	18,207	2,718	258	15,233	48,969	26,462	17,145	7,000
La.	14,558	14,527	894	309	13,525	63,418	36,848	17,431	9,417
Okla.	8,513	4,323	463	105	3,755	6,067	3,576	2,082	1,010
Tex.	23,279	12,513	740	56	11,717	50,025	36,039	13,272	8,356
West	352,021	128,299	79,023	8,455	40,821	1,605,211	1,547,882	335,614	214,988
Pac. NW	172,136	53,283	29,552	5,830	18,191	960,326	911,892	186,130	173,155
Alaska	119,145	11,160	8,423	2,438	289	188,858	184,408	43,073	40,820
Oreg.	29,810	24,211	14,201	826	8,084	431,172	414,186	78,554	74,735
Wash.	23,181	17,922	6,928	2,286	8,728	330,296	313,300	63,503	57,800
Pac. SW	42,138	17,251	8,581	548	8,122	284,716	295,811	49,670	48,879
Calif.	40,152	16,303	6,589	106	7,626	263,669	255,594	49,668	45,975
Hawaii	1,986	948	12	442	494	1,047	17	202	4
No. Rocky Mts.	66,882	33,478	23,227	1,586	8,657	269,548	267,567	68,089	67,842
Idaho	21,727	13,541	9,640	580	3,021	139,618	139,050	31,884	31,862
Mont.	22,559	14,359	9,280	534	4,565	97,334	96,238	27,977	27,691
S. Dak. (west)	1,367	1,244	958	70	215	5,615	5,597	1,643	1,627
Wyo.	10,028	4,234	3,369	111	856	27,079	26,883	7,186	6,963
So. Rocky Mts.	82,666	24,267	17,663	882	5,841	120,534	112,812	31,116	26,993
Ariz.	18,494	3,896	3,696	34	166	22,711	22,063	4,882	4,783
Colo.	22,271	11,315	7,962	234	3,118	54,941	50,684	15,036	12,624
Nev.	7,883	134	81	5	69	1,388	1,363	262	249
N. Mex.	18,060	5,538	3,439	171	1,927	25,919	24,346	6,385	5,796
Utah	15,557	3,405	2,505	239	661	15,585	14,357	4,440	3,582

Represents zero. ² Less than 500,000 cubic feet. ¹ Commercial timberland is forest land which is producing or is capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulation. Areas qualifying as commercial timberland have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included. ³ Includes Indian lands. ⁴ Net volume of the saw log portion of live sawtimber trees in board feet, International 1-inch log rule. ⁵ Net volume in cubic feet of live sawtimber and polelimber trees from stump to a minimum 4-inch top (of central stem) outside bark or to the point where the central stem breaks into limbs.

Source: U.S. Forest Service, *An Analysis of the Timber Situation in the United States, 1962-2000*, Appendix 3.

No. 1236. NATIONAL FOREST LANDS—STATES AND OTHER AREAS: 1981

[In thousands of acres. As of Sept. 30. See also *Historical Statistics, Colonial Times to 1970*, series L 10-11]

STATE	Gross area within unit boundaries ¹	National forest system lands	Other lands within unit boundaries	STATE OR OTHER AREA	Gross area within unit boundaries ¹	National forest system lands	Other lands within unit boundaries
Total.....	229,694	190,719	38,975	Nev.....	5,435	5,147	288
Ala.....	1,274	644	630	N.H.....	819	705	114
Alaska.....	24,018	23,167	851	N. Mex.....	10,271	9,245	1,026
Ariz.....	11,836	11,271	665	N.Y.....	13	13	-
Ark.....	3,502	2,478	1,024	N.C.....	3,165	1,213	1,952
Calif.....	24,290	20,380	3,910	N. Dak.....	1,106	1,106	(z)
Colo.....	15,967	14,431	1,536	Ohio.....	834	177	657
Conn.....	(z)	(z)	-	Okl.....	461	294	167
Fla.....	1,225	1,096	127	Oreg.....	17,455	15,616	1,839
Ga.....	1,911	864	1,047	Pa.....	743	509	234
Hawaii.....	(z)	(z)	-	S.C.....	1,382	610	772
Idaho.....	21,700	20,422	1,278	S. Dak.....	2,269	1,996	271
Ill.....	840	262	578	Tenn.....	1,212	623	589
Ind.....	645	186	457	Tex.....	1,994	782	1,212
Iowa.....	106	106	-	Utah.....	9,129	8,046	1,083
Ky.....	2,102	670	1,432	Vt.....	830	291	339
La.....	1,023	596	425	Va.....	3,226	1,627	1,599
Maine.....	94	51	43	Wash.....	10,025	9,054	971
Mich.....	4,672	2,757	2,115	W. Va.....	1,661	969	692
Minn.....	5,467	2,800	2,667	Wis.....	2,023	1,500	523
Miss.....	2,310	1,141	1,169	Wyo.....	9,692	9,255	437
Mo.....	3,062	1,466	1,616	Puerto Rico.....	56	28	28
Mont.....	19,066	16,763	2,323	Virgin Islands.....	(z)	(z)	-
Nebr.....	441	352	89				

- Represents zero. Z Less than 500 acres. ¹ See footnote 1, table 1232.
Source: U.S. Forest Service, *Land Areas of the National Forest System*, annual.

No. 1237. WILDFIRES—SUMMARY: 1960 TO 1960

[See also *Historical Statistics, Colonial Times to 1970*, series L 44-55]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980
ACREAGE (1,000)									
Protected area: Federal ^{1 2}	362,836	655,001	647,239	677,949	680,243	681,564	680,185	680,223	680,261
Area burned ¹	622	146	719	408	519	802	202	1,237	751
State and private ^{3 4}	402,800	472,023	520,501	726,356	737,226	748,692	773,772	783,609	805,927
Area burned.....	1,909	1,206	1,541	1,119	2,119	2,096	1,553	1,317	2,348
Unprotected area: Federal.....	-	55	65,537	54,232	54,232	54,232	54,232	54,232	54,232
State and private.....	32,030	30,294	45,751	70,848	101,192	96,501	93,972	89,518	115,204
Area burned.....	1,947	1,300	1,019	(NA)	2,472	(NA)	2,156	433	2,162
REPORTED FIRES (1,000)									
Total.....	103.4	113.7	121.7	134.9	241.7	174.0	218.8	163.2	234.9
On protected areas ⁴	89.6	100.6	116.4	103.3	172.8	158.9	144.9	118.3	⁵ 155.7
Federal area ⁶	⁷ 12.1	9.1	15.0	12.3	15.8	16.3	14.1	13.9	14.6
State and private.....	91.3	104.6	106.8	122.6	225.9	157.7	204.8	149.3	220.3
Protected.....	77.5	91.5	101.5	91.0	157.0	142.6	130.8	104.4	141.0
Unprotected.....	13.8	13.1	5.3	31.6	68.9	15.1	74.0	44.9	79.2
Cause of fires: ⁸									
Incendary (arson).....	21.2	26.9	30.9	28.2	51.3	45.3	46.2	32.5	45.2
Debris burning.....	21.9	22.9	28.3	18.2	38.9	36.1	31.5	26.6	35.5
Smoking.....	16.0	16.5	14.5	10.5	17.7	15.4	13.2	10.2	12.6
Lightning.....	11.1	8.7	12.8	9.4	11.7	15.8	10.8	9.6	11.3
Caused by children.....	(NA)	(NA)	7.7	10.8	14.4	13.1	11.6	11.2	11.8
Railroads.....	3.9	(⁹)	6.8	5.2	10.8	8.1	6.9	5.5	7.2
Equipment use.....	(NA)	(NA)	3.4	4.6	7.7	6.7	7.1	7.2	9.2
Campfires.....	3.6	3.4	3.8	4.0	5.1	4.6	4.3	3.8	4.2
Miscellaneous ⁹	12.0	22.1	8.1	12.4	15.2	13.7	13.3	11.7	16.7
FIRE PROTECTION EXPENDITURES ^{3 10} (mil. dol.)									
Total funds.....	56.6	76.6	113.5	169.0	189.8	217.0	212.0	216.2	(NA)
Federal.....	9.4	12.8	16.4	25.2	22.6	20.7	30.0	30.6	22.7
State and county.....	45.1	62.6	95.3	143.9	167.1	196.3	182.0	185.6	¹¹ 220.7
Private.....	2.2	1.2	1.8						

- Represents zero. NA Not available. ¹ Comprises land administered by U.S. Dept. of Agriculture, U.S. Dept. of Interior, and Tennessee Valley Authority, etc. ² Beginning 1965, includes nonforest watershed areas under U.S. Dept. of Interior protection. ³ 1960 excludes Alaska; 1975 and 1977 include Guam. ⁴ Includes nonforest watershed areas. ⁵ Includes 2,000 fires in Puerto Rico not reported by cause. ⁶ For protected areas only. ⁷ Excludes nonforested watershed lands under U.S. Dept. of Interior protection. ⁸ Included in various other classifications. ⁹ 1960, lumbering included in "Miscellaneous"; thereafter in various other classifications. ¹⁰ For fire protection on State, county, and private lands only; years ending June 30, through 1976; thereafter, ending Sept. 30. ¹¹ State funds only.

Source: U.S. Forest Service, *Wildfire Statistics*, annual, and unpublished data.

NO. 1238. FOREST TREE DISTRIBUTION AND FOREST MANAGEMENT: 1960 TO 1978

[For years ending June 30 except, beginning 1976, ending Sept. 30. See also *Historical Statistics, Colonial Times to 1970*, series L 32-43]

ITEM	Unit	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
Forest trees distributed ¹	Millions	845	509	495	553	581	540	579	508	657	(NA)
Costs, total	\$1,000	6,573	6,885	8,544	5,810	6,200	6,890	5,537	(NA)	(NA)	(NA)
Federal contributions	\$1,000	188	216	197	175	214	216	225	143	145	(NA)
State expenditures	\$1,000	6,387	6,649	8,347	5,636	5,986	6,674	5,312	(NA)	(NA)	(NA)
Acreage planted ²	1,000	2,137	1,325	1,800	1,680	1,750	1,604	1,931	1,892	1,978	2,089
Forest management program: ³											
Woodland owners assisted	1,000	82	89	115	274	105	118	141	111	134	165
Woodland involved	1,000 acres	4,118	6,165	8,945	11,158	6,472	7,106	10,369	4,085	4,814	5,750
Products harvested	Mil. bd. ft.	596	717	1,226	958	1,579	907	678	567	921	1,121
Gross sale value	Mil. dol.	14	17	32	24	38	44	28	(NA)	(NA)	(NA)
Expenditures, total	Mil. dol.	3.9	6.8	11.6	14.6	16.5	19.4	22.4	23.3	(NA)	(NA)
Federal	Mil. dol.	1.4	2.7	3.7	4.3	4.1	4.3	4.7	4.7	5.5	(NA)
State	Mil. dol.	2.5	4.1	8.0	10.3	12.4	15.2	17.8	18.6	(NA)	(NA)

NA: Not available. ¹ Provided by Clark-McNary Program Act of June 7, 1924 as amended. ² Includes areas planted by direct seeding; excludes areas satisfactorily reforested or established as wind barriers because some of the plantings or seedings are not successful. ³ Under the Cooperative Forest Management Act of August 25, 1950, and related legislation.

Source: U.S. Forest Service. In U.S. Dept. of Agriculture, *Agricultural Statistics*, annual.

NO. 1239. TIMBER PRODUCTS—PRODUCTION, FOREIGN TRADE, AND CONSUMPTION, BY TYPE OF PRODUCT: 1960 TO 1980

[In millions of cubic feet, roundwood equivalent. See also *Historical Statistics, Colonial Times to 1970*, series L 72-86]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980, prel.
Industrial roundwood:										
Domestic production ¹	8,920	10,688	11,105	11,540	10,575	11,816	11,980	12,235	12,510	11,685
Softwoods	6,930	8,130	8,635	8,815	8,360	9,430	9,430	9,515	9,695	8,850
Hardwoods	1,995	2,430	2,470	2,725	2,195	2,475	2,535	2,725	2,815	2,815
Imports	1,680	2,105	2,430	2,755	2,220	2,840	3,310	3,755	3,655	3,260
Exports	1,110	740	1,540	1,805	1,685	1,870	1,795	1,845	2,135	2,355
Consumption ²	10,145	11,925	11,995	12,490	11,105	12,785	13,475	14,145	14,030	12,575
Softwoods	8,065	9,380	9,425	9,710	8,875	10,225	10,835	11,325	11,155	9,895
Hardwoods	2,080	2,545	2,565	2,780	2,230	2,560	2,640	2,825	2,875	2,680
Lumber										
Domestic production	5,080	5,685	5,215	5,095	5,475	5,730	5,825	5,880	4,880	4,880
Imports	810	815	955	1,115	930	1,290	1,675	1,810	1,800	1,540
Exports	135	145	195	270	255	280	280	275	335	395
Consumption	5,560	6,335	5,970	5,940	5,565	6,475	7,140	7,460	7,145	6,010
Plywood and veneer										
Domestic production	705	1,030	1,020	1,150	1,185	1,355	1,425	1,370	1,195	1,195
Imports	60	100	170	155	170	215	210	230	195	120
Exports	(2)	5	15	50	70	65	35	45	45	45
Consumption	765	1,125	1,170	1,255	1,265	1,500	1,600	1,645	1,520	1,270
Pulp products:										
Domestic production	2,575	3,095	3,835	4,220	3,485	3,805	3,845	3,745	4,110	4,390
Imports	985	1,175	1,280	1,470	1,105	1,320	1,395	1,595	1,830	1,570
Exports	275	380	720	805	715	710	725	720	805	1,075
Consumption	3,290	3,890	4,395	4,885	3,875	4,420	4,825	4,935	4,885	4,885
Logs, imports	20	15	25	15	15	15	30	20	25	25
Exports	45	205	465	455	555	525	585	665	560	560
Pulpwood chips, exports	-	5	145	230	195	245	250	225	280	275
Other industrial prod. ³ consumption	510	560	425	395	385	380	385	395	405	385
Fuelwood consumption	1,308	915	840	835	570	600	1,030	1,570	2,278	2,120

- Represents zero. Z: Less than 500,000 cubic feet. ¹ Includes log exports. ² Includes log imports. ³ Excludes Alaska and Hawaii. ⁴ Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, etc.

NO. 1240. TIMBER PRODUCTS—PER CAPITA CONSUMPTION: 1960 TO 1980

[Based on total population estimated as of July 1. See also *Historical Statistics, Colonial Times to 1970*, series L 87-97]

PRODUCT	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980, prel.
All products	Cu. ft.	63.3	66.1	61.1	60.9	64.1	61.4	66.9	70.6	72.4
Industrial roundwood	Cu. ft.	56.1	61.4	58.5	58.4	51.4	58.6	61.2	63.5	62.3
Lumber	Cu. ft.	30.8	32.6	29.1	27.8	25.8	29.7	32.4	33.5	31.7
Plywood and veneer	Cu. ft.	4.2	5.8	5.7	5.9	5.9	6.9	7.3	7.4	6.8
Pulp products	Cu. ft.	18.2	20.0	21.4	22.8	17.9	20.3	18.6	20.6	21.9
Other products	Cu. ft.	2.8	2.9	2.1	1.8	1.8	1.7	1.7	1.8	1.8
Fuelwood	Cu. ft.	7.2	4.7	2.6	2.5	2.6	2.8	4.7	7.1	10.1
Lumber	Bd. ft.	199	212	193	188	171	198	213	219	208
Plywood and veneer	Bd. ft.	25	35	34	33	32	37	39	40	37
Pulp products	Cords (128 Cu. ft.)	.2	.3	.3	.3	.2	.3	.2	.3	.3

Source of tables 1239 and 1240: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1960-81*, annual.

NO. 1241. SELECTED TIMBER PRODUCTS—PRODUCER PRICE INDEXES: 1960 TO 1981

[1987 = 100. 1960 excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series L 206-210]

PRODUCT	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Lumber products	92	94	114	169	206	207	193	233	277	322	354	329	326
Softwood lumber	93	93	113	168	214	211	201	248	297	348	380	345	343
Douglas fir	89	92	109	161	210	214	212	251	291	340	384	353	312
Southern pine	94	91	115	152	188	185	175	217	263	305	324	297	292
Ponderosa pine, #3 boards	104	94	116	162	264	248	211	271	340	385	408	422	(NA)
Hardwood lumber	91	97	115	128	169	190	160	176	200	236	260	252	255
Oak, red, flooring, select	99	108	113	128	202	203	159	(NA)	227	285	359	323	(NA)
Gum #1 common	88	82	83	109	142	159	115	125	127	164	182	182	(NA)
Poplar #1, common	80	86	105	108	150	173	121	131	137	163	174	167	(NA)
Birch #1, common	89	96	91	98	123	140	122	127	137	144	157	165	(NA)
Plywood	110	104	106	131	155	181	161	187	212	238	251	247	246
Softwood	113	106	114	155	194	187	201	248	298	328	323	309	307
Hardwood	106	101	103	104	113	130	120	123	128	140	169	177	180
Insulation board	114	98	111	119	122	134	144	161	178	203	199	208	242
Woodpulp	102	100	110	112	126	218	283	286	281	267	315	380	397
Paper	93	95	111	116	121	149	173	182	194	206	230	257	280
Paperboard	106	102	101	106	115	152	170	176	176	180	202	235	258
Containerboard	106	104	99	104	113	148	172	176	172	173	198	231	253
Hardboard and particleboard	104	104	93	96	106	115	114	124	141	170	166	191	213

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, annual.

NO. 1242. SELECTED SPECIES—STUMPAGE AND LOG PRICES: 1960 TO 1981

[In dollars per 1,000 board feet. Stumpage prices are based on sales of sawtimber from National Forests. See also *Historical Statistics, Colonial Times to 1970*, series L 199-205]

SPECIES	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Softwoods:											
Douglas-fir ¹	32.00	42.80	41.90	202.40	169.50	178.20	225.90	250.30	394.40	432.20	360.20
Southern pine ²	34.50	31.70	44.10	76.20	57.00	67.00	100.30	134.50	155.20	155.40	172.00
Sugar pine ³	29.00	23.30	39.50	104.00	99.20	167.20	169.60	159.80	365.00	666.60	225.20
Ponderosa pine ⁴	19.10	19.80	32.10	100.80	71.20	101.80	131.40	164.70	239.00	206.10	195.20
Western hemlock ⁵	10.50	18.10	20.50	100.00	69.80	79.70	69.30	113.60	200.80	212.70	163.40
Hardwoods: ⁶											
All eastern hardwoods	22.80	25.00	28.90	45.90	33.90	34.90	37.90	41.10	46.80	52.40	50.90
Oak, white, red, and black	23.40	21.30	26.60	54.70	29.70	43.40	60.00	59.20	68.80	65.60	63.20
Maple	35.00	31.90	34.40	79.50	39.60	36.60	42.10	57.40	33.90	37.40	41.50
Douglas-fir log prices: ⁷											
Saw logs ⁸	56.40	63.00	69.30	180.50	168.70	202.90	242.80	284.60	382.20	379.60	331.40
Peeler logs ⁹	100.10	93.90	136.60	299.30	274.40	377.70	322.20	448.40	571.30	584.40	583.90

¹Western Washington and western Oregon. ²Southern region. ³Pacific Southwest region (formerly California region). ⁴Pacific Southwest region (formerly California region). Includes Jeffrey pine. ⁵Pacific Northwest region. ⁶Eastern and Southern regions. ⁷(Scribner log scale.) Prices are for western Washington and northwest Oregon and represent average transactions which may take place at a variety of points in the distribution process, e.g., at a river dump, reloading or truck scaling station, or on delivery to a mill. ⁸Includes mixed grades, ungraded, and, beginning 1974, grade 4 logs. ⁹Includes special fir peeler or special mill grade.

Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-81*, annual.

NO. 1243. TIMBER-BASED INDUSTRIES—EMPLOYMENT AND AVERAGE HOURLY EARNINGS: 1970 TO 1981

[Data for production or nonsupervisory workers. See also *Historical Statistics, Colonial Times to 1970*, series L 212-223]

ITEM	EMPLOYEES (1,000)						EARNINGS (dollars)					
	1970	1975	1978	1979	1980	1981	1970	1975	1978	1979	1980	1981
Lumber and wood products ¹	554	615	647	654	578	556	2.96	4.26	5.60	6.07	6.55	7.00
Logging camps and contractors	(NA)	74	69	73	71	65	(NA)	5.28	7.26	7.97	8.64	9.18
Sawmills and planing mills	196	202	206	212	190	182	2.84	4.34	5.62	6.32	6.70	7.19
Millwork, plywood, and structural members	(NA)	166	169	190	164	158	(NA)	4.28	5.56	5.95	6.41	6.88
Paper and allied products	543	642	525	536	523	518	3.44	5.01	6.52	7.13	7.84	8.60
Furniture and fixtures	362	417	406	406	376	376	2.77	3.78	4.68	5.06	5.49	5.91

NA Not available. ¹Excludes furniture.Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 1244. LUMBER PRODUCTION AND CONSUMPTION, BY KIND OF WOOD, 1960 TO 1980

[In millions of board feet, except as indicated. 1960 excludes Alaska and Hawaii. Based on sample survey; see source for sampling variability. See also *Historical Statistics, Colonial Times to 1970*, series L 96-112 and L 122-137]

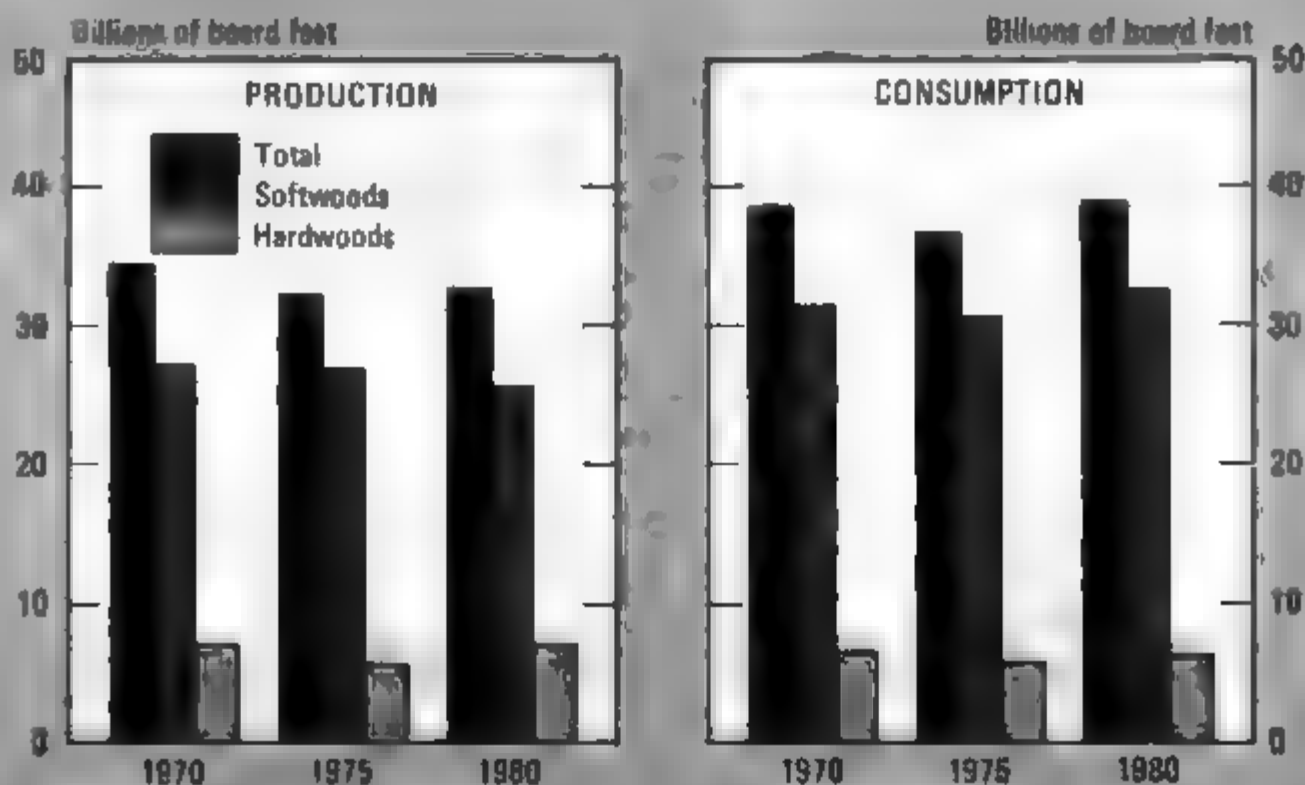
ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980, prel.
Total production	32,928	36,762	34,868	38,595	34,698	32,819	36,265	37,882	36,270	37,678	32,322
Softwoods ¹	26,672	29,295	27,530	31,586	27,704	26,747	29,678	31,202	31,273	30,411	25,264
Cedar	(8)	633	633	785	811	821	934	967	929	837	722
Douglas fir	8,632	8,783	7,727	8,686	7,901	7,329	8,207	8,543	8,601	8,425	6,853
Hemlock	2,032	2,576	1,880	2,711	2,105	2,020	2,454	2,439	2,726	2,505	1,855
Ponderosa pine	3,169	3,778	3,429	4,030	3,580	3,544	4,032	4,167	4,175	3,966	3,299
Redwood	1,000	1,067	1,078	1,277	1,170	1,054	1,128	1,148	917	896	770
Southern yellow pine	5,660	6,826	7,063	7,695	6,921	6,967	7,598	8,239	8,267	8,034	6,680
White fir	2,224	2,422	2,063	2,438	2,071	2,012	2,104	2,184	2,099	2,140	1,643
White pine	675	683	896	1,089	925	947	1,080	1,080	1,154	(8)	(8)
Hardwoods ¹	6,254	7,467	7,138	7,009	6,904	6,072	6,417	6,680	6,997	7,267	7,058
Ash	125	141	159	140	143	124	137	144	160	(8)	(8)
Beech	195	182	188	176	167	136	140	137	146	183	183
Cottonwood	206	199	229	326	312	253	309	355	372	374	303
Elm	195	206	155	145	155	117	131	149	151	151	149
Maple	602	786	742	623	574	531	569	563	561	*217	*229
Oak	2,789	3,356	3,250	3,227	3,160	2,724	2,996	3,103	3,220	3,461	3,356
Sweet gum ²	331	387	376	342	294	245	268	377	412	401	371
Tupelo and black gum	292	365	335	309	331	251	277	252	267	(8)	(8)
Yellow poplar	592	681	606	701	710	555	596	605	645	673	661
Domestic consumption ³	35,225	40,782	36,073	45,555	38,866	36,099	42,194	46,999	48,432	46,292	36,771
Percent net imports ⁴	8.7	10.6	12.7	16.6	14.2	12.0	15.2	19.3	21.8	20.3	19.1
Softwoods	29,974	32,701	31,585	36,068	32,082	30,306	35,753	40,079	41,435	39,353	32,499
Per capita (bd. ft.)	164	172	155	180	178	14	164	162	166	175	143
Mtl stocks, yearend	5,285	4,145	4,340	4,006	4,322	4,063	4,199	4,077	3,999	4,172	4,057
Exports	668	777	1,152	1,773	1,506	1,373	1,583	1,413	1,369	1,745	1,956
Imports	3,631	4,895	5,769	9,002	6,807	5,711	7,950	10,360	11,825	11,118	9,540
Canada ⁴	3,756	4,858	5,722	8,844	6,732	5,677	7,913	10,327	11,777	11,101	9,546
Hardwoods	6,252	8,081	6,488	7,467	6,784	5,791	6,441	6,890	6,997	6,939	6,272
Per capita (bd. ft.)	35	39	32	35	32	27	30	32	31	31	26
Mtl stocks, yearend	2,067	1,065	1,144	459	602	675	877	773	800	1,163	1,765
Exports	173	145	138	222	235	245	252	251	320	307	379
Imports	291	338	347	558	464	237	288	341	361	376	293
Canada ⁴	118	161	145	155	115	62	63	61	103	67	72

S Figure does not meet publication standards. Includes types not shown separately. ³Excludes hard maple. ⁴Red and sap. ¹Source: Copeland Economics Group, Inc., Stamford, Conn. ²Imports minus exports. ³Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-81*, annual.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T annual.

Figure 25.1

Lumber Production and Consumption, by Kind of Wood: 1970 to 1980



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1244.

No. 1245. LUMBER PRODUCTION, BY GEOGRAPHIC DIVISION: 1970 TO 1980

[Data based in part on a sample of sawmills and are subject to sampling variability, see source. For composition of divisions, see fig. 1, inside front cover. See *Historical Statistics, Colonial Times to 1970*, series L 113-121, for data by regions]

GEOGRAPHIC DIVISION	PRODUCTION (bil. bd. ft.)									PERCENT			
	1970	1973	1974	1975	1976	1977	1978	1979	1980, prel.	1970	1975	1979	1980, prel.
United States.....	34.7	38.8	34.6	32.6	36.3	37.9	36.3	37.7	32.3	100.0	100.0	100.0	100.0
North ¹	4.4	4.6	4.4	4.1	4.5	4.7	4.9	5.0	4.9	12.6	12.6	13.2	15.2
Hardwood.....	3.4	3.5	3.3	3.0	3.3	3.4	3.4	3.6	3.4	9.8	9.2	9.5	10.7
Softwood.....	1.0	1.1	1.1	1.1	1.3	1.3	1.5	1.4	1.5	3.0	3.4	3.7	4.5
South ¹	10.8	11.4	10.4	9.7	10.6	11.4	11.7	11.6	10.2	31.2	29.7	30.8	31.7
Hardwood.....	3.6	3.4	3.4	2.7	3.0	3.1	3.3	3.5	3.3	10.5	8.9	9.3	10.3
Softwood.....	7.2	8.0	7.0	7.0	7.7	8.3	8.4	8.1	6.9	20.7	21.4	21.5	21.4
West ^{1,2}	19.4	22.8	19.7	18.8	21.1	21.8	21.7	21.1	17.2	56.0	57.7	56.0	53.1
New England.....	7	8	8	8	9	9	10	10	11	2.2	2.5	2.7	3.3
Middle Atlantic.....	8	8	9	7	8	8	9	9	8	2.3	2.2	2.4	2.6
East North Central.....	1.2	1.3	1.2	1.1	1.2	1.3	1.4	1.4	1.3	3.5	3.4	3.6	4.1
West North Central.....	6	6	6	5	6	6	7	6	6	1.8	1.7	1.7	1.9
South Atlantic.....	5.2	5.5	5.1	4.7	5.2	5.3	5.4	5.8	5.2	15.1	14.8	15.4	16.0
East South Central.....	3.4	3.6	3.4	3.0	3.3	3.6	3.7	3.6	3.2	9.8	9.1	9.6	10.0
West South Central.....	3.2	3.3	2.9	3.0	3.1	3.5	3.8	3.2	2.9	9.3	9.1	8.6	9.1
Mountain.....	4.2	4.6	3.9	3.9	4.6	4.7	4.7	4.5	3.8	12.0	12.1	11.9	11.8
Pacific.....	16.3	18.0	15.8	14.8	16.6	17.1	17.0	16.6	13.4	44.0	45.4	44.2	41.4

¹Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-81*, annual. ²Includes small volumes of western hardwoods—about 2 billion board feet in recent years.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T, annual.

No. 1246. LOGS—EXPORTS AND IMPORTS: 1960 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series L 138-150]

ITEM	VOLUME (mil. bd. ft., log scale)						VALUE (mil. dol.)					
	1960	1970	1975	1979	1980	1981	1960	1970	1975	1979	1980	1981
Exports.....	286	2,741	2,867	3,867	3,361	2,634	29	366	724	1,761	1,891	1,886
Softwoods.....	210	2,672	2,601	3,768	3,109	2,377	16	320	681	1,614	1,452	1,003
Hardwoods.....	56	69	66	129	152	157	13	36	43	138	129	82
Imports.....	112	144	85	133	128	101	8	13	16	29	29	29
Softwoods.....	32	107	69	118	114	88	1	9	12	26	17	17
Hardwoods.....	80	36	17	15	13	14	7	5	3	3	3	3

Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-81*, annual.

No. 1247. WOOD PRODUCTS—PRODUCTION: 1960 TO 1981

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Hardwood flooring.....	Mil. bd. ft.	915	808	333	155	160	390	385	380	270	280	
Softwood plywood.....	Bil. sq. ft., $\frac{3}{4}$ " basis	7.8	12.4	14.1	15.7	17.9	18.9	19.5	18.2	15.7	16.1	
Insulation boards.....	1,000 short tons	1,066	1,258	1,219	1,249	1,434	1,403	1,425	1,351	1,051	846	
Hardboard.....	1,000 short tons	686	1,093	1,483	1,764	2,110	2,237	2,418	2,291	1,970	1,869	
Particleboard.....	Mil. sq. ft. $\frac{3}{4}$ " basis	266	780	1,764	2,503	3,189	3,569	3,696	3,536	3,029	2,900	

Source: U.S. Dept. of Commerce, Bureau of Industrial Economics, *Forest Products Review*, monthly, and unpublished data. Based on reports of U.S. Bureau of the Census and National Particleboard Association, Silver Spring, Md.

No. 1248. PLYWOOD—PRODUCTION, IMPORTS, EXPORTS, CONSUMPTION, AND VALUE OF SHIPMENTS: 1960 TO 1980

[See also *Historical Statistics, Colonial Times to 1970*, series L 151-165]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
Total production.....	Mil. sq. ft. $\frac{3}{4}$ " basis	8,861	14,477	15,945	16,707	16,766	18,968	20,085	20,876	19,364	16,786
Softwood.....	Mil. sq. ft. $\frac{3}{4}$ " basis	7,759	12,426	14,149	15,306	15,706	17,906	18,677	19,482	18,204	15,749
Hardwood.....	Mil. sq. ft. $\frac{3}{4}$ " basis	1,102	2,049	1,796	1,401	1,052	1,063	1,187	1,185	1,150	1,039
Imports.....	Mil. sq. ft. $\frac{3}{4}$ " basis	725	1,052	2,049	1,649	1,925	2,368	2,273	2,555	2,097	1,235
Exports.....	Mil. sq. ft. $\frac{3}{4}$ " basis	15	37	172	810	859	795	357	328	430	419
Consumption.....	Mil. sq. ft. $\frac{3}{4}$ " basis	9,571	15,492	17,822	17,746	17,823	20,561	21,861	22,903	21,021	17,810
Total shipments ¹	Mil. dol.	(NA)	1,124	1,389	2,020	2,673	2,778	3,602	4,078	3,822	3,343
Softwood.....	Mil. dol.	(NA)	775	959	1,626	1,726	2,382	3,125	3,549	3,218	2,670
Hardwood.....	Mil. dol.	(NA)	349	310	394	347	417	477	629	604	673

NA Not available. ¹Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24F and MA-24H, both annual. Includes interplant transfers.

²Except as noted, U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-81*.

No. 1249. PULPWOOD—PRODUCTION, CONSUMPTION, AND PRICES: 1960 TO 1980

[In millions of standard cords of 128 cubic feet, except as indicated. Excludes Hawaii in 1960. See *Historical Statistics, Colonial Times to 1970*, series L 168 and L 169, for similar data]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980, prel.
Production, total	48.0	52.3	70.6	71.3	77.3	81.8	86.0	77.4	78.9	66.1	64.3	65.9
Softwood	31.5	36.8	53.4	53.2	58.7	59.6	52.4	56.1	60.2	56.9	63.3	65.2
Hardwood	6.5	12.5	17.1	16.0	20.4	22.2	16.8	19.3	19.8	21.2	22.9	25.4
Consumption, total¹	40.5	42.0	47.8	71.5	73.8	74.3	65.4	73.2	73.9	74.3	77.8	78.7
Softwood	32.1	36.7	51.3	53.8	54.8	54.8	48.9	54.8	55.7	54.9	57.9	58.6
Hardwood	8.4	12.3	16.3	17.9	18.8	19.6	16.5	18.4	18.3	19.2	19.7	20.9
Prices: (Dol. per standard cord)												
Southern pine:												
Mid-south	16.05	16.30	18.80	20.80	23.85	25.25	25.70	29.75	31.40	33.16	40.10	43.30
Southeast	16.45	17.85	21.10	22.85	26.20	32.80	33.20	33.80	34.55	36.25	40.85	43.80
Louisiana	14.85	15.70	17.75	19.25	22.50	28.30	29.25	30.45	31.85	34.55	38.95	41.45
Hardwoods:												
Mid-south	13.10	13.80	16.95	18.55	21.30	25.30	25.70	28.50	28.10	30.35	33.00	36.70
Southeast	13.80	14.35	17.15	18.95	21.15	24.10	24.55	24.55	26.55	28.15	30.40	32.80
Louisiana	12.15	13.85	17.45	18.00	22.00	24.95	26.20	26.10	27.20	28.30	32.05	33.80
New Hampshire	18.50	18.50	20.00	22.00	23.50	26.50	26.50	31.85	33.00	35.00	37.00	41.50

¹Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-28A, monthly and annual.

Source: Except as noted, U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-81*, annual.

No. 1250. PAPER AND PAPERBOARD—PRODUCTION AND CONSUMPTION: 1965 TO 1981

[In millions of short tons. See also *Historical Statistics, Colonial Times to 1970*, series L 172, L 174, and L 175-191]

ITEM	PRODUCTION						CONSUMPTION					
	1965	1970	1975	1979	1980	1981	1965	1970	1975	1979	1980	1981
Total paper and paperboard	43.5	61.7	81.1	84.5	83.7	84.4	48.3	66.0	84.3	70.0	67.3	68.1
Paper	19.2	23.4	23.4	28.8	30.3	31.8	26.1	28.8	28.4	37.8	37.1	37.5
Newsprint	2.2	3.5	3.7	4.1	4.7	5.2	3.5	6.8	6.0	11.2	11.4	11.7
Coated printing, converting	2.8	3.3	3.2	4.5	4.7	4.8	2.8	3.2	3.1	4.8	4.7	4.9
Uncoated free sheet	4.2	5.1	5.4	7.8	8.0	7.9	4.2	5.1	5.3	7.9	8.0	7.9
Other printing, writing, etc.	2.3	2.6	2.5	3.0	2.9	2.9	2.4	2.7	2.6	3.8	3.4	3.4
Packaging and industrial converting	4.7	5.2	4.7	5.9	5.6	5.8	4.5	5.1	4.4	5.8	5.3	5.3
Tissue and other machine creped	2.9	3.7	4.0	4.5	4.4	4.5	2.9	3.7	3.9	4.5	4.3	4.5
Paperboard	24.3	38.4	57.6	55.7	53.4	52.6	22.2	37.2	55.9	32.2	30.2	30.6
Unbleached kraft	8.3	11.5	11.5	15.2	15.3	15.6	7.4	9.9	10.5	13.5	13.0	13.8
Bleached kraft	2.8	3.3	3.3	4.0	3.9	3.9	2.8	3.2	3.1	3.5	3.3	3.4
Bemichemical	2.7	3.5	3.7	4.7	4.7	4.7	2.8	3.4	3.6	4.6	4.4	4.6
Recycled furnish	7.5	7.0	6.2	7.6	7.1	7.0	7.5	7.0	6.2	7.6	7.0	7.0
Construction paper and board ¹	3.0	3.0	3.0	3.3	2.6	2.1	3.0	3.0	3.0	3.0	3.0	2.4

¹Includes wet machine board, approximately 1 million tons per year.

Source: American Paper Institute, Inc., New York, N.Y., *The Statistics of Paper, Paperboard, and Woodpulp*, annual.

No. 1251. NEWSPRINT—PRODUCTION, STOCKS, CONSUMPTION, IMPORTS, AND PRICE: 1960 TO 1981

[In thousands of short tons, except price. See also *Historical Statistics, Colonial Times to 1970*, series L 192-196]

COUNTRY AND ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Canada:											
Production	6,739	7,720	8,807	9,548	7,679	8,915	8,986	9,746	9,852	9,507	9,861
Shipments from mills	6,752	7,747	8,882	9,567	7,727	8,712	9,005	9,825	9,878	9,504	9,827
Stocks at mills, end of year	140	150	236	143	95	299	262	203	179	182	214
United States:¹											
Total estimated consumption, all users ²	7,313	8,483	9,708	10,284	9,254	9,811	10,228	10,874	11,240	11,121	11,205
Production ³	2,038	2,245	3,484	3,561	3,880	3,736	3,870	3,767	4,062	4,672	5,239
Shipments from mills ⁴	2,031	2,246	3,457	3,580	3,880	3,728	3,866	3,779	4,066	4,667	5,220
Stocks, end of year: At mills ⁵	26	19	39	25	21	29	34	22	16	23	42
At and in transit to publishers	628	573	749	827	734	821	796	726	692	607	1,059
Imports ⁶	5,412	6,323	6,835	7,399	5,847	6,589	6,559	7,484	7,229	7,279	6,977
Producer price index (1967=100)	98.1	94.5	107.6	151.2	184.0	198.2	215.4	226.3	249.4	279.3	308.1

¹Excludes Alaska and Hawaii, except as noted. ²Based on Newspaper Publishers Association sample of publishers. See also table 952. ³Beginning 1965, includes Alaska and Hawaii. ⁴Source: Reports of U.S. Bureau of the Census. Includes Alaska, Hawaii, and Puerto Rico. ⁵Average for 11 months.

Source: Except as noted, U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly. Data from American Newspaper Publishers Association, Reston, Va., and American Paper Institute, Inc., New York, N.Y.

No. 1252. WOODPULP—NEW SUPPLY AND CONSUMPTION: 1960 TO 1981

[In millions of short tons. 1960 excludes Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series L 166-170]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total new supply ¹	25.9	35.7	44.0	53.0	49.7	43.8	48.9	50.4	51.4	52.6	52.4	54.5
Production, total ²	25.3	34.0	43.5	48.3	48.3	43.1	47.7	49.1	50.0	51.2	52.1	54.3
Sulphate	14.6	21.5	29.5	33.0	33.0	29.2	32.8	34.2	35.5	36.3	37.3	38.6
Groundwood ³	3.3	3.8	4.4	4.7	4.7	4.4	4.8	4.9	4.7	4.8	4.9	5.3
Imports	2.4	3.1	3.5	4.0	4.1	3.1	3.7	3.9	4.0	4.3	4.1	4.1
Exports	1.1	1.4	3.1	2.3	2.8	2.8	2.5	2.5	2.6	2.9	3.6	3.9
Consumption in paper and board ²	25.7	34.0	43.2	48.6	48.3	42.4	47.5	48.5	51.6	51.8	51.8	52.6

¹Production plus imports, less exports. ²Source: U.S. Bureau of the Census, *Current Industrial Reports*, through 1980. Production includes other, not shown separately. ³Beginning 1975, includes thermochemical pulp.

Source: Except as noted, American Paper Institute, Inc., New York, N.Y., *Statistics of Paper, Paperboard, and Wood Pulp*, annual, and *Monthly Statistical Summaries*.

No. 1253. WASTEPAPER UTILIZATION AND RECOVERY RATES: 1960 TO 1981

[In millions of short tons, except percent. Recovery rate is ratio of total wastepaper recovered to new supply. Wastepaper utilization is the ratio of wastepaper consumption at paper and board mills to paper and board production. See *Historical Statistics, Colonial Times to 1970*, series L 175, for U.S. wastepaper consumption]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Paper and board, production	34.4	44.1	53.5	61.1	52.9	60.5	62.4	64.6	66.9	65.7	68.2
Wastepaper consumption	9.0	10.2	11.8	14.0	11.7	13.6	14.1	14.8	15.4	14.9	15.4
Wastepaper utilization rate (percent)	26.2	23.1	22.1	22.9	22.2	22.5	22.6	22.9	23.0	22.7	23.3
Other wastepaper uses ¹	20	20	42	40	54	83	67	50	47	47	49
Wastepaper exports ²	15	25	42	1.31	86	1.27	1.51	1.80	2.23	2.66	2.21
Total wastepaper recovered	9.3	10.6	12.6	15.7	13.1	15.4	16.3	16.8	18.0	17.9	18.0
Paper and board, new supply	39.1	48.1	57.9	65.5	58.0	64.3	66.4	70.5	72.8	68.4	70.1
Recovery rate (percent)	23.8	21.5	21.2	23.9	23.3	23.9	24.6	23.8	24.7	26.7	25.7

¹Estimated. ²Source: U.S. Bureau of the Census.

Source: Except as noted, American Paper Institute, Inc., New York, N.Y., *Statistics of Paper, Paperboard, and Wood Pulp*, annual, and unpublished data.

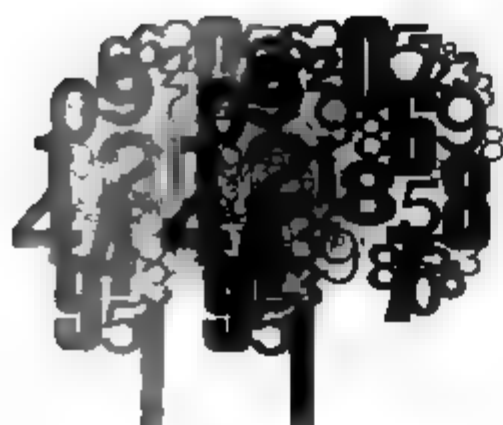
No. 1254. TURPENTINE AND ROSIN—PRODUCTION, IMPORTS, EXPORTS, AND CONSUMPTION: 1960 TO 1980

[For years beginning April 1. See *Historical Statistics, Colonial Times to 1970*, series L 176 and L 177, for total production]

ITEM	Unit	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980
TURPENTINE												
Production	1,000 bbl. ¹	604.8	700.7	575.8	530.6	487.0	447.6	482.2	477.1	507.7	527.8	(NA)
Gum	1,000 bbl. ¹	119.0	111.4	25.8	21.4	15.8	20.7	17.4	14.5	9.7	6.7	6.3
Wood	1,000 bbl. ¹	485.8	589.3	550.0	509.2	471.4	426.9	464.8	462.6	498.0	521.1	(NA)
Value of production	\$1,000	2,849	3,091	1,550	863	1,084	1,840	1,278	1,035	784	686	(NA)
Price per gallon (dol.)	Dollars	479	555	1,200	806	1,360	1,585	1,427	1,425	1,610	2,036	(NA)
Imports	1,000 bbl. ¹	15.6	18.0	24.1	33.8	29.7	58.8	16.3	7.9	7.1	7.8	12.7
Exports	1,000 bbl. ¹	81.8	45.1	30.7	30.7	16.3	4.2	20.3	19.4	15.3	19.5	23.0
Gum	1,000 bbl. ¹	23.2	21.5	6.1	3.2	2.1	1.5	2.1	9	6	6	5
Wood	1,000 bbl. ¹	58.6	23.6	33.5	27.5	14.2	2.7	18.2	18.5	14.7	12.9	22.5
Industrial consumption	1,000 bbl. ¹	378.8	535.6	636.2	443.1	439.7	423.5	480.6	473.3	505.3	504.3	(NA)
Gum	1,000 bbl. ¹	3.5	8.2	3.1	1.9	2.0	2.2	1.8	1.7	1.5	1.1	(NA)
Wood	1,000 bbl. ¹	373.2	527.4	533.1	441.4	437.7	421.2	478.8	471.5	503.7	503.2	(NA)
ROSIN												
Production	1,000 drums	2,010	2,067	1,856	1,584	1,306	1,066	1,367	1,301	1,338	1,363	(NA)
Gum	1,000 drums ²	970	361	68	74	54	72	61	61	36	24	22
Wood	1,000 drums ²	1,640	1,706	1,588	1,510	1,252	1,016	1,296	1,250	1,304	1,339	(NA)
Value of production	\$1,000	27,787	19,362	6,818	6,737	10,106	9,338	7,971	6,702	4,825	4,365	(NA)
Price per 100 lb. net (dol.)	Dollars	14.52	10.36	15.09	22.72	35.92	25.15	24.46	25.35	27.54	35.05	(NA)
Imports	1,000 drums ²	(Z)	1	(Z)	108	182	21	25	31	55	62	29
Exports	1,000 drums ²	629	541	570	424	268	174	260	215	329	366	383
Gum	1,000 drums ²	157	81	124	28	18	13	15	14	11	18	15
Wood	1,000 drums ²	471	460	446	396	260	161	265	201	318	378	368
Industrial consumption	1,000 drums	1,409	1,536	1,462	1,271	1,103	1,046	1,203	1,074	1,168	1,065	(NA)
Gum	1,000 drums ¹	258	136	121	100	110	104	58	74	64	41	(NA)
Wood	1,000 drums ²	1,151	1,400	1,341	1,171	993	942	1,146	1,000	1,104	1,024	(NA)

NA Not available. Z Less than 500. ¹50 gallon barrels. ²517 pounds per drum. ³520 pounds per drum.

Source: U.S. Department of Agriculture, Statistical Reporting Service, *Agricultural Statistics*, annual, and *Naval Stores*, annual summary.



Section 26

Fisheries

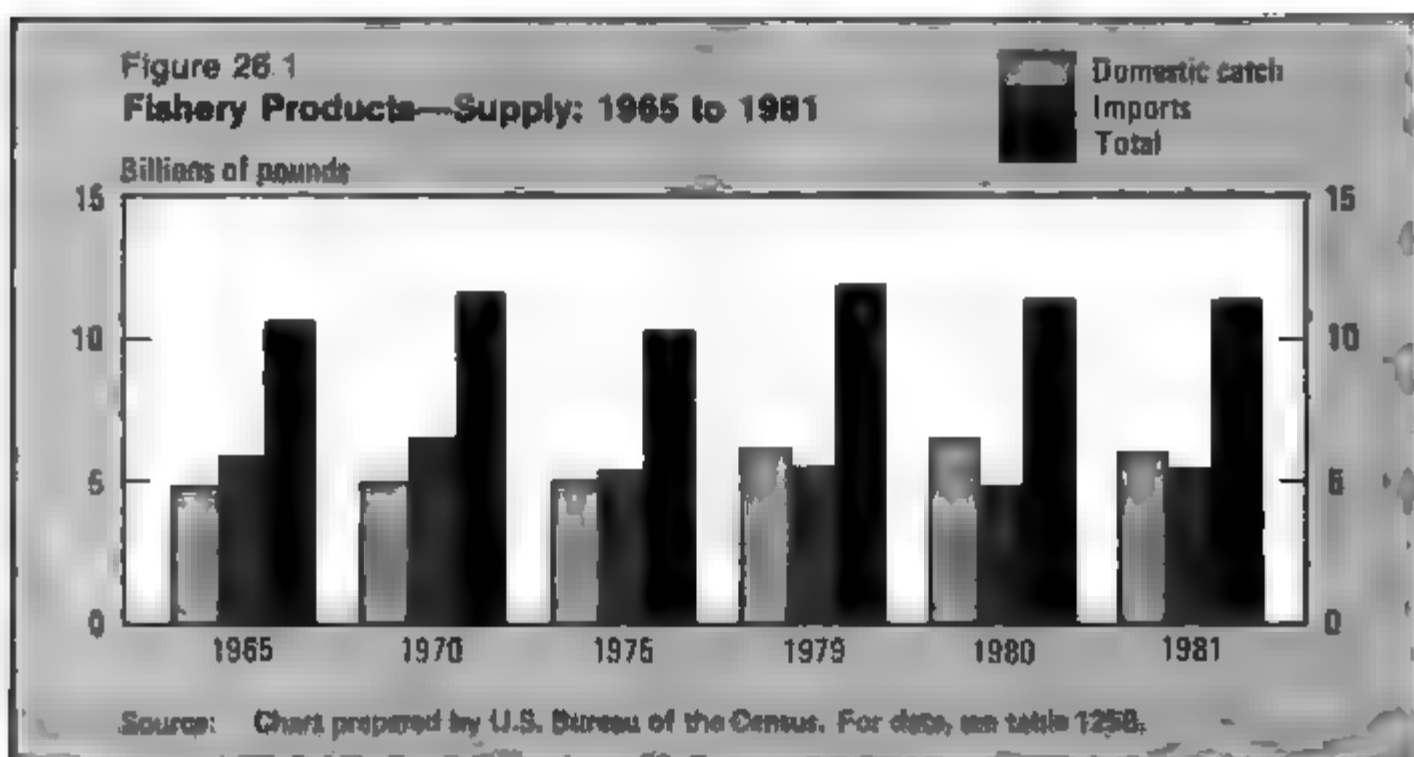
This section presents statistics on commercial fishing and the fish processing industry. The principal sources of these data are *Fishery Statistics of the United States*, and *Fisheries of the United States*, both issued annually by the National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA).

The NMFS collects and disseminates data on commercial landings of fish and shellfish, freezings and holdings of fishery products, fish meal and oil production, and foreign trade in fishery products. Quarterly data are published on U.S. output of fish sticks, fish portions, and breaded shrimp. Annual reports include quantity and value of commercial landings of fish and shellfish (by species, region, State, and type of fishing gear), disposition of landings, number of fishermen, and number and kinds of fishing vessels and fishing gear. Reports for the fish-processing industry include annual output of canned, packaged, and industrial products and, for the wholesaling and fish processing establishments, annual and seasonal employment, and number of firms, by product and State. Annual data are published on foreign trade in fishery products and per capita consumption of edible fishery products.

The Magnuson Fishery Conservation and Management Act of 1976 established a Fisheries Conservation Zone (FCZ) which gives the Federal Government exclusive authority over domestic and foreign fisheries within 200 nautical miles of U.S. shores and over certain living marine resources beyond the FCZ. Within the FCZ, the total allowable level of foreign fishing, if any, is that portion of the "optimum yield" not harvested by U.S. vessels. Adjustments in the "optimum yield" level may occur periodically. For details, see *Fisheries of the United States, 1981*. The NMFS collects and disseminates data on catches by foreign fishing vessels in the FCZ.

The catch value as presented in various tables is "ex-vessel," or value at the dock. It represents the price received by fishermen and vessel owners for fish, shell-fish, etc.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.



1978

NO. 1256. FISHERIES—QUANTITY AND VALUE OF DOMESTIC CATCH: 1940 TO 1981

[Prior to 1950, excludes Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series L 224-228, L 229, and L 310]

YEAR	QUANTITY (mil. lb.)			Ex-vessel value (mil. dol.)	Average price per lb. (cents)	YEAR	QUANTITY (mil. lb.)			Ex-vessel value (mil. dol.)	Average price per lb. (cents)
	Total	For human food	For industrial products				Total	For human food	For industrial products		
1940.....	4,060	2,675	1,385	60	2.4	1973.....	4,858	2,396	2,462	937	19.3
1945.....	4,598	3,187	1,431	270	5.9	1974.....	4,867	2,488	2,471	932	18.7
1950.....	4,901	3,307	1,594	347	7.1	1975.....	4,877	2,485	2,412	977	20.0
1955.....	4,608	2,579	2,230	339	7.1	1976.....	5,386	2,775	2,613	1,349	25.0
1960.....	4,942	2,496	2,444	354	7.2	1977.....	5,196	2,900	2,296	1,515	29.1
1965.....	4,777	2,587	2,190	448	9.3	1978, prel.....	6,026	3,177	2,851	1,548	30.7
1970.....	4,917	2,537	2,380	613	12.5	1979, prel.....	6,267	3,318	2,949	2,234	35.8
1971.....	5,016	2,441	2,577	651	13.0	1980, prel.....	6,482	3,654	2,828	2,237	34.5
1972.....	4,608	2,435	2,371	748	15.6	1981, prel.....	5,977	3,547	2,430	2,398	40.0

¹ Live weight. ² Meat, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food.Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

NO. 1256. FISHERIES—EMPLOYMENT, FISHING CRAFT, AND ESTABLISHMENTS: 1960 TO 1980

[In thousands. As of Dec. 31. Data for employment and establishments exclude Alaska. See also *Historical Statistics, Colonial Times to 1970*, series L 254-261]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977, prel.	1978, prel.	1979, prel.	1980, prel.
Persons employed in U.S.	224	216	227	227	253	260	286	266	257	277	286
Fishermen.....	130	129	140	148	181	168	174	173	172	184	189
Shore workers ¹	94	87	87	94	92	92	92	96	85	93	103
Craft used.....	77	80	86	96	101	103	109	104	104	105	103
Vessels, 5 net tons and over.....	12	12	14	15	16	16	17	18	18	18	9
Motorboats.....	57	64	72	72	83	85	84	84	84	84	93
Other boats.....	8	3	2	2	2	2	2	2	2	1	1
Fishery shore establishments.....	4.2	4.2	3.7	3.6	3.5	3.5	3.6	3.6	3.6	3.6	3.6

¹ Seasonal average.Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

NO. 1257. FISHERIES—FISHERMEN AND CRAFT, 1976, AND CATCH, 1979 AND 1980, BY AREA

[See *Historical Statistics, Colonial Times to 1970*, series L 236-253, for data on quantity and ex-vessel value of catch]

AREA	1975 ¹			1975		1980					
	Fisher- men (1,000)	Fishing vessels	Fishing boats ² (1,000)	Total catch (mil. lb.)	Value (mil. dol.)	Catch (mil. lb.)			Value of catch (mil. dol.)		
						Total	Fin- fish	Shell- fish	Total	Fin- fish	Shell- fish
United States.....	³ 173.6	³ 16,876	³ 86.9	6,267	2,234	6,482	5,328	1,154	2,237	1,166	1,072
New England States.....	30.5	868	15.6	709	302	768	701	67	327	164	173
Middle Atlantic States.....	17.7	680	12.5	228	92	244	187	57	87	32	65
Chesapeake Bay States.....	25.0	1,338	15.4	639	122	718	586	130	130	42	88
South Atlantic States.....	10.8	1,421	6.0	486	145	473	376	97	146	62	86
Gulf States.....	28.1	5,193	10.0	2,129	530	1,979	1,701	278	463	111	352
Pacific Coast States.....	48.4	7,193	13.8	1,825	1,006	2,140	1,841	499	1,025	710	315
Great Lakes States.....	1.1	194	.5	49	11	44	44	-	14	14	-
Mississippi River States.....	11.7	-	11.0	⁴ 86	15	65	79	6	21	16	3
Hawaii.....	2.7	101	1.3	14	11	11	11	(2)	12	12	(2)

- Represents zero. Z Less than 500,000 pounds or \$500,000. ¹ As of Dec. 31. ² Refers to craft having capacity of less than 5 net tons. ³ Exclusive of duplication among regions. Computation of area amounts will not equal U.S. total.⁴ Mississippi River and other areas.Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

NO. 1258. FISHERY PRODUCTS—SUPPLY: 1960 TO 1981

[Live weight, in millions of pounds, except percent. 1977-1981 preliminary. See *Historical Statistics, Colonial Times to 1970*, series L 224-226, for domestic catch]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total.....	8,223	10,535	11,474	10,379	9,875	10,164	11,283	10,579	11,508	11,831	11,367	11,369
For human food.....	4,264	5,163	6,213	7,109	6,936	6,394	7,404	7,414	8,135	8,251	8,006	8,267
Finfish.....	(NA)	(NA)	(NA)	(NA)	4,871	4,848	5,657	5,589	6,263	6,324	6,139	6,316
Shellfish ¹	(NA)	(NA)	(NA)	(NA)	1,967	1,546	1,747	1,825	1,872	1,927	1,867	1,951
For industrial use.....	3,959	5,372	5,261	3,269	3,237	3,770	4,189	3,165	3,374	3,580	3,361	3,096
Domestic catch.....	4,942	4,777	4,917	4,868	4,967	4,877	5,388	5,196	6,028	6,267	6,482	6,977
Percent of total.....	60.1	45.3	42.8	46.8	50.2	47.9	48.5	49.1	52.4	53.0	57.1	62.7
For human food.....	2,486	2,587	2,537	2,398	2,496	2,465	2,775	2,900	3,177	3,318	3,854	3,547
Finfish.....	(NA)	(NA)	(NA)	(NA)	1,522	1,548	1,776	1,781	2,016	2,204	2,516	2,414
Shellfish ¹	(NA)	(NA)	(NA)	(NA)	974	917	969	1,119	1,159	1,114	1,136	1,133
For industrial use.....	2,444	2,190	2,380	2,460	2,471	2,412	2,613	2,296	2,851	2,949	2,826	2,430
Imports ²	3,281	5,758	6,557	6,520	4,908	5,267	6,205	5,381	5,481	5,564	4,875	5,376
Percent of total.....	39.9	54.7	57.2	53.2	49.8	52.1	53.5	50.9	47.6	47.0	42.9	47.3
For human food.....	1,768	2,576	3,676	4,709	4,142	3,929	4,629	4,514	4,966	4,933	4,362	4,720
Finfish.....	(NA)	(NA)	(NA)	(NA)	3,449	3,300	3,881	3,806	4,245	4,120	3,623	3,902
Shellfish ¹	(NA)	(NA)	(NA)	(NA)	693	629	746	706	713	813	729	818
For industrial use ³	1,515	3,182	2,881	811	766	1,358	1,576	867	888	631	523	656

NA Not available. ¹For univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell, is reported. ²Excludes imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. ³Fish meal and sea herring.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

NO. 1259. FISHERIES—DISPOSITION OF DOMESTIC CATCH: 1960 TO 1981

[Live weight catch in millions of pounds. Prior to 1960, excludes Hawaii. 1977-1981 preliminary. In addition to whole fish, a large portion of waste (400-500 million lb.) derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil in each year shown. See *Historical Statistics, Colonial Times to 1970*, series L 305-310, for similar but not entirely comparable data]

DISPOSITION	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total.....	4,942	4,777	4,917	4,868	4,967	4,877	5,388	5,196	6,028	6,267	6,482	6,977
Fresh and frozen.....	1,631	1,751	1,595	1,685	1,660	1,744	1,921	2,025	2,237	2,394	2,621	2,547
Canned.....	1,043	1,042	1,150	882	1,005	907	1,051	1,078	1,099	1,048	1,181	1,118
Cured.....	82	78	71	81	68	55	55	55	52	94	96	90
Reduced to meal, oil, etc.....	2,186	1,906	2,101	2,200	2,233	2,171	2,361	2,040	2,640	2,733	2,604	2,222

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

NO. 1260. FISHERIES, SELECTED COUNTRIES—COMMERCIAL CATCH, 1975 TO 1980, AND CATCH PER CAPITA, 1975

[In billions of pounds, live weight, except per capita. Catch of fish, crustaceans, mollusks (including weight of shells), and other aquatic plants and animals, except whales and seals. World total includes countries not shown separately]

COUNTRY	1975		1976	1978	1980	COUNTRY	1975		1976	1978	1980
	Total	Per capita ¹ (lb.)					Total	Per capita ¹ (lb.)			
World total.....	146.6	27.1	157.1	168.2		Thailand.....	3.4	50.5	4.6	3.8	3.6
United States.....	6.3	36.1	7.5	7.7	8.0	Iceland.....	2.2	147.3	3.5	3.6	3.3
Japan.....	21.8	146.6	22.5	21.9	23.0	Philippines.....	3.2	73.0	3.3	3.3	3.4
Soviet Union.....	22.0	63.3	19.7	20.1	20.8	Canada.....	2.2	40.1	3.0	3.1	2.9
Peru.....	7.6	97.9	7.4	8.1	6.0	Korea, D.P.R. (est.).....	2.3	78.5	2.8	2.9	3.1
Chile.....	2.0	34.8	4.3	5.8	6.2	Spain.....	3.3	77.8	3.0	2.7	2.7
Norway.....	5.5	103.6	5.7	5.8	5.3	Vietnam (est.).....	2.2	48.1	2.2	2.2	2.2
India.....	5.0	7.0	5.1	5.2	5.3	Brazil.....	1.7	15.2	1.8	1.9	1.9
Korea, Rep. of.....	4.2	104.3	4.8	4.8	4.8	Mexico.....	1.0	10.6	1.5	1.9	2.7
Denmark.....	3.9	77.4	3.8	3.8	4.5	France.....	1.7	48.9	1.7	1.6	1.7
Indonesia.....	3.0	23.6	3.6	3.9	4.1	South Africa, Rep. of.....	1.3	15.4	1.3	1.4	1.4
						Poland.....	1.8	45.2	1.3	1.3	1.4
						United Kingdom.....	1.1	38.1	1.2	1.1	.8

¹1975-1977 average.

Source: Food and Agricultural Organization of the United Nations, Rome, Italy, *Yearbook of Fishery Statistics, 1980*, vol. 80.

NO. 1261. FISHERIES—CATCH AND VALUE OF PRINCIPAL SPECIES, 1965 TO 1981

[Catch in millions of pounds live weight, value in millions of dollars. Data exclude landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States, and production of artificially cultivated fish and shellfish. 1979-1981 preliminary]

SPECIES	CATCH						VALUE					
	1965	1970	1975	1979	1980	1981	1965	1970	1975	1979	1980	1981
Fish:												
Cod, Atlantic.....	36	53	56	99	116	100	3	6	13	29	32	33
Flounder.....	180	169	162	209	217	201	16	23	44	63	62	66
Haddock.....	134	27	16	42	55	55	14	6	5	16	21	22
Halibut.....	40	36	21	21	19	27	9	9	16	36	17	21
Herring, sea.....	110	79	131	209	291	247	2	2	6	47	45	31
Jack mackerel.....	67	47	37	36	44	31	2	2	2	2	4	3
Menhaden.....	1,726	1,837	1,803	2,804	2,497	2,105	27	34	49	109	112	81
Ocean perch, Atlantic.....	84	56	32	34	24	19	3	3	3	7	6	5
Pollock.....	12	9	21	41	43	41	1	1	2	7	7	8
Salmon, Pacific.....	327	410	202	536	514	548	65	89	107	413	357	436
Tuna.....	319	393	393	364	399	341	42	75	107	158	233	206
Whiting.....	69	45	42	36	36	37	2	4	4	6	8	7
Shellfish:												
Clams (meats).....	71	59	113	92	95	121	17	26	43	79	90	107
Crabs.....	336	277	306	466	523	446	31	39	51	284	291	297
Lobsters, American.....	30	34	30	37	37	37	22	33	51	72	75	87
Oysters (meats).....	55	54	63	48	49	50	28	29	45	66	70	69
Scallops (meats).....	23	11	14	34	30	46	15	12	23	112	114	129
Shrimp.....	244	367	347	336	340	355	52	130	226	472	403	463

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

NO. 1262. PRICES RECEIVED BY FISHERMEN AND VESSEL OWNERS, 1965 TO 1981

[Cents per pound. Live weight. 1977-1981 data are preliminary. Based on prices received by fishermen and vessel owners. See also *Historical Statistics, Colonial Times to 1970*, series L 321-337]

SPECIES	Point of pricing	1965	1970	1974	1975	1977	1978	1979	1980	1981
Clams, soft.....	Maine.....	49.1	47.5	76.4	66.9	118.3	124.3	144.6	150.7	156.7
Cod.....	Massachusetts.....	9.4	13.1	19.8	24.2	22.6	25.4	29.3	27.3	33.0
Crabs, blue, hard.....	Maryland, Virginia.....	7.6	6.6	12.7	15.7	20.1	20.5	19.1	20.3	23.4
Flounder.....	Massachusetts.....	9.5	15.3	26.5	34.9	41.7	50.5	47.2	42.4	57.9
Haddock.....	Massachusetts.....	10.2	26.8	36.9	32.8	31.9	31.9	42.6	36.7	39.4
Lobsters, American.....	Maine.....	75.2	94.7	141.0	161.5	173.6	177.1	180.3	189.7	206.6
Menhaden.....	(No specific point).....	1.8	1.8	3.3	2.7	3.6	3.6	4.2	4.5	3.9
Ocean perch.....	Maine, Massachusetts.....	4.1	4.9	8.1	10.3	15.3	17.1	21.0	23.0	26.3
Oysters, eastern.....	Maryland, Virginia.....	76.6	61.1	70.1	80.1	110.7	110.7	125.9	131.3	129.2
Salmon, chinook.....	(No specific point).....	37.1	55.4	84.2	85.9	137.6	133.6	173.5	166.3	182.5
Salmon, coho.....	(No specific point).....	26.9	39.3	67.8	77.6	107.4	116.6	142.5	109.7	94.5
Sea scallops.....	New Bedford, Mass.....	67.5	135.6	154.3	188.6	185.6	253.5	340.3	518.0	409.6
Shrimp.....	So. Atlantic, Gulf.....	36.6	47.6	73.3	107.0	113.9	130.6	165.4	149.0	173.1
Tuna, albacore.....	(No specific point).....	15.7	26.7	36.5	33.3	58.7	60.6	64.7	80.1	91.0

Source: U.S. National Oceanic and Atmospheric Administration, *Prices Received by Fishermen*, H.S. No. 12 (C.F.S. No. 4657 Revised), *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

NO. 1263. COMMERCIAL FISHERY PRODUCTS—PER CAPITA CONSUMPTION: 1950 TO 1981

[Pounds of edible meat. 1977-1981 preliminary. Based on U.S. Bureau of the Census estimates of the civilian resident population as of July 1. See also *Historical Statistics, Colonial Times to 1970*, series L 294-304]

PRODUCT	1950	1955	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total.....	11.8	10.5	10.3	10.6	11.8	12.5	12.8	12.1	12.2	12.6	12.7	13.4	13.0	12.8	13.6
Fresh and frozen.....	6.3	6.0	5.7	6.0	6.0	7.1	7.4	6.9	7.5	8.2	7.7	8.1	7.8	8.0	7.9
Fish ¹	4.7	4.2	3.8	3.8	4.5	4.7	5.2	4.4	4.9	5.6	5.1	5.5	5.4	5.5	5.0
Shellfish.....	1.6	1.7	1.9	2.2	2.4	2.4	2.2	2.5	2.6	2.6	2.6	2.6	2.4	2.5	2.9
Canned.....	4.9	3.9	4.0	4.3	4.5	4.9	5.0	4.7	4.3	4.2	4.6	5.0	4.8	4.5	4.8
Tuna.....	1.1	1.4	2.0	2.3	2.5	2.9	3.1	3.1	2.9	2.8	2.9	3.3	3.3	2.9	3.1
Salmon.....	1.4	1.0	.7	.9	.7	.7	.4	.3	.4	.4	.5	.6	.6	.5	.5
Shellfish.....	.4	.4	.4	.5	.5	.5	.5	.5	.4	.4	.6	.5	.5	.6	.5
Sardines.....	1.4	.6	.4	.3	.4	.4	.5	.4	.2	.3	.3	.3	.3	.3	.4
Other.....	.6	.9	.5	.9	.4	.4	.5	.4	.4	.3	.3	.4	.3	.3	.3
Cured.....	.6	.7	.6	.5	.4	.5	.4	.5	.4	.5	.4	.3	.4	.3	.4

¹ Beginning 1973, includes consumption of artificially cultivated oysters.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

**NO. 1264. CATCH, CATCH LIMITS, AND PRINCIPAL SPECIES CAUGHT BY COUNTRIES IN THE U.S.
FISHERY CONSERVATION ZONE (FCZ), BY COUNTRY: 1980 AND 1981**

[In millions of pounds live weight. Data are preliminary. Excludes tuna. (In 1980, U.S. domestic catch of tuna in FCZ was 25 mil. lb., and in 1981 35 mil. lb.). Allocations (catch limits) set by species for countries fishing within 200 to 300 miles of U.S. shores. For details, see text, p. 703, and source.]

COUNTRY	ACTUAL CATCH		ALLOCATION		Principal species caught
	1980	1981	1980	1981	
Total catch in FCZ	5,591	5,985	(x)	(x)	Pollock, menhaden, whiting.
U.S.	2,003	2,320	(x)	(x)	Pollock, menhaden, Atlantic cod.
Foreign	3,588	3,665	14,799	14,838	(x)
Japan	2,802	2,559	3,095	3,140	Pollock, flounder, Pacific cod.
U.S.S.R.	128	(x)	189	(x)	Whiting, Alaska pollock, flounder.
Korea, Rep. of	483	536	534	582	Pollock, Pacific cod, flounder.
Poland	239	362	529	508	Herring, whiting, squid.
Canada	66	66	(x)	(x)	Scallops, Atlantic cod, haddock.
Spain	39	43	79	82	Squid, whiting, butterfish.
Italy	21	27	52	50	Squid, butterfish, hake.
Germany, Fed. Rep. of	14	26	63	63	Alaska pollock, Pacific cod, Alaska mackerel.
Bulgaria	(x)	18	1	50	Whiting, jack mackerel, rockfishes.
Ireland	(x)	(x)	(x)	(x)	Squid, herring, mackerel.
Mexico	3	(x)	64	(x)	Squid, butterfish, pollock.
China (Taiwan)	12	13	22	48	Pollock, Pacific cod, flounder.
Cuba	2	(x)	19	15	Mackerel (Atl.), whiting, herring.
Romania	(z)	(x)	4	(x)	Mackerel (Atl.), whiting, squid.

X Not applicable. Z Less than 500,000. ¹ Includes countries not shown separately.

**NO. 1265. U.S. CATCH AND VALUE OF FISH AND SHELLFISH, BY DISTANCE CAUGHT OFF U.S.
SHORES—SELECTED SPECIES: 1981**

[Preliminary. Catch is shown in live weight, except as indicated. Includes landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States and catch by U.S. flag vessels unloaded onto foreign vessels within the U.S. FCZ (joint venture).]

SPECIES	Total U.S. catch ¹ (mil. lb.)	BY DISTANCE FROM U.S. SHORES						Value of U.S. catch ¹ (mil. dol.)	PERCENT OF TOTAL VALUE, BY DISTANCE CAUGHT OFF U.S. SHORES		
		Catch (mil. lb.)			Percent of U.S. catch				3 miles or less ²	3 to 200 miles	Over 200 mi.
		3 miles or less ²	3 to 200 miles	Over 200 mi.	3 miles or less ²	3 to 200 miles	Over 200 mi.				
Fish, total¹	5,281.8	2,888.7	1,818.1	475.0	54.6	34.4	9.0	1,296.1	49.7	33.1	26.2
Cod, Atlantic	122.6	10.0	110.0	2.6	18.1	80.3	1.6	37.5	16.7	82.1	1.2
Flounder	249.5	27.0	219.8	2.9	10.8	88.0	1.2	89.3	14.2	85.0	.8
Haddock	56.3	.3	54.4	.6	7	96.3	1.0	22.0	.7	99.1	1.2
Halibut	38.9	13.7	13.2	(2)	51.0	49.0	(2)	21.5	49.5	50.5	(2)
Herring, sea	247.0	216.3	30.7	-	87.6	12.4	-	30.5	95.0	5.0	-
Jack mackerel	31.0	2.9	28.1	-	9.5	90.5	-	2.8	9.5	90.5	-
Menhaden	2,106.4	1,692.8	412.8	-	80.4	19.8	-	81.3	80.5	19.5	-
Ocean perch	24.0	(2)	22.4	1.6	1	93.1	6.6	6.2	.2	92.7	7.1
Salmon, Pacific	848.4	635.3	13.0	.2	86.0	2.0	(2)	438.2	94.7	5.3	(2)
Tuna	489.9	.8	34.9	454.4	1	7.1	82.8	285.6	(2)	11.2	88.8
Whiting	38.5	2.3	34.2	(2)	6.2	93.6	(2)	7.4	6.7	93.3	(2)
Shellfish¹	1,168.8	616.0	538.4	17.4	62.8	45.9	1.6	1,221.4	42.8	54.7	2.6
Clams (meats)	120.6	48.0	72.6	-	39.8	60.2	-	107.1	28.5	71.5	-
Crabs	446.0	259.7	186.3	-	58.2	41.8	-	298.6	39.2	60.8	-
Lobsters	44.1	35.9	7.8	.4	81.3	17.7	1.0	105.9	77.8	21.1	1.1
Scallops (meats)	45.6	6.0	39.6	(2)	13.2	86.8	(2)	127.6	9.6	90.4	(2)
Shrimp	354.6	132.2	222.4	-	37.3	62.7	-	463.4	31.7	68.3	-

- Represents zero. Z Less than 50,000 pounds or .05 percent. ¹ Includes catch from international waters or off foreign shores. ² Includes all landings in Great Lakes and other inland waters. ³ Includes other species not shown separately.

NO. 1266. SUPPLY OF TUNA, SALMON, AND SARDINES: 1965 TO 1981

[In million of pounds, 1977-81 preliminary]

ITEM	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Tuna: Domestic landings, live weight	373	478	519	557	570	685	489	566	508	500	490
Imports, fresh and frozen, live weight	379	486	317	839	517	641	670	862	900	787	765
Canned tuna, total supply	410	510	675	714	582	658	583	757	674	686	710
From domestic landings	182	204	224	250	261	287	207	257	218	215	222
From imported fresh and frozen	197	234	412	411	289	312	341	448	402	397	416
Imported canned	51	72	39	53	52	59	36	52	54	64	71
Canned salmon, for U.S. consumption	150	166	55	80	58	108	130	132	100	128	155
Domestic pack	174	183	72	88	78	125	151	164	150	202	218
Exports	25	17	17	8	23	20	21	39	51	74	63
Canned sardines, total supply	75	66	81	64	67	79	74	75	80	71	83
Maine sardines	30	18	23	25	26	25	23	26	30	20	38
Imports	45	47	67	69	31	54	50	49	50	51	55

Source of tables 1264-1266: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

NO. 1267. FISHERIES—QUANTITY AND VALUE OF CATCH, BY STATES, AND CATCH OF PRINCIPAL SPECIES, BY AREAS: 1960 TO 1981

[Catch in millions of pounds, live weight, except as indicated; ex-vessel value in millions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series L 262-293]

AREA, STATE, CATCH, AND VALUE	1960	1965	1970	1974	1975	1976	1977, prel.	1978, prel.	1979, prel.	1980, prel.	1981, prel.
New England:											
Catch.....	852	702	531	523	498	547	581	661	709	788	887
Value.....	61	75	91	124	154	174	203	256	302	327	386
Maine:											
Catch.....	295	205	159	148	138	178	188	190	232	245	236
Value.....	20	22	31	41	48	54	62	68	80	83	104
New Hampshire:											
Catch.....	1	1	1	3	3	3	4	5	6	19	6
Value.....	(2)	1	1	1	1	1	2	2	3	5	4
Massachusetts:											
Catch.....	480	442	267	270	274	289	319	377	375	436	370
Value.....	36	46	47	62	63	96	114	162	176	178	187
Rhode Island:											
Catch.....	89	49	79	97	79	72	72	84	68	61	80
Value.....	4	5	11	17	19	21	21	29	36	46	48
Connecticut:											
Catch.....	6	6	5	5	4	5	4	5	6	5	1
Value.....	1	2	2	3	3	2	2	4	7	5	2
Catch for certain species:											
Cod.....	35	36	53	58	55	55	75	86	97	118	100
Flounder.....	82	112	104	81	77	80	88	87	86	118	112
Haddock.....	119	134	27	9	16	13	26	39	42	55	55
Herring, sea.....	155	75	66	71	79	110	112	111	143	184	138
Lobster, American.....	29	28	30	26	29	30	30	34	36	36	36
Ocean perch, Atlantic.....	141	84	55	41	32	32	35	36	34	24	19
Pollock.....	22	12	9	20	21	24	29	39	41	40	37
Whiting.....	104	75	40	20	33	37	33	35	16	18	20
Middle Atlantic:											
Catch.....	784	366	140	211	188	269	213	201	228	244	228
Value.....	22	25	30	44	60	69	70	79	92	97	95
New York:											
Catch.....	126	147	111	35	37	35	32	36	37	36	36
Value.....	9	12	16	25	26	32	31	34	36	45	45
New Jersey:											
Catch.....	374	160	98	167	144	227	179	164	189	201	188
Value.....	10	11	13	17	20	35	36	44	63	50	46
Delaware:											
Catch.....	264	48	10	9	7	7	2	1	2	4	3
Value.....	3	1	1	2	2	2	1	1	1	2	2
Catch for certain species:											
Clams (meats).....	32	52	63	42	53	43	50	43	46	40	48
Menhaden.....	871	151	31	108	67	151	98	83	100	121	104
Oysters (meats).....	1	1	1	3	3	4	2	2	3	3	2
Scup or porgy.....	27	17	4	10	10	9	9	11	6	6	10
Chesapeake Bay:											
Catch.....	436	592	630	597	509	587	688	669	639	717	603
Value.....	35	40	41	58	66	74	86	94	122	130	126
Maryland:											
Catch.....	69	87	60	70	64	58	60	60	66	60	115
Value.....	14	13	19	22	23	31	31	33	37	46	57
Virginia:											
Catch.....	367	505	551	530	445	529	608	539	573	637	498
Value.....	21	27	22	36	33	43	55	61	65	85	68
Catch for certain species:											
Albacore.....	19	36	21	15	12	4	1	2	2	1	1
Clams (meats).....	8	11	23	67	47	24	28	26	30	36	36
Crabs.....	71	86	70	88	82	47	59	54	66	65	64
Menhaden.....	249	390	450	385	322	448	509	436	481	546	411
Oysters (meats).....	27	21	25	25	23	21	18	22	20	21	22
South Atlantic:											
Catch.....	379	367	280	305	333	318	345	366	486	473	543
Value.....	20	27	30	51	64	74	72	96	145	141	138
North Carolina:											
Catch.....	265	234	173	207	238	226	252	300	390	366	432
Value.....	7	9	9	16	20	26	29	41	58	69	58
South Carolina:											
Catch.....	24	27	16	19	20	21	16	21	21	21	16
Value.....	4	6	4	7	13	14	10	16	26	20	14
Georgia:											
Catch.....	28	20	14	18	11	15	13	17	22	19	19
Value.....	3	4	4	7	12	12	9	14	28	20	13
Florida (east coast):											
Catch.....	61	76	76	61	67	56	64	61	55	77	76
Value.....	6	8	12	19	19	20	24	25	33	38	63
Catch for certain species:											
Crabs.....	46	46	43	36	31	27	31	47	48	56	60
Menhaden.....	216	182	138	134	167	145	171	181	181	216	294
Shrimp.....	31	26	21	27	25	26	18	20	32	33	17

See footnotes at end of table.

NO. 1257. FISHERIES—QUANTITY AND VALUE OF CATCH, BY STATES, AND CATCH OF PRINCIPAL SPECIES, BY AREAS: 1960 TO 1981—Continued

[Catch in millions of pounds, live weight, except as indicated; ex-vessel value in millions of dollars. 1977-1981 preliminary. See also *Historical Statistics, Colonial Times to 1970*, series L 282-293]

AREA, STATE, CATCH, AND VALUE	1960	1966	1970	1974	1975	1976	1977	1978	1979	1980	1981
Gulf States:											
Catch	1,266	1,463	1,686	1,776	1,654	1,743	1,476	2,267	2,129	1,979	1,700
Value	85	114	167	242	271	386	405	473	530	483	554
Florida (west coast)											
Catch	136	136	116	123	116	111	103	110	106	115	139
Value	21	27	31	52	57	69	71	73	91	86	119
Alabama											
Catch	12	18	30	34	31	32	34	30	31	25	32
Value	3	5	10	17	21	34	37	35	49	25	43
Mississippi											
Catch	314	366	296	301	306	288	313	374	379	332	260
Value	8	9	11	16	14	21	26	27	32	25	29
Louisiana											
Catch	566	767	1,107	1,223	1,115	1,219	916	1,674	1,529	1,412	1,161
Value	26	37	61	86	86	135	138	190	199	174	190
Texas											
Catch	238	154	147	94	86	93	106	99	80	94	106
Value	28	36	53	72	93	127	133	146	159	153	173
Catch for certain species:											
Crabs	36	38	36	43	41	39	43	41	42	45	41
Menhaden	641	1,023	1,209	1,296	1,197	1,236	986	1,809	1,718	1,548	1,218
Mullet	33	34	27	28	26	19	16	27	22	31	32
Oysters (meats)	16	19	16	15	18	22	18	18	15	17	17
Shrimp	206	195	230	166	170	210	266	246	207	206	266
Great Lakes:											
Catch	66	56	72	78	62	67	85	68	49	44	39
Value	7	6	8	11	9	11	9	10	11	14	12
Superior											
Catch	14	9	5	6	5	6	5	5	(NA)	(NA)	(NA)
Value	1	1	1	2	2	2	2	2	(NA)	(NA)	(NA)
Michigan											
Catch	24	27	53	60	45	48	48	51	(NA)	(NA)	(NA)
Value	2	2	4	6	4	5	2	4	(NA)	(NA)	(NA)
Huron											
Catch	6	5	2	2	2	2	2	2	(NA)	(NA)	(NA)
Value	1	1	(2)	(2)	1	1	1	1	(NA)	(NA)	(NA)
Erie											
Catch	21	14	10	10	8	9	10	10	(NA)	(NA)	(NA)
Value	2	1	1	2	2	3	3	3	(NA)	(NA)	(NA)
Pacific Coast:											
Catch	1,061	1,147	1,480	1,391	1,551	1,771	1,777	1,741	1,926	2,140	2,070
Value	112	148	235	361	352	536	651	821	1,008	1,025	1,063
Washington											
Catch	113	127	134	147	146	142	146	136	170	156	185
Value	16	16	30	59	61	72	81	97	115	86	96
Oregon											
Catch	49	69	98	96	66	95	113	135	129	128	135
Value	6	9	23	37	26	40	49	57	65	66	52
California											
Catch	541	456	703	685	675	917	874	722	726	604	775
Value	50	51	66	140	135	187	196	228	227	323	275
Alaska											
Catch	356	462	545	463	445	617	644	746	699	1,054	975
Value	41	70	96	145	130	239	326	439	547	580	640
Catch for certain species:											
Anchovies	5	6	163	177	329	284	232	35	117	107	127
Bonito	1	6	9	19	32	9	23	8	6	14	17
Crabs	65	161	126	174	164	222	260	301	326	347	235
Flounder	46	46	46	54	57	62	52	63	66	60	62
Halibut	51	40	34	18	21	16	16	17	21	19	27
Herring, sea	64	35	22	56	57	43	44	43	66	107	108
Jack mackerel	75	67	48	25	37	45	110	68	35	44	31
Salmon	235	327	410	201	202	310	336	404	536	614	648
Shrimp	12	20	93	141	140	166	192	154	96	96	67
Tuna	266	296	378	361	361	474	329	394	349	367	327
Mississippi River and tributaries:											
Catch	66	65	75	66	72	71	65	56	66	65	65
Value	8	6	10	14	15	14	11	13	15	21	25
Hawaii:											
Catch	11	20	11	11	9	15	15	14	14	11	13
Tuna	9	17	9	9	7	12	12	11	12	7	8
Value	3	4	4	6	6	9	9	12	11	12	16

NA Not available. Z Less than \$500,000. ¹Collected largely by State fishery agencies, and compiled by National Marine Fisheries Service. Includes, in addition to lakes shown, small amounts for Lake Ontario, Lake St. Clair, Lake of the Woods, Nemadji Lake, and Rainy Lake.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1268. FRESH AND FROZEN FISHERY PRODUCTS: 1970 to 1981

(Excludes Alaska and Hawaii, except frozen fishery products includes Alaska and Hawaii)

PRODUCT	PRODUCTION (mil. lb.)						VALUE (mil. dol.)					
	1970	1975	1976	1979	1980	1981	1970	1975	1976	1979	1980	1981
Fish fillets and steaks ¹	123.5	131.9	134.4	157.2	202.1	208.4	74.8	137.9	241.2	260.9	261.2	204.5
Cod	13.6	15.2	27.2	33.0	31.9	40.6	7.4	14.6	35.2	44.8	43.2	65.7
Flounder	46.7	41.9	46.3	47.6	48.9	53.6	26.7	53.1	63.5	67.9	67.4	101.6
Haddock	6.9	8.2	17.4	19.3	17.2	17.4	6.9	12.3	26.2	33.3	29.0	32.2
Ocean perch, Atlantic	16.0	8.4	9.2	6.6	7.1	5.4	4.9	5.7	9.9	10.0	9.3	7.5
Whiting	.8	1	.9	.5	.6	.2	.3	1	.5	.4	.5	.2
Other	47.6	58.1	63.5	78.0	97.0	91.0	26.6	52.1	68.0	84.5	91.8	97.3
Frozen fishery products	368.3	296.7	306.2	266.9	228.2	226.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹ Fresh and frozen.

No. 1269. CANNED FISHERY PRODUCTS—PRODUCTION AND VALUE: 1970 to 1981

(See also *Historical Statistics, Colonial Times to 1970*, series L 336-367 (production data in cases) and L 358)

PRODUCT	PRODUCTION (mil. lb.)							VALUE (mil. dol.)						
	1970	1975	1977, prel.	1978, prel.	1979, prel.	1980, prel.	1981, prel.	1970	1975	1977, prel.	1978, prel.	1979, prel.	1980, prel.	1981, prel.
Total ¹	1,346	1,386	1,436	1,616	1,441	1,519	1,604	742	1,071	1,576	1,913	1,752	1,960	2,160
Tuna	436	529	548	705	620	602	639	361	653	907	1,273	1,104	1,144	1,262
Salmon	183	76	151	164	150	202	218	136	115	243	249	275	404	416
Clam products	65	76	73	69	73	65	66	26	42	65	60	61	75	76
Jack mackerel ²	8	10	31	32	26	36	46	2	3	12	10	6	12	11
Sardines, Maine	16	26	23	26	30	20	36	11	25	27	36	45	32	55
Shrimp	25	12	26	17	10	17	71	37	26	71	49	40	13	60
Crabs	5	3	5	5	5	5	4	10	10	19	22	24	23	19
Squid	9	8	7	6	4	4	6	1	2	2	2	1	1	2
Oysters	2	2	1	1	1	6	5	2	4	3	1	1	5	6

¹ Includes other products, not shown separately.² Includes a small amount of Pacific mackerel.

No. 1270. PROCESSED FISHERY PRODUCTS—SUMMARY: 1970 TO 1981

(Includes Puerto Rico and American Samoa. See *Historical Statistics, Colonial Times to 1970*, series L 362-365, for meal, scrap, and oil. 1975-81 preliminary)

PRODUCT	PRODUCTION (mil. lb. ¹)						VALUE (mil. dol.)					
	1970	1975	1976	1979	1980	1981	1970	1975	1976	1979	1980	1981
Total	(X)	(X)	(X)	(X)	(X)	(X)	1,727	2,656	4,467	4,479	4,466	4,906
Packaged fresh and frozen	1,166	1,113	1,344	1,326	1,163	(NA)	600	1,309	2,183	2,352	2,110	2,372
Fish not breaded:												
Fillets and steaks, raw	134	132	164	187	202	208	75	136	241	261	261	305
Dressed	32	55	51	35	40	(NA)	9	43	61	45	56	(NA)
Other ²	10	26	50	51	43	(NA)	4	22	59	41	36	(NA)
Fish breaded, raw or cooked:												
Sticks	116	91	94	96	88	92	56	62	67	100	89	99
Fillets, portions, and steaks	296	266	377	382	326	(NA)	137	211	406	428	366	(NA)
Shellfish: Not breaded	328	315	369	364	326	(NA)	343	534	914	1,009	885	(NA)
Breaded, raw and cooked	119	128	143	129	113	(NA)	129	220	325	348	321	(NA)
Specialties, fish and shellfish	123	80	76	73	46	(NA)	45	79	90	122	92	(NA)
Canned products ³	1,346	1,386	1,616	1,441	1,519	1,604	742	1,072	1,813	1,752	1,960	2,160
Fish and shellfish	805	602	1,076	961	1,013	1,082	633	920	1,748	1,602	1,604	1,966
Animal food	540	563	539	480	507	522	105	148	165	150	146	213
Cured fish ⁴	71	66	46	41	46	(NA)	77	102	118	112	126	136
Salted (incl. spiced, pickled) ⁵	39	30	20	16	23	(NA)	30	44	36	32	35	(NA)
Smoked	31	24	23	21	22	(NA)	43	56	76	77	86	(NA)
Dried (cod) kippers ⁶	1	1	2	2	1	(NA)	4	2	6	3	4	(NA)
Industrial products	(X)	(X)	(X)	(X)	(X)	(X)	166	173	251	262	272	230
Meal and scrap (mil. tons)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	46	65	121	131	134	119
Oil (body and liver)	206	246	266	266	313	184	18	33	61	54	58	33
Fish solubles (mil. tons)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	5	9	22	15	14	15
Other	(X)	(X)	(X)	(X)	(X)	(X)	38	67	47	62	66	53

NA Not available. X Not applicable. Z Less than 500,000 tons. ¹ Except as indicated. ² Excludes Alaska.³ Includes bait and unbreaded portions. ⁴ Includes salmon eggs for bait. ⁵ Includes sun-dried and freeze-dried.⁶ In 1970 and 1975 dried cod was included in salted.Source of tables 1268-1270: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

NO. 1271. FISHERY PRODUCTS—IMPORTS AND EXPORTS: 1960 TO 1981

[Includes Puerto Rico; imports also include landings of tuna by foreign vessels in American Samoa. See also *Historical Statistics, Colonial Times to 1970*, series L 227-236]

YEAR	IMPORTS				EXPORTS			
	Total value (mil. dol.)	Edible products		Non-edible, value (mil. dol.)	Total value (mil. dol.)	Edible products		Non-edible, value (mil. dol.)
		Quantity (mil. lb.)	Value (mil. dol.)			Quantity (mil. lb.)	Value (mil. dol.)	
1960.....	363	1,065	311	53	44	61	25	19
1965.....	601	1,369	479	121	70	96	46	20
1970.....	1,037	1,573	813	225	118	140	94	24
1973.....	1,583	2,416	1,366	165	299	239	242	57
1974.....	1,711	2,257	1,495	215	262	178	195	67
1975.....	1,837	1,813	1,367	270	305	218	267	37
1976.....	2,332	2,228	1,917	415	365	241	330	55
1977.....	2,623	2,177	2,079	544	520	331	473	47
1978.....	3,077	2,411	2,253	823	905	446	832	74
1979.....	3,811	2,366	2,666	1,143	1,082	554	1,020	62
1980.....	3,848	2,145	2,666	962	1,006	574	904	102
1981, prel.....	4,173	2,272	3,033	1,140	1,157	669	1,073	64

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual. Compiled from U.S. Bureau of the Census data.

NO. 1272. SELECTED FISHERY PRODUCTS—IMPORTS AND EXPORTS: 1970 TO 1981

[Includes Puerto Rico. See *Historical Statistics, Colonial Times to 1970*, series L 312-318, for selected imports]

PRODUCT	QUANTITY (mil. lb.)						VALUE (mil. dol.)					
	1970	1975	1976	1978	1980	1981, prel.	1970	1975	1976	1978	1980	1981, prel.
IMPORTS												
Edible:												
Fresh or frozen:												
Whitfish ¹	8.4	6.4	11.4	7.6	6.2	7.5	4.9	5.6	6.6	7.4	6.0	7.2
Halibut ²	18.2	6.0	7.0	4.1	8.3	6.3	6.1	6.0	10.8	7.4	6.3	10.1
Salmon ¹	7.4	6.2	6.6	5.0	5.5	6.5	6.7	11.5	13.6	11.4	13.9	15.9
Sea herring.....	103.9	99.2	72.0	40.1	22.0	14.3	1.9	5.1	5.5	1.9	3.6	3.0
Smelt.....	6.5	6.6	10.4	12.6	11.3	12.6	1.6	3.2	4.4	6.0	4.8	6.5
Tuna.....	442.6	476.6	606.2	753.6	722.7	721.3	100.5	121.2	327.2	321.6	429.3	476.6
Groundfish filets, blocks ²	458.6	513.6	639.4	661.1	567.1	601.3	134.6	276.4	565.4	622.3	545.8	420.7
Other filets and steaks.....	136.1	167.6	180.6	174.6	146.2	157.0	63.6	117.3	178.7	185.4	158.4	194.2
Scallops (meats).....	16.8	16.7	26.4	25.2	20.9	26.2	19.7	37.2	72.6	64.9	62.0	112.7
Lobster, American and spiny.....	54.9	56.1	56.2	60.7	60.5	55.6	93.6	166.6	256.3	296.5	270.6	306.7
Shrimp and prawn.....	214.6	201.5	195.5	220.2	215.1	216.4	186.6	346.2	416.4	705.0	711.2	715.0
Canned:												
Anchovies, in oil.....	5.5	3.6	4.8	3.6	4.5	4.3	6.3	5.6	9.6	7.4	13.2	13.5
Salmon.....	2.4	3.3	.9	4	.2	1	1.6	3.9	7	.8	.4	.1
Sardines, in oil.....	34.1	16.5	24.2	22.6	16.2	18.2	16.6	16.3	25.5	27.7	24.2	25.1
Sardines, herring, not in oil.....	25.3	24.9	32.1	34.0	36.5	43.2	6.3	15.9	22.6	25.6	26.4	35.6
Tuna.....	72.3	51.7	61.6	53.7	66.6	70.9	44.3	46.0	63.6	65.1	97.3	110.4
Bonito and yellowtail.....	1.2	1	.4	4	.8	.9	.5	.1	.4	.3	.8	.8
Crab meat.....	2.6	1.4	4.1	5.1	5.0	5.0	5.3	2.6	9.5	12.3	12.5	13.2
Oysters.....	15.0	12.4	23.5	19.1	17.0	20.4	6.1	6.4	24.6	18.3	20.3	24.0
Lobster, American and spiny.....	2.5	2.1	2.4	1.9	2.2	3.1	6.0	10.9	15.7	11.7	12.5	20.4
Pickled or salted:												
Cod, haddock, hake, pollock, cusk.....	41.2	33.6	37.6	39.7	33.0	45.3	13.6	26.6	36.3	43.3	36.0	66.2
Herring.....	30.6	20.6	25.0	17.2	16.7	20.1	5.4	6.6	13.6	9.4	10.4	11.5
Nonedible scrap and meal												
	602.0	236.7	67.9	179.3	96.0	116.9	37.7	26.6	12.6	26.6	16.5	20.5
EXPORTS												
Canned salmon.....	16.6	22.5	32.5	50.7	74.0	63.5	13.1	34.6	49.2	91.9	150.0	126.6
Canned sardines.....	1.5	2.2	1.6	1.6	1.6	1.7	7	1.8	1.5	1.2	1.4	1.7
Fish oil, nonedible.....	166.6	161.6	222.0	196.5	264.0	236.3	15.7	27.6	42.3	36.6	52.4	42.6

¹Excludes filets. ²Includes cod, cusk, haddock, hake, pollock, Atlantic ocean perch, and whiting.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual. Compiled from U.S. Bureau of the Census data.

NO. 1268. FRESH AND FROZEN FISHERY PRODUCTS: 1970 to 1981

[Excludes Alaska and Hawaii, except frozen fishery products includes Alaska and Hawaii]

PRODUCT	PRODUCTION (mil. lb.)						VALUE (mil. dol.)					
	1970	1975	1978	1979	1980	1981	1970	1975	1978	1979	1980	1981
Fish fillets and steaks ¹	133.5	131.9	144.4	157.2	202.1	208.4	74.8	137.9	241.3	280.9	281.2	304.8
Cod	13.6	15.2	27.2	33.0	31.3	40.6	7.4	14.8	35.2	44.6	43.2	65.7
Flounder	46.7	41.9	48.3	47.8	48.9	53.9	28.7	53.1	63.5	67.9	67.4	101.8
Haddock	6.9	8.2	17.4	19.3	17.2	17.4	6.9	12.3	26.2	33.3	29.0	32.2
Ocean perch, Atlantic	16.0	8.4	9.2	8.6	7.1	5.4	4.9	5.7	9.9	10.0	9.3	7.5
Whiting	.8	1	.8	.5	.6	.2	.3	1	.5	.4	.5	.2
Other	47.6	56.1	83.5	78.0	97.0	91.0	26.6	52.1	56.0	54.5	91.8	97.3
Frozen fishery products	308.8		308.2	268.8	228.2	238.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹ Fresh and frozen.

NO. 1269. CANNED FISHERY PRODUCTS—PRODUCTION AND VALUE: 1970 to 1981

[See also *Historical Statistics, Colonial Times to 1970*, series L 336-357 (production data in cases) and L 358]

PRODUCT	PRODUCTION (mil. lb.)							VALUE (mil. dol.)						
	1970	1975	1977, prel.	1978, prel.	1979, prel.	1980, prel.	1981, prel.	1970	1975	1977, prel.	1978, prel.	1979, prel.	1980, prel.	1981, prel.
Total ¹	1,346	1,308	1,436	1,515	1,441	1,519	1,604	742	1,071	1,575	1,913	1,752	1,960	2,168
Tuna	438	529	548	705	620	602	639	381	659	907	1,273	1,104	1,144	1,282
Salmon	183	78	151	184	150	202	218	139	115	243	249	275	404	416
Clean products	65	78	73	89	73	85	86	26	42	65	60	61	75	
Jack mackerel ²	8	10	31	32	26	38	46	2	3	12	10	8	12	11
Sardines, Maine	19	26	23	26	30	20	38	11	25	27	36	45	32	56
Shrimp	25	12	25	17	10	17	71	37	28	71	49	40	13	60
Crabs	5	3	5	5	5	5	4	10	10	19	22	24	23	19
Squid	9	8	7	8	4	4	8	1	2	2	2	1	1	2
Oysters	2	2	1	1	1	6	5	2	4	3	1	1	5	6

¹ Includes other products, not shown separately. ² Includes a small amount of Pacific mackerel.

NO. 1270. PROCESSED FISHERY PRODUCTS—SUMMARY: 1970 to 1981

[Includes Puerto Rico and American Samoa. See *Historical Statistics, Colonial Times to 1970*, series L 362-365, for meal, scrap, and oil. 1978-81 preliminary]

PRODUCT	PRODUCTION (mil. lb.) ¹						VALUE (mil. dol.)					
	1970	1975	1978	1979	1980	1981	1970	1975	1978	1979	1980	1981
Total	(X)	(X)	(X)	(X)	(X)	(X)	1,727	2,856	4,467	4,479	4,456	4,986
Packaged fresh and frozen	1,188	1,113	1,344	1,336	1,183	(NA)	800	1,300	2,163	2,362	2,110	2,372
Fish not breaded:												
Fillets and steaks, raw	134	132	184	187	202	208	76	138	241	251	251	306
Dressed	32	55	51	35	40	(NA)	9	43	61	45	56	(NA)
Other ²	10	28	50	51	43	(NA)	4	22	59	41	36	(NA)
Fish breaded, raw or cooked:												
Sticks	116	61	94	96	66	92	58	82	87	100	69	99
Fillets, portions, and steaks	296	286	377	392	326	(NA)	137	211	406	428	396	(NA)
Shellfish: Not breaded	328	315	368	364	325	(NA)	343	534	914	1,009	685	(NA)
Breaded, raw and cooked	119	126	143	129	113	(NA)	129	220	325	348	321	(NA)
Specialties, fish and shellfish	123	80	76	73	46	(NA)	45	79	90	122	82	(NA)
Canned products ³	1,348	1,308	1,516	1,441	1,519	1,604	742	1,072	1,813	1,752	1,960	2,168
Fish and shellfish	805	802	1,076	961	1,013	1,082	633	920	1,748	1,602	1,804	1,966
Animal food	540	503	539	480	507	522	105	148	165	150	146	213
Cured fish ⁴	71	58	45	41	46	(NA)	77	102	118	112	126	136
Salted (incl. spiced, pickled) ⁵	39	30	20	18	23	(NA)	30	44	36	32	25	(NA)
Smoked	31	24	23	21	22	(NA)	43	56	78	77	66	(NA)
Dried (cod) lutelet ⁶	1	1	2	2	1	(NA)	4	2	6	3	4	(NA)
Industrial products	(X)	(X)	(X)	(X)	(X)	(X)	108	173	251	282	272	239
Meal and scrap (mil. tons)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	46	66	121	131	134	119
Oil (body and liver)	206	246	296	268	313	184	18	33	61	54	58	33
Fish solubles (mil. tons)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	5	9	22	15	14	15
Other	(X)	(X)	(X)	(X)	(X)	(X)	38	67	47	62	66	53

NA Not available. X Not applicable. Z Less than 500,000 tons. ¹ Except as indicated. ² Excludes Alaska.³ Includes bait and unbreaded portions. ⁴ Includes salmon eggs for bait. ⁵ Includes sun-dried and freeze-dried.⁶ In 1970 and 1975 dried cod was included in salted.Source of tables 1268-1270: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

NO. 1271. FISHERY PRODUCTS—IMPORTS AND EXPORTS: 1960 TO 1981

[Includes Puerto Rico; imports also include landings of tuna by foreign vessels in American Samoa. See also *Historical Statistics, Colonial Times to 1970*, series L 227-235]

YEAR	IMPORTS				EXPORTS			
	Total value (mil. dol.)	Edible products		Non-edible value (mil. dol.)	Total value (mil. dol.)	Edible products		Non-edible value (mil. dol.)
		Quantity (mil. lb.)	Value (mil. dol.)			Quantity (mil. lb.)	Value (mil. dol.)	
1960.....	363	1,095	311	53	44	61	26	19
1965.....	601	1,398	479	121	70	96	48	20
1970.....	1,037	1,873	813	225	118	140	84	24
1973.....	1,583	2,418	1,396	188	298	239	242	57
1974.....	1,711	2,397	1,495	215	282	178	195	67
1975.....	1,637	1,813	1,367	270	305	216	267	37
1976.....	2,332	2,228	1,817	415	385	241	330	65
1977.....	2,623	2,177	2,079	544	520	331	473	47
1978.....	3,077	2,411	2,253	623	906	448	832	74
1979.....	3,811	2,389	2,888	1,143	1,082	554	1,020	62
1980.....	3,648	2,145	2,885	962	1,008	574	904	102
1981, prel.....	4,173	2,272	3,111	1,140	1,157	699	1,073	84

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual. Compiled from U.S. Bureau of the Census data.

NO. 1272. SELECTED FISHERY PRODUCTS—IMPORTS AND EXPORTS: 1970 TO 1981

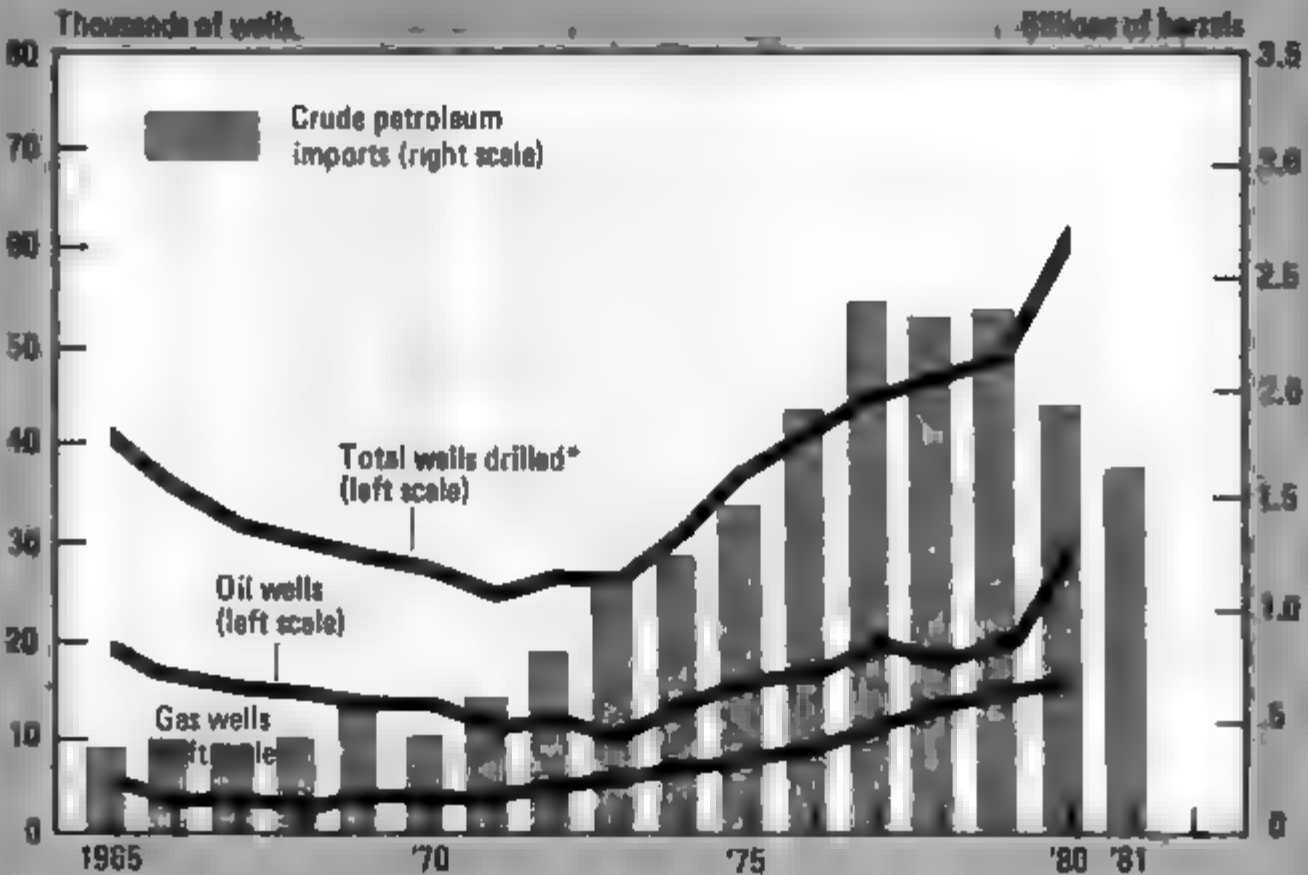
[Includes Puerto Rico. See *Historical Statistics, Colonial Times to 1970*, series L 312-318, for selected imports]

PRODUCT	QUANTITY (mil. lb.)						VALUE (mil. dol.)					
	1970	1975	1976	1979	1980	1981, prel.	1970	1975	1976	1979	1980	1981, prel.
IMPORTS												
Edible:												
Fresh or frozen:												
Whitefish ¹	8.4	8.4	11.4	7.6	8.2	7.5	4.6	5.6	8.6	7.4	8.0	7.2
Halibut ²	18.2	8.0	7.0	4.1	6.3	6.3	8.1	8.0	10.8	7.4	9.3	10.1
Salmon ²	7.4	9.2	6.8	5.0	5.5	6.5	6.7	11.5	13.6	11.4	13.9	15.9
Sea herring	103.9	98.2	72.0	40.1	22.0	14.3	1.8	5.1	5.5	1.9	3.8	3.0
Smelt	6.5	6.6	10.4	12.6	11.3	12.6	1.6	3.2	4.4	6.0	4.6	6.5
Tuna	442.6	478.6	608.2	753.6	722.7	721.9	100.5	121.2	227.2	321.6	429.3	475.6
Groundfish filets, blocks ²	458.8	513.8	639.4	681.1	557.1	601.3	134.6	275.4	565.4	622.3	545.8	420.7
Other filets and steaks	136.1	167.6	190.6	174.6	148.2	157.0	63.6	117.3	178.7	165.4	158.4	194.2
Scallops (meats)	16.6	19.7	26.4	25.2	20.9	26.2	19.7	37.2	72.8	64.9	82.0	112.7
Lobster, American and spiny	54.9	58.1	56.2	60.7	50.5	55.6	93.6	168.6	258.3	298.5	270.6	306.7
Shrimp and prawn	214.8	201.5	195.5	220.2	215.1	216.4	186.6	348.2	418.4	705.0	711.2	715.0
Canned:												
Anchovies, in oil	5.5	3.6	4.6	3.6	4.5	4.3	6.3	5.6	9.6	7.4	13.2	13.5
Salmon	2.4	3.3	.9	.4	.2	.1	1.6	3.9	.7	.8	.4	.1
Sardines, in oil	34.1	18.5	24.2	22.9	18.2	16.2	15.8	16.3	25.5	27.7	24.2	25.1
Sardines, herring, not in oil	25.3	24.9	32.1	34.0	38.5	43.2	8.3	15.9	22.9	25.8	26.4	35.8
Tuna	72.3	51.7	51.6	53.7	63.6	70.9	44.3	48.0	63.8	65.1	97.3	110.4
Bonito and yellowtail	1.2	.1	.4	.4	.8	.9	.5	.1	.4	.3	.6	.8
Crab meat	2.8	1.4	4.1	5.1	5.0	5.0	5.3	2.9	9.5	12.3	12.5	13.2
Oysters	15.0	12.4	23.5	19.1	17.0	20.4	6.1	8.4	24.6	18.3	20.3	24.0
Lobster, American and spiny	2.5	2.1	2.4	1.9	2.2	3.1	8.0	10.9	15.7	11.7	12.8	20.4
Pickled or salted:												
Cod, haddock, hake, pollock, cusk	41.2	33.6	37.6	36.7	33.0	45.3	13.6	26.6	36.3	43.3	36.0	56.2
Herring	30.8	20.6	25.0	17.2	16.7	20.1	5.4	8.6	13.6	9.4	10.4	11.5
Nonedible scrap and meal	502.0	238.7	67.9	179.2	99.0	118.9	37.7	23.6	12.8	38.6	16.6	20.5
EXPORTS												
Canned salmon	16.8	22.5	32.5	50.7	74.0	63.5	13.1	34.6	49.2	91.9	150.0	128.6
Canned sardines	1.5	2.2	1.6	1.6	1.8	1.7	.7	1.8	1.5	1.2	1.4	1.7
Fish oil, nonedible	158.5	181.8	222.0	196.5	284.0	236.3	18.7	27.8	42.3	36.6	53.4	42.8

¹ Excludes filets. ² Includes cod, cusk, haddock, hake, pollock, Atlantic ocean perch, and whiting.

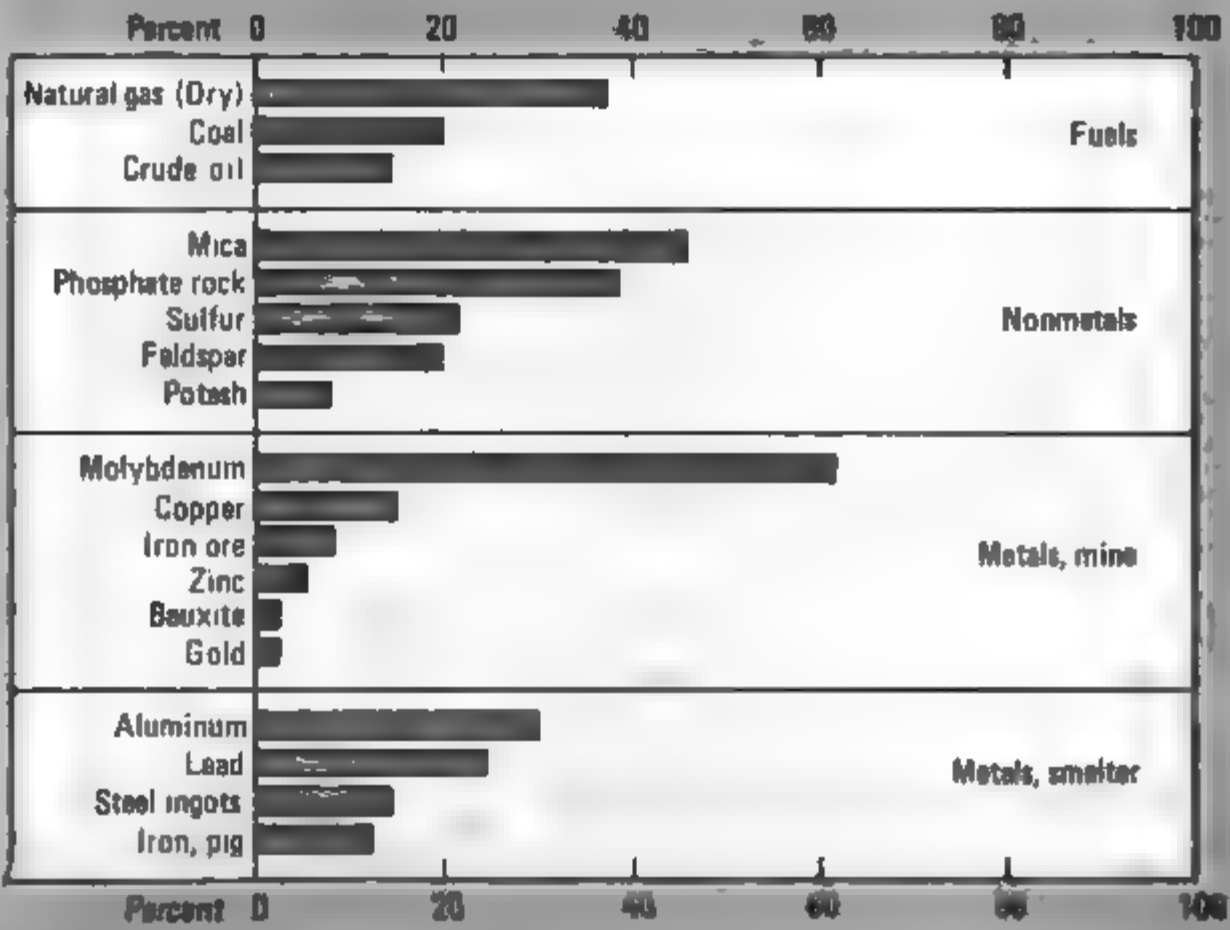
Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual. Compiled from U.S. Bureau of the Census data.

Figure 27.1
Crude Petroleum and Natural Gas—Wells Drilled and Imports of Crude Petroleum: 1965 to 1981

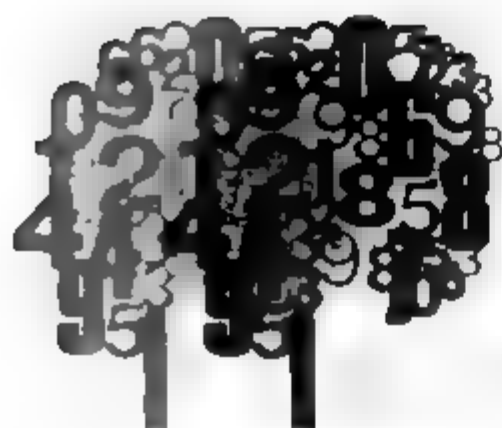


*Includes dry holes.
Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1291 and 1296.

Figure 27.2
U.S. Mineral Production As Percent of World Total: 1980



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1296.



Section 27

Mining and Mineral Products

This section presents data relating to mineral industries and their products, general summary measures of production and employment, and more detailed data on production, prices, imports and exports, consumption, and distribution for specific industries and products. Data on mining and mineral products may also be found in sections 29 and 33 of this *Abstract*; data on mining employment may be found in section 13.

"Mining" comprises the extraction of minerals occurring naturally (coal, ores, crude petroleum, natural gas) and quarrying, well operation, milling, refining and processing and other preparation customarily done at the mine or well site or as a part of extraction activity. (Mineral preparation plants are usually operated together with mines or quarries.) Exploration for minerals is included as is the development of mineral properties.

The principal governmental sources of these data are the three-volume *Minerals Yearbook*, published by the Bureau of Mines, Department of the Interior, and various monthly and annual publications of the Energy Information Administration, Department of Energy. In addition, the Bureau of the Census conducts a census of mineral industries every 5 years. Non-government sources include the *Annual Statistical Report of the American Iron and Steel Institute*, Washington, D.C.; *Metals Week* and the monthly *Engineering and Mining Journal*, issued by the McGraw-Hill Publishing Co., New York; *The Iron Age*, issued weekly by the Chilton Co., Philadelphia; and the *Joint Association Survey of the U.S. Oil and Gas Industry*, conducted by the American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association.

Mineral statistics, with principal emphasis on commodity detail, have been collected by the Geological Survey or by the Bureau of Mines since 1880. Current data in Bureau of Mines publications include quantity and value of nonfuel minerals produced, sold or used by producers, or shipped; quantity of minerals stocked; crude materials treated and prepared minerals recovered; and consumption of mineral raw materials. The U.S. Mine Safety and Health Administration also collects and publishes data on workhours, employment, and accidents and injuries in the mineral industries, except petroleum and natural gas. In October 1977, fuel data collection activities of the Bureau of Mines were transferred to the Energy Information Administration.

Censuses of mineral industries have been conducted by the Bureau of the Census at various intervals since 1840. Beginning with the 1967 census, legislation provides for a census to be conducted every fifth year for years ending in "2" and "7." The censuses provide, for the various types of mineral establishments, information on operating costs, capital expenditures, labor, equipment, and energy requirements in relation to their value of shipments and other receipts. Commodity statistics on many manufactured mineral products are also collected by the Bureau at monthly, quarterly, or annual intervals and issued in its *Current Industrial Reports* series. Included in this series, beginning in 1973, is the *Annual Survey of Oil and Gas*.

In general, figures shown in the individual commodity tables include data for outlying areas, and may therefore not agree with summary table 1285. Except for crude petroleum and refined products, the export and import figures include foreign trade passing through the customs districts of United States and Puerto Rico, but exclude shipments between U.S. territories and the customs districts.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 1273. SUMMARY OF MINERAL OPERATIONS: 1958 TO 1977

[Represents mineral operations only. Beginning 1967, excludes single unit establishments without paid employees. See also *Historical Statistics, Colonial Times to 1970*, series M 1-11]

ITEM	Unit	1958	1963	1967	1972	1977
Establishments.....	Number.....	36,362	36,651	26,579	25,269	31,269
With 20 or more employees.....	Number.....	8,045	5,499	5,082	5,312	6,632
Including all operations in manufactures.....	Number.....	37,966	40,532	29,686	26,176	31,967
Excluding oil and gas extraction.....	Number.....	19,444	19,290	13,330	11,880	13,520
Employees, total.....	1,000.....	734	616	567	595	799
Production workers ¹	1,000.....	665	462	433	443	583
All other.....	1,000.....	169	134	134	152	206
Workhours, production workers ¹	Million.....	1,081	873	692	909	1,183
Workhours per production workers.....	1,000.....	1.9	2.0	2.1	2.1	2.0
Payroll, total.....	ML. dol.....	3,749	3,743	4,187	6,226	13,167
Wages, production workers ¹	ML. dol.....	2,623	2,880	2,889	4,250	9,082
Salaries, all other employees.....	ML. dol.....	1,126	1,063	1,299	1,976	4,085
Cost of supplies, etc., and purchased machinery installed.....	ML. dol.....	7,521	6,974	10,576	14,864	46,079
Value added in mining.....	ML. dol.....	13,365	15,910	19,330	26,471	68,013
Metal mining.....	ML. dol.....	1,180	1,416	1,557	2,382	3,504
Coal mining.....	ML. dol.....	1,780	1,727	2,091	3,764	11,286
Oil and gas extraction.....	ML. dol.....	9,033	11,020	13,364	17,612	48,587
Nonmetallic minerals mining.....	ML. dol.....	1,392	1,745	2,288	2,723	4,636
Value of shipments and receipts.....	ML. dol.....	16,373	16,804	22,784	36,319	96,375
Capital expenditures.....	ML. dol.....	2,604	3,264	4,066	5,098	17,716

¹ See footnote 4, table 1278.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1972 and 1977*.

NO. 1274. NATIONAL INCOME ORIGINATING IN MINING: 1960 TO 1981

[In billions of dollars, except percent. Data are without capital consumption adjustment. For definition of national income, see text, p. 41E. See *Historical Statistics, Colonial Times to 1970*, series F 225, for single-year figures prior to revisions issued in 1981]

TYPE OF MINING	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total mining.....	5.6	6.1	8.0	10.5	10.0	11.1	20.9	22.4	24.2	30.1	37.4	44.8
Percent of total national income.....	1.3	1.1	1.0	1.0	1.4	1.5	1.5	1.4	1.3	1.5	1.7	1.9
Metal mining.....	.6	.9	1.2	1.1	1.8	1.6	1.8	1.7	2.0	2.8	3.1	3.5
Coal mining.....	1.3	1.4	2.3	2.6	5.6	5.5	6.2	6.8	7.1	8.4	9.5	9.7
Oil and gas extraction.....	2.6	2.7	3.2	3.6	4.1	6.8	10.7	11.7	12.0	15.7	21.0	28.0
Nonmetallic minerals, exc. fuels.....	.9	1.1	1.3	1.6	1.9	2.2	2.3	2.6	3.1	3.3	3.6	3.6

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-79*, and *1979-79*, and *Survey of Current Business*, July issues.

NO. 1275. MINING AND PRIMARY METAL PRODUCTION INDEXES: 1960 TO 1981

[1967 = 100. For a discussion of revisions to the industrial production measures, see Board of Governors of the Federal Reserve, *Industrial Production, 1978 Revision*. See also *Historical Statistics, Colonial Times to 1970*, series M 68-71]

INDUSTRY GROUP	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Mining.....	80.3	93.2	112.2	114.7	115.3	112.4	114.2	119.2	124.0	125.6	132.7	142.2
Coal.....	79.2	93.8	108.0	104.6	104.6	113.4	117.2	121.9	114.7	135.6	146.7	141.3
Anthracite.....	185.0	120.7	79.2	54.9	50.9	50.1	51.9	50.2	53.4	46.7	43.7	49.2
Bituminous.....	75.6	92.6	109.2	106.6	106.7	116.0	119.9	124.8	117.2	139.3	150.9	145.0
Oil and gas extraction.....	77.9	90.5	111.6	113.7	114.4	113.3	112.0	118.0	124.6	121.7	133.3	146.8
Crude oil and natural gas.....	77.5	88.4	111.6	106.4	103.6	97.9	95.4	95.7	99.1	97.3	97.9	98.2
Crude oil.....	79.9	88.7	109.3	104.4	99.7	94.9	92.2	92.3	98.9	94.6	94.9	95.1
Natural gas.....	70.5	89.2	121.3	125.9	120.7	111.0	108.6	110.9	108.6	109.2	111.1	111.8
Natural gas liquids.....	86.5	86.3	117.5	122.6	119.3	115.3	114.5	116.2	113.2	110.9	102.7	(NA)
Oil and gas drilling.....	90.2	109.1	108.3	146.5	169.3	222.8	230.1	279.3	315.2	303.8	405.8	523.4
Metal mining.....	111.5	114.8	131.9	130.2	125.6	115.6	122.8	105.5	121.0	127.0	109.2	123.1
Iron ore.....	93.6	96.5	112.1	112.6	110.4	105.4	105.4	74.3	110.0	117.1	96.6	104.4
Nonferrous ores.....	121.4	123.6	149.6	146.0	139.2	125.1	138.4	133.3	130.6	135.7	120.4	139.6
Copper ore.....	112.5	140.7	179.0	179.8	167.0	147.0	167.2	158.1	155.6	165.6	134.7	173.5
Lead and zinc ores.....	87.7	108.2	122.1	113.9	120.2	111.0	108.5	103.3	89.6	83.9	69.0	77.0
Primary metals, manufacturing.....	72.4	102.1	106.6	126.7	123.1	96.4	106.7	111.1	119.6	121.3	102.3	107.9
Nonferrous metals.....	81.8	95.0	109.9	134.5	129.0	97.5	118.5	124.1	131.9	135.6	119.8	122.4
Copper.....	122.3	151.5	162.7	160.5	139.9	123.0	136.2	128.0	135.6	145.9	113.1	135.6
Aluminum.....	61.1	84.2	121.6	138.6	150.1	118.6	129.7	138.8	147.0	153.6	156.5	151.4
Iron and steel.....	77.7	105.2	104.7	122.3	119.6	95.6	104.6	103.6	113.2	113.2	92.4	99.6
Stone and earth materials.....	74.9	86.1	106.2	119.2	121.5	107.0	116.3	124.6	131.2	137.6	132.6	129.4

NA Not available.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1276. VALUE OF MINERAL PRODUCTION, IMPORTS, AND EXPORTS: 1950 TO 1977

[In billions of dollars. Includes Puerto Rico and U.S. outlying areas. 1950 production data exclude Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series M 13-14, M 20, M 30, and M 38-53]

MINERAL ¹	1950	1965	1980	1985	1970	1972	1973	1974	1975	1976	1977
Current dollars:											
Production, total.....	11.9	15.9	18.0	21.5	29.8	32.2	36.8	55.1	62.3	69.2	73.1
Fuels ²	8.7	10.8	12.1	14.0	20.1	22.1	25.0	40.9	47.5	52.5	56.2
Metals.....	1.4	2.1	2.0	2.5	3.9	3.6	4.4	5.5	5.2	6.1	5.2
Nonmetals.....	1.8	3.1	3.9	5.0	5.8	6.5	7.4	8.7	9.6	10.6	11.7
Imports, total.....	1.9	3.0	3.5	3.6	4.8	6.3	9.8	30.1	29.4	36.7	47.2
Fuels ².....	.8	1.1	1.7	2.2	3.0	4.7	8.1	27.1	26.4	33.9	44.2
Metals.....	1.0	1.6	1.5	1.0	1.2	1.0	1.1	1.8	1.8	1.6	1.5
Nonmetals.....	.3	.3	.3	.4	.6	.6	.8	1.2	1.2	1.2	1.5
Exports, total.....	(NA)	1.7	1.9	1.4	2.1	1.9	2.3	4.2	5.5	5.1	5.4
Fuels ²	(NA)	1.1	.8	1.0	1.6	1.5	1.7	3.4	4.4	4.1	4.2
Metals.....	.2	.5	.9	.2	.3	.2	.3	.3	.4	.4	.5
Nonmetals.....	.1	.1	.1	.2	.2	.2	.3	.5	.7	.6	.7
Constant (1987) dollars:											
Production, total.....	19.4	22.8	22.9	25.6	29.7	29.8	31.7	43.4	44.7	46.6	(NA)
Fuels ²	15.8	17.1	16.8	17.9	21.1	21.1	22.4	34.3	36.7	38.0	(NA)
Metals.....	1.8	2.4	2.3	2.6	3.1	2.9	3.1	3.0	2.6	2.9	2.7
Nonmetals.....	1.8	3.3	3.8	5.1	5.5	5.8	6.2	6.1	5.4	5.7	6.0

NA Not available. ¹ Through 1985, uranium included with metals; thereafter, with fuels. ² Source: U.S. Energy Information Administration, *Annual Report to Congress*, vol. II.
Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1277. MINERAL PRODUCTION AND CONSUMPTION—ANNUAL AVERAGE VALUE IN CONSTANT (1972) DOLLARS: 1950 TO 1977

[In millions of 1972 dollars: Estimates cover over 95 percent of U.S. production and consumption]

PERIOD	PRODUCTION				CONSUMPTION			
	Total minerals ¹	Fuels	Metallic ores	Non-metallic ores	Total minerals ¹	Fuels	Metallic ores	Non-metallic ores
1950-1954.....	18,272	13,814	2,286	677	19,958	13,985	3,631	752
1955-1959.....	20,586	15,303	2,363	825	22,988	16,155	3,720	914
1960-1964.....	22,396	16,367	2,551	979	25,643	18,286	3,676	1,066
1965-1969.....	26,979	19,879	2,822	1,363	32,150	22,487	5,099	1,511
1970-1974.....	29,860	22,012	3,188	1,511	37,556	27,220	5,338	1,722
1975-1977.....	28,286	20,776	2,897	1,652	38,752	28,732	5,055	1,898

¹ Includes construction material.
Source: U.S. Bureau of the Census and U.S. Bureau of Mines: *Raw Materials in the United States Economy 1900-1977*, Technical Paper 47.

No. 1278. SELECTED MINERAL PRODUCTS—AVERAGE PRICES: 1960 TO 1981

[Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970*, series M 96, M 139, M 209, M 248, and M 262, for bituminous coal, crude petroleum, iron ore, lead, and aluminum, respectively]

YEARLY AVERAGE OR YEAR	Iron ore pellets ¹ (cents/l. ton, unit, iron)	Copper, electrolytic ² (cents per lb.)	Platinum group metals ³ (dol./ troy oz.)	Gold (dol./ fine oz.)	Silver (dol./ fine oz.)	Lead (New York) (cents per lb.)	Tin (New York) ⁴ (cents per lb.)	Zinc ⁵ (cents per lb.)	Aluminum, delivered ⁶ (cents per lb.)	Sulfur, crude ⁷ (dol./ long ton)	Bituminous coal ⁸ (dol./ short ton)	Crude petroleum ⁹ (dol./ bbl.)
1960.....	(NA)	32.5	83	35.00	.91	11.9	101.4	13.0	26.0	23.13	4.69	2.88
1965.....	25.2	35.4	100	35.00	1.29	16.0	178.2	14.5	24.5	22.47	4.44	2.86
1970.....	26.6	58.2	133	36.41	1.77	15.6	174.2	15.3	28.7	23.14	6.26	3.18
1971.....	28.0	52.0	121	41.25	1.55	13.9	167.3	16.1	29.0	17.47	7.07	3.39
1972.....	28.0	51.2	121	58.60	1.69	15.0	177.5	17.8	26.3	17.03	7.86	3.39
1973.....	29.4	59.5	150	97.81	2.56	16.3	227.6	20.7	25.3	17.84	8.53	3.89
1974.....	40.6	77.3	181	159.74	4.71	22.5	396.3	36.0	34.1	28.88	15.75	6.87
1975.....	47.2	64.2	164	161.49	4.42	21.5	339.8	39.0	39.8	45.63	19.23	7.67
1976.....	53.1	69.6	162	125.32	4.35	23.1	379.8	37.1	44.5	46.45	19.43	8.19
1977.....	55.5	66.8	162	148.31	4.62	30.7	534.6	34.4	51.6	45.09	19.82	8.57
1978.....	60.9	66.5	237	193.55	5.40	33.7	629.6	31.0	54.0	¹⁰ 45.17	21.78	9.00
1979.....	67.8	93.3	352	307.50	11.09	52.6	753.9	37.3	61.0	¹⁰ 55.75	23.65	12.64
1980.....	73.7	102.4	439	812.56	20.63	42.5	846.0	37.4	71.6	¹⁰ 89.06	24.57	21.19
1981, prel.....	80.5	85.1	475	459.64	10.52	36.5	733.1	44.6	76.0	¹⁰ 111.48	26.00	31.77

NA Not available. ¹ Lower Great Lakes ports. Price as of and of year per long ton unit of contained iron, natural, delivered rail or vessel. Lake Superior ore. ² Domestic market. ³ Average annual producer prices. ⁴ Straits tin through 1975; thereafter, composite price. ⁵ Prime western. Beginning 1971, delivered price. ⁶ 99.5 percent primary aluminum ingot. ⁷ F.O.B. works. ⁸ Average value at the point of production; includes Alaska. Source: U.S. Energy Information Administration, *Annual Report to Congress*, vol. II, and *Monthly Energy Review*. ⁹ Per metric ton.

Source: 1960-1974 compiled from *Metals Week* (copyright); *Producer Prices and Price Indexes* (U.S. Bureau of Labor Statistics); *Minerals Yearbook and Mineral Commodity Summaries* (U.S. Bureau of Mines); thereafter, except as noted, *Minerals Yearbook*

No. 1282. MINERAL INDUSTRIES—LOST WORKDAY INJURIES AND FATALITIES: 1960 TO 1980

[Excludes office workers. Lost workday injuries are nonfatal occurrences that result in days away from work, days of restricted work activity or a permanent disability. See also *Historical Statistics, Colonial Times to 1970*, series M 271-286]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
Coal mining:										
Injuries, total.....	12,227	11,397	11,812	8,678	11,262	14,530	15,128	14,871	19,156	18,822
Fatal.....	325	259	260	133	155	141	139	106	144	133
Nonfatal.....	11,902	11,138	11,552	8,545	11,107	14,389	14,989	14,765	19,012	18,689
Rate per million work-hours:										
Fatal.....	1.2	1.0	1.0	.5	.4	.4	.4	.3	.3	.3
Nonfatal.....	42	45	44	29	30	38	38	38	43	43
Fatalities per 1,000 employed ¹	1.71	1.74	1.81	.75	.71	.66	.60	.43	.58	.55
Quarrying and related industries: ²										
Injuries, total.....	4,707	3,353	3,709	2,661	2,562	2,912	3,287	4,135	4,487	3,551
Fatal.....	39	48	43	48	36	33	39	49	40	42
Nonfatal.....	4,668	3,305	3,666	2,613	2,526	2,879	3,248	4,086	4,447	3,509
Rate per million work-hours:										
Fatal.....	.2	.3	.2	.4	.3	.2	.3	.3	.2	.3
Nonfatal.....	23	17	20	19	19	19	21	25	26	21
Rate per 1,000 workers ¹ :										
Fatal.....	.4	.5	.5	.6	.5	.4	.5	.6	.4	.5
Nonfatal.....	49	37	45	33	33	35	39	49	49	40
Metal and nonmetal mining: ³										
Injuries, total.....	7,253	6,328	6,730	5,448	5,158	4,907	4,694	7,124	7,983	6,923
Fatal.....	121	92	93	71	66	56	68	62	57	46
Nonfatal.....	7,132	6,236	6,637	5,377	5,092	4,851	4,626	7,062	7,926	6,877
Rate per million work-hours:										
Fatal.....	.8	.6	.7	.3	.3	.2	.3	.3	.2	.2
Nonfatal.....	45	42	47	24	22	20	20	29	31	28
Rate per 1,000 workers: ¹										
Fatal.....	.9	.8	.8	.6	.5	.5	.5	.5	.4	.3
Nonfatal.....	50	52	60	44	40	39	37	56	59	51

¹ Average number of persons at work each day mines were active. ² Includes manufacture of cement, except for 1974-1975. ³ Beginning 1974, nonmetal mines exclude extraction of Frasch process sulfur.

Source: 1960-1970, U.S. Bureau of Mines, *Minerals Yearbook*, and unpublished data; thereafter, U.S. Mine Safety and Health Administration, Denver, Colorado, unpublished data.

No. 1283. U.S. NONFUEL MINERAL RESERVES, 1960 TO 1980, AND CUMULATIVE PRODUCTION, 1960 TO 1979

[In thousands of metric tons unless otherwise specified. Estimates of material that can be economically extracted or produced for the United States. Economic recovery is implicit in the term reserve]

MINERAL COMMODITY	RESERVES			CUMULATIVE PRODUCTION	
	1960	1970	1980	1960-1969	1970-1979
Bauxite, (gross weight).....	50,000	45,000	40,000	16,597	19,156
Cobalt, metal content in ore.....	40	25	-	5	(Z)
Copper, metal content in ore.....	30,000	77,000	92,000	11,265	14,363
Gold (million troy ounces).....	¹ 20	120	45	16	12
Gypsum, (gross weight) ²	(NA)	318,000	636,000	90,140	111,000
Iron ore, (gross weight) ³	2,400,000	10,700,000	17,300,000	840,000	813,000
Lead, metal content in ore.....	⁴ 26,000	33,000	⁵ 22,500	2,811	5,464
Manganese ore, (gross weight).....	900	(⁶)	-	237	5
Molybdenum, metal content in ore.....	1,300	2,800	4,100	348	535
Nickel, metal content in ore.....	500	180	330	120	148
Phosphate rock, (gross weight).....	5,200,000	7,900,000	1,800,000	269,823	424,937
Potash, in K ₂ O equivalents.....	360,000	420,000	300,000	26,190	23,065
Silver (million troy ounces).....	760	1,300	1,510	364	380
Sulfur, in all forms.....	150,000	305,000	175,000	81,396	108,846
Soda ash, natural and synthetic.....	270,000	(⁷)	27,000,000	56,041	69,043
Tin, metal content in ore.....	2.5	2.5	50	(D)	(D)
Tungsten, metal content in ore.....	65	65	125	35	32
Zinc, metal content in ore.....	⁸ 12,000	24,000	⁹ 22,000	4,831	4,105

- Represents zero. D Withheld to avoid disclosing proprietary information. NA Not available. Z Less than 500 ¹ 1963 estimate. ² Excludes byproduct gypsum. ³ Iron ore reserves shown are crude ore; production is marketable ore, direct-shipping ore, concentrates and agglomerates. ⁴ 1957 estimate. ⁵ 1978 estimate. ⁶ Represents negligible amount not quantified. ⁷ Represents large amount not quantified.

Source: U.S. Bureau of Mines, *Mineral Facts and Problems*.

NO. 1284. MINERAL PRODUCTION—VALUE, 1970 TO 1980, AND PRINCIPAL MINERALS IN ORDER OF VALUE, 1980, BY STATES

(In millions of dollars. Data for States will not add to total because State and U.S. totals were independently derived)

DIVISION AND STATE	1970	1975	1976	1979	1980			
					Total	Fuels	Non-fuels	Principal minerals in order of value
U.S.	20,513	50,306	51,817	105,850	143,865	118,747	25,108	Petroleum, natural gas (wet), coal
N.E.	143	181	206	293	286	-	286	(x)
Maine	24	37	43	48	37	-	37	Cement, sand and gravel, stone.
N.H.	9	17	23	23	25	-	25	Sand and gravel, stone, clays.
Vt.	26	29	46	54	51	-	43	Stone, asbestos, sand and gravel.
Mass.	50	59	80	93	91	-	91	Stone, sand and gravel, lime.
R.I.	4	6	7	8	6	-	6	Sand and gravel, stone, gem stones.
Conn.	29	33	54	66	66	-	66	Stone, sand and gravel, feldspar.
N.E.A.	1,496	3,430	3,773	4,385	4,444	5,129	1,315	(x)
N.Y.	300	398	446	497	559	61	498	Stone, cement, salt.
N.J.	66	124	129	152	149	-	149	Stone, sand and gravel, zinc.
Pa.	1,090	2,908	3,197	3,736	3,736	3,068	668	Coal, cement, stone.
E.N.C.	2,318	4,813	5,000	7,835	8,006	6,073	2,932	(x)
Ohio	612	1,356	1,791	2,147	2,390	1,828	562	Coal, petroleum, natural gas.
Ind.	259	542	793	957	1,106	817	289	Coal, petroleum, stone.
Ill.	589	1,491	1,756	2,346	2,770	2,327	443	Coal, petroleum, stone.
Mich.	671	1,292	1,906	2,306	2,587	1,102	1,485	Petroleum, iron ore, natural gas.
Wis.	-	132	159	180	152	-	152	Stone, sand and gravel, iron ore.
W.N.C.	1,982	3,403	5,046	6,656	7,284	3,601	3,684	(x)
Minn.	633	1,097	1,725	2,066	1,762	-	1,762	Iron ore, sand and gravel, stone.
Iowa	121	196	267	292	265	13	252	Cement, stone, sand and gravel.
Mo.	393	723	906	1,275	1,174	117	1,057	Lead, cement, stone.
N. Dak.	96	202	320	506	601	779	22	Petroleum, coal, natural gas.
S. Dak.	62	102	126	172	250	22	228	Gold, stone, cement.
Nebr.	73	112	152	204	273	192	81	Petroleum, cement, sand and gravel.
Kans.	584	971	1,490	2,140	2,740	2,478	262	Petroleum, natural gas, cement.
S.A.	2,406	7,191	7,351	(b)	10,627	7,073	3,554	(x)
Del.	2	2	2	3	2	-	2	Magnesium compounds, sand and gravel, clays.
Md.	88	165	222	261	293	107	186	Coal, stone, cement.
Va.	374	1,262	1,250	1,657	1,706	1,403	305	Coal, stone, cement.
W. Va.	1,295	3,390	3,064	4,246	4,860	4,754	106	Coal, natural gas, petroleum.
N.C.	98	153	295	342	379	-	379	Phosphate, stone, sand and gravel.
S.C.	56	115	183	202	195	-	195	Cement, stone, clays.
Ga.	203	333	-	(b)	771	-	771	Clays, stone, cement.
Fla.	300	1,771	1,741	1,965	2,317	608	1,509	Phosphate, petroleum, stone.
E.S.C.	1,640	4,541	5,012	7,449	8,331	7,296	1,035	(x)
Ky.	847	2,739	3,549	4,291	4,496	4,294	204	Coal, petroleum, stone.
Tenn.	220	423	586	651	688	280	408	Coal, stone, zinc.
Ala.	323	809	1,317	1,647	1,995	1,666	329	Coal, petroleum, natural gas.
Miss.	250	410	560	660	1,150	1,046	104	Petroleum, natural gas, cement.
W.S.C.	12,868	26,741	33,656	42,677	59,222	56,393	2,830	(x)
Ark.	226	436	629	709	781	494	287	Petroleum, bromine, stone.
La.	5,102	8,513	11,625	14,138	16,396	15,812	584	Petroleum, natural gas, sulfur.
Okla.	1,138	2,267	3,554	4,548	7,336	7,112	224	Petroleum, natural gas, coal.
Tex.	6,402	15,525	17,847	23,282	34,710	32,975	1,735	Petroleum, natural gas, cement.
Mt.	4,546	8,314	11,212	14,574	18,806	11,841	7,164	(x)
Mont.	313	573	723	1,044	1,331	1,051	280	Petroleum, coal, copper.
Idaho	120	234	299	436	522	-	522	Silver phosphate, lead.
Wyo.	708	1,644	2,741	3,136	5,133	4,372	761	Petroleum, coal, natural gas.
Colo.	390	956	1,450	1,824	2,544	1,279	1,265	Molybdenum, petroleum, coal.
N. Mex.	1,080	2,092	2,926	3,996	4,788	4,023	765	Natural gas, petroleum, copper.
Ariz.	1,187	1,288	1,777	2,495	2,431	5	2,426	Copper molybdenum, cement.
Utah	603	966	1,148	1,376	1,656	897	759	Petroleum, copper coal.
Nev.	166	259	248	274	400	14	386	Gold, barite, diatomite.
Pac.	2,426	3,949	7,857	(c)	20,410	17,964	2,446	(x)
Wash.	81	159	251	(c)	207	-	207	Cement, sand and gravel, stone.
Oreg.	68	106	129	165	150	-	150	Stone, sand and gravel, cement.
Calif.	1,900	3,153	4,440	6,625	10,497	8,611	1,886	Petroleum, cement, natural gas.
Alaska	338	481	2,984	5,732	9,486	9,393	113	Petroleum, natural gas, sand and gravel.
Hawaii	29	50	53	54	60	-	60	Stone, cement, sand and gravel.

- Represents zero. D Withheld to avoid disclosing individual company data. X Not applicable.

Source: U.S. Bureau of the Census. Compiled from data from U.S. Bureau of Mines and U.S. Energy Information Administration.

No. 1285. MINERAL PRODUCTION AND VALUE, 1970 TO 1980.

[Data represent production as measured by mine shipments, mine sales, or marketable, production
13-37, for

	MINERAL	PRODUCTION QUANTITY						
		Unit	1970	1975	1977	1978	1979	1980
1	Total mineral production	(x).....	(x)	(x)	(x)	(x)	(x)	(x)
2	Mineral fuels	(x).....	(x)	(x)	(x)	(x)	(x)	(x)
3	Coal: Bituminous and lignite	Mil. sh. ton.....	603	648	691	665	776	823
4	Pennsylvania anthracite.....	Mil. sh. ton.....	10	6	6	5	5	6
5	Natural gas (wet).....	Bil. cu. ft.....	21,921	20,109	20,025	19,974	20,471	20,376
6	Petroleum (crude).....	Mil. bbl. ¹	3,517	3,057	3,009	3,178	3,121	3,146
7	Uranium ²	Mil. lb.....	23.1	23.2	29.9	37.0	37.5	43.7
8	Nonmetallic minerals	(x).....	(x)	(x)	(x)	(x)	(x)	(x)
9	Abrasive stone ³	Sh. ton.....	3,055	2,953	2,200	487	2,094	2,131
10	Asbestos.....	1,000 sh. ton.....	125	99	102	103	103	86
11	Asphalt and related bitumens (native) ⁴	1,000 sh. ton.....	1,981	1,902	1,237	1,697	1,614	1,252
12	Baite.....	1,000 sh. ton.....	854	1,318	1,494	2,112	2,113	2,245
13	Boron minerals	1,000 sh. ton.....	1,041	1,172	1,469	1,554	1,590	1,545
14	Bromine	Mil. lb.....	350	407	434	447	497	382
15	Calcium chloride.....	1,000 sh. ton.....	633	594	710	773	720	581
16	Carbon dioxide, natural (estimate).....	Mil. cu. ft.....	1,110	1,070	1,617	2,015	2,028	1,628
17	Cement: Portland	Mil. sh. ton.....	73.2	66.8	76.3	80.0	79.0	71.6
18	Masonry	Mil. sh. ton.....	3.0	2.9	3.8	4.1	3.7	3.0
19	Clays	Mil. sh. ton.....	54.9	49.0	53.2	56.8	54.7	48.8
20	Diatomite	1,000 sh. ton.....	598	573	648	651	717	689
21	Emery.....	1,000 sh. ton.....	(D)	3.5	(D)	(D)	10.0	7.3
22	Feldspar.....	1,000 sh. ton.....	726	670	734	735	740	710
23	Fluorspar	1,000 sh. ton.....	269	140	169	129	109	89
24	Garnet (abrasive).....	1,000 sh. ton.....	18.8	17.2	20.0	29.7	21.2	26.9
25	Gem stones (estimate).....	(x).....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
26	Gypsum	Mil. sh. ton.....	9.4	9.8	13.4	14.9	14.6	12.4
27	Helium ⁵	Mil. cu. ft.....	4,800	1,079	1,494	1,550	1,617	1,458
28	Lime	Mil. sh. ton.....	19.7	19.1	19.9	20.4	20.9	19.0
29	Magnesium compounds ⁷	1,000 sh. ton.....	708	(D)	830	(D)	(D)	(D)
30	Mica: Scrap	1,000 sh. ton.....	119	135	176	182	134	117
31	Sheet.....	1,000 lb.....	-	5.0	(D)	(D)	-	-
32	Peat.....	1,000 sh. ton.....	526	746	726	750	798	788
33	Perlite.....	1,000 sh. ton.....	456	512	597	641	680	638
34	Phosphate rock	Mil. sh. ton.....	38.7	48.8	52.1	55.2	56.9	60.0
35	Potash ⁸	1,000 sh. ton.....	2,729	2,094	2,461	2,543	2,632	2,444
36	Pumice.....	1,000 sh. ton.....	3,036	3,892	4,009	4,757	4,411	3,755
37	Pyrites.....	1,000 lg. ton.....	(D)	625	435	766	1,032	834
38	Salt (common)	Mil. sh. ton.....	45.9	41.0	43.4	42.9	45.8	40.4
39	Sand and gravel.....	Mil. sh. ton.....	944	789	929	996	979	794
40	Sodium carbonate (natural)	1,000 sh. ton.....	2,688	4,328	6,228	6,790	(D)	(D)
41	Sodium sulfate (natural)	1,000 sh. ton.....	602	667	636	605	533	583
42	Stone ⁹	Mil. sh. ton.....	889	901	955	1,051	1,098	982
43	Sulfur: Frasch mines.....	1,000 lg. ton.....	6,504	6,077	5,935	5,645	7,388	7,283
44	Talc, soapstone, pyrophyllite.....	1,000 sh. ton.....	1,028	965	1,205	1,384	1,453	1,473
45	Tripoli.....	1,000 sh. ton.....	66	81	126	119	116	121
46	Vermiculite.....	1,000 sh. ton.....	265	330	359	337	346	337
47	Nonmetallic minerals, undistributed ¹⁰	(x).....	(x)	(x)	(x)	(x)	(x)	(x)
48	Metals.....	(x).....	(x)	(x)	(x)	(x)	(x)	(x)
49	Antimony ore and concentrate.....	Sh. ton ¹¹	1,130	886	610	(D)	722	343
50	Bauxite.....	1,000 lg. ton ¹²	2,082	1,772	1,981	1,643	1,792	1,534
51	Copper ²	1,000 sh. ton.....	1,720	1,413	1,504	1,496	1,591	1,288
52	Gold ²	1,000 fine oz.....	1,743	1,052	1,100	999	970	951
53	Iron ore, usable ¹⁴	Mil. lg. ton ¹⁵	87.2	75.7	54.1	83.2	86.1	69.6
54	Lead ²	1,000 sh. ton.....	572	621	592	584	579	606
55	Manganiferous ore ¹⁶	1,000 sh. ton ¹⁵	368	159	216	312	241	174
56	Mercury.....	76 lb. flask.....	27,298	7,366	28,244	24,163	29,519	30,657
57	Molybdenum ¹⁷	Mil. lb.....	110	105	125	131	144	149
58	Nickel ¹⁸	1,000 sh. ton.....	15.9	17.0	14.3	13.5	15.1	14.7
59	Silver ²	Mil. fine oz.....	45.0	34.9	38.2	39.4	38.1	31.3
60	Titanium concentrate: ilmenite ³	1,000 sh. ton ¹⁵	921	702	542	581	646	594
61	Tungsten ore and concentrate.....	1,000 lb. ¹⁹	9,312	5,490	6,022	6,901	6,646	6,038
62	Vanadium ²	Sh. ton.....	5,319	4,743	6,504	4,272	5,520	4,806
63	Zinc ²	1,000 sh. ton.....	534	469	450	334	295	369
64	Metals, undistributed ¹⁰	(x).....	(x)	(x)	(x)	(x)	(x)	(x)

- Represents zero. D Withheld to avoid disclosing individual company data. NA Not available. X Not applicable.
¹ 42 gal. bbl. ² Recoverable content of ores, etc. ³ Grindstones, pulpstones, millstones, grinding pebbles, sharpening stones, and tubemill liners. ⁴ Contains bituminous limestone and sandstone, and gilsonite. ⁵ Value included in "Nonmetallic minerals, undistributed." ⁶ Crude and refined. ⁷ From sea water and brines, except for metals (M₂O equiv.). ⁸ K₂O equivalent. ⁹ Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table. Includes calcareous marl and slate.

AND PRINCIPAL PRODUCING STATES, 1980

(including consumption by producers). See *Historical Statistics, Colonial Times to 1970*, series M selected values]

PRODUCTION VALUE (mil. dol.)						Principal producing States ranked by quantity, 1980	
1970	1975	1977	1978	1979	1980		
28,388.7	58,730.9	73,073.0	81,986.5	100,858.0	148,188.0	(x)	1
18,820.0	45,322.0	56,138.0	62,182.0	82,879.0	121,078.0	(x)	2
3,770.0	12,470.0	13,700.0	14,490.0	18,380.0	20,240.0	Ky., W. Va., Pa., Ill.	3
110.0	200.0	200.0	180.0	200.0	270.0	Pa.	4
3,750.0	8,950.0	15,820.0	18,060.0	24,120.0	32,670.0	Tex., La., Okla., N. Mex.	5
11,180.0	23,460.0	25,790.0	28,800.0	39,450.0	66,870.0	Tex., Alaska, La., Calif.	6
(NA)	252.0	626.0	812.0	748.0	1,228.0	N. Mex., Wyo., Tex.	7
6,781.2	9,484.0	11,702.8	13,525.8	15,440.0	16,233.0	(x)	8
8	11	3.2	1.9	2.1	2.2	Minn., Wis., Ark.	9
10.7	14.2	25.3	28.0	28.9	30.6	Calif., Vt., Ariz.	10
8.9	17.8	13.9	19.3	25.8	25.0	Tex., Utah, Ala., Mo.	11
12.6	21.2	30.3	44.0	53.8	86.0	Nev., Mo., Ark., Ga.	12
88.8	158.8	236.2	279.8	310.2	388.8	Calif.	13
80.6	113.1	99.7	100.0	114.5	92.6	Ark. and Mich.	14
15.2	29.0	45.0	53.9	51.9	47.9	Mich. and Calif.	15
2	3	4	2.6	3.2	2.8	Colo., N. Mex., Utah, Calif.	16
1,268.7	2,015.8	2,727.6	3,238.8	3,650.4	3,613.3	Tex., Calif., Pa., Mich.	17
87.5	111.8	188.1	208.8	204.8	188.5	Ga., Tex., Wyo., N.C.	18
267.9	424.8	579.2	717.3	846.1	898.9	Calif., Nev., Wash., Oreg.	19
32.8	45.8	83.9	72.4	80.3	100.6	N.Y.	20
(¹)	(¹)	(¹)	(¹)	(¹)	2	N.C., Conn., Ga., Calif.	21
9.6	11.7	17.2	18.2	21.5	23.2	Id., Nev.	22
13.9	10.9	16.6	13.3	12.2	12.6	Idaho, N.Y., Maine.	23
1.9	1.7	2.2	2.3	3.7	4.0	(NA)	24
2.4	13.9	8.9	8.9	8.2	8.9	Tex., Calif., Iowa, Mich.	25
35.1	44.7	74.3	92.7	98.9	103.1	Kans., Okla., Tex., N. Mex.	26
84.2	23.9	30.7	31.8	31.3	30.2	Ohio, Pa., Mo., Tex.	27
266.2	523.8	666.5	749.7	862.5	842.9	Mich., Calif., Fla., N.J.	28
62.4	(¹)	127.7	(¹)	(¹)	(¹)	N.C., N. Mex., S.C., Conn.	29
2.5	6.2	7.3	8.0	7.7	5.3	(x)	30
-	(2)	(¹)	(¹)	-	-	Mich., Fla., Ind., Ill.	31
6.0	12.3	12.6	13.0	15.6	16.2	N. Mex., Ariz., Calif., Idaho.	32
4.8	7.3	10.8	13.7	16.4	16.5	Fla., Idaho, N.C., Tenn.	33
203.2	1,122.2	821.7	928.8	1,046.7	1,256.9	N. Mex., Utah, Calif.	34
98.1	223.1	208.9	228.5	279.2	353.9	Oreg., Ariz., Calif., N. Mex.	35
4.7	11.2	12.0	14.6	15.6	15.5	Tenn., Colo., Ariz.	36
(¹)	4.8	7.0	12.3	17.1	13.8	La., Tex., N.Y., Ohio.	37
304.8	368.1	451.8	499.3	536.4	656.2	Calif., Tex., Alaska, Ohio.	38
1,115.7	1,340.3	2,028.0	2,302.0	2,427.0	2,302.0	Wyo. and Calif.	39
56.3	182.8	337.5	371.3	(¹)	(¹)	Calif., Tex., Utah.	40
10.9	27.7	29.3	27.9	29.7	33.4	Tex., Fla., Pa., Ill.	41
1,474.8	2,120.3	2,456.9	2,885.7	3,388.1	3,393.5	Tex. and La.	42
151.8	304.8	294.7	279.8	449.4	720.5	Tex., Vt., Mont., N.Y.	43
7.8	8.9	13.1	15.8	20.4	25.6	Ill., Okla., Ark., Pa.	44
5	6	8	8	6.3	7	Mont., S.C., Va.	45
6.5	13.8	18.6	19.7	22.0	23.5	(x)	46
34.4	157.2	56.0	222.8	740.3	841.1	(x)	47
3,778.5	4,814.8	5,233.0	6,306.5	8,540.0	8,875.0	(x)	48
(¹²)	2.1	1.3	(¹²)	(¹²)	(¹²)	Mont. and Idaho	49
30.1	25.1	28.0	23.2	24.9	22.4	Ark., Ala., Ga.	50
1,984.5	1,814.8	2,009.3	1,890.3	2,980.7	2,638.0	Ariz., Utah, N. Mex., Mont.	51
63.4	169.8	183.2	193.3	296.3	582.8	Nev., S. Dak., Utah, Ariz.	52
941.7	1,620.6	1,423.0	2,401.0	2,814.0	2,647.5	Minn., Mich., Calif., Wyo.	53
178.6	267.2	363.8	393.5	808.9	514.4	Mo., Idaho, Colo., Va.	54
(¹³)	1.4	2.2	3.1	2.9	2.4	Minn., N. Mex., S.C.	55
11.1	1.2	3.8	3.7	8.3	11.8	Nev. and Calif.	56
190.1	259.3	450.4	607.9	671.1	1,344.2	Colo., Ariz., Utah, N. Mex.	57
(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	(¹⁴)	Oreg.	58
79.7	154.4	176.3	212.7	422.4	646.6	Idaho, Ariz., Colo., Mo.	59
18.6	28.9	25.2	25.6	33.0	32.0	Fla., N.J., N.Y.	60
23.6	29.1	55.1	58.7	56.8	50.6	Calif., Colo., Nev., Utah	61
34.9	49.3	74.5	58.8	73.8	84.4	Colo., Utah, Idaho, Ark.	62
163.7	366.1	309.3	208.9	218.8	276.3	Tenn., Mo., N.Y., N.J.	63
58.4	127.5	147.6	133.8	145.0	141.5	(x)	64

¹⁰Comprises value of items that cannot be disclosed. ¹¹Antimony content. ¹²Included with "Metals, undistributed."¹³Dried equivalent. ¹⁴Represents shipments excluding byproduct iron sludge. ¹⁵Gross weight. ¹⁶5 to 35 percent Mn.¹⁷Content of concentrate. ¹⁸Content of ore and concentrate. ¹⁹Tungsten content.Source: U.S. Bureau of Mines, *Minerals Yearbook*, and beginning 1977 for mineral fuels, from U.S. Energy Information Administration, *Energy Data Reports*.

NO. 1266. PRINCIPAL FUELS, NONMETALS, AND METALS—U.S. PRODUCTION AS PERCENT OF WORLD PRODUCTION: 1965 TO 1980

MINERAL	Unit	WORLD PRODUCTION					PERCENT U.S. OF WORLD				
		1965	1970	1975	1979	1980, prel	1965	1970	1975	1979	1980, prel
Fuels: ¹											
Coal	Bil. sh. ton	3.1	3.3	3.7	4.1	4.2	17	18	18	19	20
Petroleum (crude)	Bil. bbl	11.1	16.7	19.3	22.9	21.8	26	21	18	14	14
Natural gas (dry, marketable)	Tril. cu. ft.	(NA)	37.7	44.7	52.4	52.8	66	58	43	38	37
Nonmetals:											
Asbestos	Mil. sh. ton	3.1	3.9	4.6	5.4	5.4	4	3	2	2	2
Barite	Mil. sh. ton	3.9	4.3	5.4	7.8	8.1	22	20	25	27	28
Feldspar	Mil. sh. ton	2.2	2.6	2.9	3.5	3.5	32	26	23	21	20
Fluorspar	Mil. sh. ton	3.1	4.6	5.0	5.1	5.4	8	4	3	2	2
Gypsum	Mil. sh. ton	53.0	58.9	65.3	69.2	66.3	19	17	15	16	14
Mica (incl. scrap)	1,000 sh. ton	218	180	250	272	254	66	66	54	49	46
Nitrogen, agricultural ²	Mil. sh. ton	18.5	33.4	46.7	78.9	78.7	27	25	20	20	21
Phosphate rock	Mil. sh. ton	70.3	83.6	116.6	146.5	152.5	34	41	41	39	39
Potash (K ₂ O equiv.)	Mil. sh. ton	15.1	20.0	27.4	28.3	30.5	21	14	9	9	8
Sulfur elemental	Mil. lg. ton	15.3	22.2	49.9	53.9	55.7	48	39	22	22	21
Metals, mine basis:											
Bauxite	Mil. lg. ton	36.9	56.9	74.5	86.4	87.4	4	4	2	2	2
Copper ³	Mil. sh. ton	5.5	6.6	7.7	8.5	9.4	24	26	16	19	15
Gold	Mil. troy oz	46.2	47.5	38.7	36.8	39.1	4	4	3	2	2
Iron ore	Mil. lg. ton	511	754	887	890	882	14	12	9	10	8
Lead ⁴	Mil. sh. ton	3.0	3.7	3.8	3.7	3.8	10	15	17	15	16
Mercury	1,000 flask ⁵	276	284	252	175	204	7	10	3	17	15
Molybdenum ³	Mil. lb	115	161	177	229	242	67	61	60	63	62
Nickel ³	1,000 sh. ton	468	693	668	749	821	3	2	2	2	2
Silver	Mil. troy oz	257	301	299	345	340	16	15	12	11	10
Titanium concentrates											
Amerite ⁴	Mil. sh. ton	2.7	4.0	3.2	3.9	4.0	36	23	22	16	14
Tungsten	Mil. lb	59.6	71.4	84.3	107.3	114.1	13	13	7	6	5
Uranium oxide (U ₃ O ₈) ⁶	1,000 sh. ton	21	24	27	(NA)	(NA)	49	53	43	(NA)	(NA)
Vanadium ³	1,000 sh. ton	8.1	19.9	23.2	37.3	38.3	56	26	20	15	13
Zinc ³	Mil. sh. ton	4.7	6.0	6.4	6.5	6.4	13	9	7	5	5
Metals, smelter basis:											
Aluminum	Mil. sh. ton	7.0	10.6	13.4	16.1	17.0	37	37	29	31	30
Cadmium	Mil. lb	26.1	36.5	33.9	41.6	40.0	27	28	13	10	9
Copper	Mil. sh. ton	6.1	6.8	7.7	8.9	8.8	24	24	16	17	13
Iron, pig (incl. ferroalloys)	Mil. sh. ton	369	474	529	584	583	25	19	15	15	12
Lead	Mil. sh. ton	2.9	3.6	3.6	5.9	5.7	14	18	17	26	24
Magnesium	1,000 sh. ton	178	242	258	339	350	46	46	47	48	48
Steel ingots and castings	Mil. sh. ton	507	655	713	821	787	26	20	16	17	14
Tin	1,000 m. ton ⁴	200	227	228	249	250	2	(NA)	3	2	1
Zinc	Mil. sh. ton	4.4	5.3	5.5	6.9	6.7	23	16	8	8	6

NA Not available. ¹Source: Beginning 1975, Energy Information Administration, *International Energy Annual*. See table 1262 for production by world region. ²For years ending June 30. U.S. production includes Puerto Rico. ³Content of ore and concentrate. ⁴76-lb. flasks. ⁵Excludes Soviet Union. ⁶Metric tons.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*, annual.

NO. 1267. FEDERAL STRATEGIC AND CRITICAL MATERIALS INVENTORY: 1970 TO 1981

[As of Dec. 31. Covers strategic and critical materials essential to military and industrial requirements in time of national emergency. Market values are estimated current trade values of similar materials and not necessarily amounts that would be realized at time of sale.]

MINERAL	Unit	QUANTITY ¹				VALUE (mil. dol.)			
		1970	1975	1980	1981	1970	1975	1980	1981
Tin	1,000 lg. ton	253	207	200	194	542	1,361	3,158	3,300
Silver	1,000 troy oz	165,000	139,500	139,500	137,508	297	556	2,268	1,087
Cobalt	Mil. lb	72	48	41	41	156	185	1,020	747
Bauxite ²	1,000 lg. ton	16,797	14,332	14,333	14,333	286	350	583	686
Manganese ³	1,000 sh. ton	10,001	4,274	3,495	3,495	451	522	540	541
Tungsten ⁴	Mil. lb	82	75	62	61	272	414	533	471
Zinc	1,000 sh. ton	1,120	375	376	376	347	261	313	336
Titanium	1,000 sh. ton	24	27	21	21	60	146	301	328
Platinum	1,000 troy oz	450	463	440	440	60	72	208	208
Chromium ⁵	1,000 sh. ton	780	780	783	783	392	615	747	782
Diamond, Stones	Carat	25,230	20,000	19,224	17,747	298	168	348	389
Industrial, bort	Carat	42,611	33,577	23,693	23,693	101	70	73	53

¹Consists of stockpile and nonstockpile grades and reflects uncommitted balances. ²Consists of abrasive grade, met. grade Jamaica, met. grade Surinam, and refractory. ³Consists of chemical grade, dioxide battery natural, dioxide battery synthetic, electrolytic, ferro-high carbon, ferro-med. carbon, ferro-silicon, and metal. ⁴Consists of carbide powder, ferro, metal powder, and ores and concentrates. ⁵Consists of ferro-high carbon, ferro-low carbon, ferro-silicon, and metal.

Source: U.S. General Services Administration, *Statistical Supplement, Stockpile Report to the Congress* (OP-4).

**NO. 1288. AVERAGE ANNUAL IMPORTS AND EXPORTS OF MINERALS IN CONSTANT (1972) DOLLARS:
1950 TO 1977**

(In millions of constant (1972) dollars)

ITEM	IMPORTS						EXPORTS					
	1950- 1954	1955- 1959	1960- 1964	1965- 1969	1970- 1974	1975- 1977	1950- 1954	1955- 1959	1960- 1964	1965- 1969	1970- 1974	1975- 1977
Minerals ¹	3,391	4,538	4,894	6,647	9,632	13,173	1,421	1,846	1,834	2,045	2,346	2,413
Iron and ferroalloy ores	649	918	942	1,307	1,455	1,487	206	386	484	488	585	594
Other metal ores	1,232	1,379	1,000	1,360	1,551	1,756	263	382	580	578	617	816
Fuels	1,172	1,922	2,570	3,476	6,182	9,202	857	974	617	760	825	834
Other nonmetallic	148	197	245	380	486	580	89	106	152	228	293	392

¹ Includes construction material.

Source: U.S. Bureau of the Census and U.S. Bureau of Mines: *Raw Materials in the United States Economy 1900-1977*, Technical Paper 47.

**NO. 1289. SELECTED MINERAL AND METAL PRODUCTS—QUANTITY AND VALUE OF IMPORTS AND
EXPORTS: 1970 TO 1981**

(Imports represent imports for consumption. Exports include shipments under foreign aid programs. Includes trade of Puerto Rico with foreign countries)

PRODUCT	QUANTITY						VALUE (mil. dol.)				
	Unit	1970	1975	1979	1980	1981	1970	1975	1979	1980	1981
IMPORTS											
Petroleum (crude) ¹	Mil. bbl.	535	1,581	2,375	1,975	1,751	1,200	18,200	48,058	61,898	61,458
Nonmetallic minerals:											
Abrasives:											
Diamonds (industrial)	Mil. carat.	13.4	14.3	25.3	21.8	20.4	49	53	111	111	111
Gem stones: Diamonds	Mil. carat.	4.3	4.6	4.5	4.2	4.4	425	722	1,859	2,251	2,201
Ores and concentrates:											
Bauxite (crude)	Mil. lg. ton	13.6	11.5	13.6	13.9	12.6	180	245	389	(NA)	(NA)
Chromium (Cr ₂ O ₃ content)	1,000 sh. ton	647	559	416	410	398	32	41	56	57	50
Copper	1,000 sh. ton	65	29	34	58	43	77	36	48	73	57
Iron	Mil. lg. ton	44.9	48.7	33.8	25.1	28.3	480	860	823	773	948
Tungsten	Mil. lb.	13	6.6	11.4	11.4	11.8	3	32	85	87	81
Metals:											
Aluminum	1,000 sh. ton	350	434	571	581	711	184	317	646	778	981
Cobalt	Mil. lb.	11.9	6.1	16.9	15.0	13.9	26	28	482	369	239
Copper refined in ingots, etc.	1,000 sh. ton	132	143	427	471	384	149	168	388	835	582
Gold (bullion)	Mil. troy oz.	6.4	2.3	4.4	4.1	4.2	227	407	1,401	2,507	1,943
Iron and steel products (major)	Mil. sh. ton	13.7	12.4	18.9	18.2	20.7	2,068	4,507	7,744	7,713	11,202
Platinum group ²	Mil. troy oz.	1.4	1.7	3.5	3.5	2.8	105	256	842	1,280	800
Silver (bullion)	Mil. troy oz.	29.6	61.6	78.4	64.8	75.9	53	274	641	1,332	837
Zinc: Blocks, pigs, slabs	1,000 sh. ton	280	375	578	452	676	74	274	381	319	548
EXPORTS											
Fuels: ¹											
Bituminous coal	Mil. sh. ton	71.0	85.8	50.7	89.9	110.2	955	3,242	2,783	4,523	5,808
Petroleum (crude)	Mil. bbl.	5.0	(2)	(2)	30.6	16.4	17	(2)	(2)	751	577
Nonmetallic minerals:											
Gem stones: Diamonds	Mil. carat.	(NA)	.3	1.2	1.3	3.2	(NA)	237	885	1,041	854
Nitrogen compounds (major)	Mil. sh. ton	3.4	4.7	9.2	11.1	8.4	151	680	1,171	1,842	1,398
Phosphatic fertilizers ³	Mil. sh. ton	.8	3.6	34.9	43.4	28.7	29	725	866	1,383	1,035
Metals:											
Aluminum: Ingots, slabs, crude	1,000 sh. ton	408	186	261	716	344	216	154	264	1,107	527
Plates, sheets, bars, etc.	1,000 sh. ton	136	171	248	306	284	107	229	502	718	625
Gold (refined bullion)	Mil. troy oz.	1.0	3.1	15.6	4.7	5.2	34	429	4,621	2,787	2,501
Iron and steel products (major)	Mil. sh. ton	7.6	3.9	3.2	4.5	3.3	1,375	2,970	2,580	3,504	3,414
Magnesium ⁴	1,000 sh. ton	35.7	32.6	54.3	56.8	34.9	23	48	114	128	91
Molybdenum ⁴	1,000 lb.	67 ⁺	317	1,142	814	2,641	.8	.9	10	5	10
Silver (refined bullion)	Mil. troy oz.	17.2	22.6	18.3	57.2	15.1	31	104	238	1,327	181
Scrap exports:											
Aluminum	1,000 sh. ton	57	87	307	445	241	21	29	280	483	236
Iron and steel	Mil. sh. ton	10.9	9.6	11.2	11.4	8.5	459	781	1,158	1,257	663

NA Not available. Z Less than 50,000 bbl. or \$500,000. ¹Source: U.S. Bureau of the Census, *U.S. Imports for Consumption and General Imports, TSUSA Commodity and Country*, FT 248, annual; and *U.S. Exports, Schedule B Commodity and Country*, FT 448, monthly. ²Unwrought and semimanufactured. ³Superphosphates and ammonium phosphates. ⁴Metal and alloys, scrap, semimanufactured forms. ⁵Metals and alloys, crude and scrap.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

NO. 1290. NET U.S. IMPORTS OF SELECTED MINERALS AND METALS AS PERCENT OF APPARENT CONSUMPTION, 1960 TO 1981, AND BY MAJOR FOREIGN SOURCES, 1977-1980

(In percent. Figures based on net imports which equal the difference between imports and exports plus or minus government stockpile and industry stock changes)

MINERAL	1960	1965	1970	1975	1977	1978	1979	1980	1981, prel.	Rank of major foreign sources, 1977-1980
Columbium	100	100	100	100	100	100	100	100	100	Brazil, Canada, Thailand.
Mica (sheet)	94	94	100	100	100	100	100	100	100	India, Brazil, Madagascar
Strontium	100	100	100	100	100	100	100	100	100	Mexico.
Manganese	88	94	95	96	98	97	98	98	98	South Africa, Gabon, Brazil, France.
Bauxite ¹	74	85	88	91	91	93	93	94	94	Jamaica, Australia, Guinea.
Tantalum	94	95	98	91	97	97	98	99	91	Thailand, Canada, Malaysia, Brazil.
Cobalt	88	92	98	98	97	95	94	93	91	Zaire, Belgium-Luxembourg, Zambia, Finland.
Chromium	85	92	88	91	91	91	90	91	90	South Africa, Philippines, Soviet Union, Turkey.
Platinum group	82	87	78	83	91	95	88	88	85	Rep. of South Africa, Soviet Union, United Kingdom.
Tin	82	80	81	84	82	79	80	79	80	Malaysia, Thailand, Bolivia, Indonesia.
Asbestos	84	85	83	84	85	85	83	78	80	Canada, Rep. of South Africa.
Nickel	72	73	71	72	70	80	89	73	72	Canada, Norway Botswana, Australia.
Potassium	(²)	7	42	51	83	84	86	82	68	Canada, Israel.
Zinc	46	53	84	81	57	88	83	80	87	Canada, Spain, Mexico, Honduras.
Cadmium	13	20	7	41	51	83	84	55	63	Canada, Australia, Mexico, Belgium-Luxembourg.
Tungsten	32	57	50	48	52	56	58	53	52	Canada, Bolivia, China, Thailand.
Antimony	43	36	40	49	41	43	53	48	51	South Africa, Bolivia, China, Mauritania, Mexico.
Silver	43	16	25	12	31	43	42	(³)	50	Canada, Mexico, Peru, United Kingdom.
Selenium	25	44	11	88	52	43	28	59	49	Canada, Japan, Yugoslavia.
Titanium ²	22	9	24	25	39	41	39	38	43	Australia, Canada, Rep. of South Africa.
Barium	45	46	45	32	38	27	37	41	43	Peru, China, Ireland, Morocco, Chile.
Vanadium	(³)	15	21	38	35	36	28	17	42	Rep. of South Africa, Chile, Canada.
Mercury	25	48	41	88	45	64	59	28	39	Spain, Algeria, Japan, Italy.
Gypsum	35	37	39	34	31	32	35	35	37	Canada, Mexico, Jamaica.
Petroleum ^{4,5}	17	20	22	36	47	43	43	37	34	Saudi Arabia, Nigeria, Libya, Mexico, Algeria, Venezuela.
Iron ore	18	32	30	30	48	29	25	25	28	Canada, Venezuela, Brazil, Liberia.
Iron and steel	(³)	7	4	8	15	12	12	15	14	Japan, Europe, Canada.
Gold	56	72	88	52	61	53	50	18	7	Canada, Soviet Union, Switzerland.
Sulfur	(³)	(³)	(³)	(³)	6	12	11	14	7	Canada, Mexico.
Copper	(³)	15	(³)	(³)	13	20	12	14	5	Chile, Canada, Peru, Zambia.
Natural gas ⁴	1	3	4	5	5	5	6	5	4	Canada, Algeria.
Aluminum	(³)	4	(³)	(³)	7	11	4	(³)	(³)	Canada, Ghana.

¹ Includes alumina. ² Net exports. ³ Inventa. ⁴ Includes crude and products. ⁵ Source: Beginning 1977, Energy Information Administration: *Annual Report to Congress*, vol. II.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Commodity Summaries*; import and export data from U.S. Bureau of the Census.

NO. 1291. PETROLEUM INDUSTRY—SUMMARY: 1940 TO 1981

YEAR	CRUDE OIL PRODUCING WELLS		COMPLETED WELLS DRILLED (1,000)				CRUDE OIL PRODUCTION			Imports, crude oil (mil. bbl.)	Imports refined petroleum products (mil. bbl.)	Operable refinery capacity (Jan. 1) (mil. bbl.)
	Total (1,000)	Daily output per well (bbl.)	Total	Crude oil	Gas	Dry	Total (mil. bbl.)	Value at wells (bil. dol.)	Avg. price per bbl. (dol.)			
1940	389	9.6	30	19	2	7	1,353	1.4	1.02	43	41	1,538
1945	416	11.3	27	14	3	7	1,714	2.1	1.22	74	39	1,853
1950	486	11.8	42	24	3	15	1,974	5.0	2.51	178	133	2,271
1955	524	12.2	56	30	4	20	2,484	6.9	2.77	265	170	2,945
1960	591	12.0	46	22	5	18	2,575	7.4	2.86	372	293	3,602
1965	599	13.3	39	18	4	16	2,849	8.1	2.86	452	449	3,803
1970	531	16.0	28	13	4	11	3,517	11.2	3.16	483	765	4,388
1971	517	18.1	26	12	4	10	3,454	11.7	3.39	613	819	4,694
1972	508	18.4	27	11	5	11	3,455	11.7	3.39	811	924	4,895
1973	497	18.3	27	10	6	10	3,361	13.1	3.89	1,164	1,099	4,979
1974	496	17.6	32	13	7	12	3,203	22.0	6.87	1,299	982	5,242
1975	500	16.8	37	16	8	13	3,067	23.4	7.87	1,498	712	5,481
1976	489	16.3	40	17	9	14	2,978	24.4	8.19	1,935	741	5,577
1977	507	16.4	45	19	11	15	3,010	25.6	8.57	2,414	800	5,885
1978	517	17.0	47	18	13	15	3,178	28.6	9.00	2,320	739	6,239
1979	531	16.3	60	19	15	18	3,121	39.8	12.84	2,380	707	6,388
1980	548	15.9	81	27	16	18	3,146	65.7	21.19	1,826	602	6,594
1981, prel.	(NA)	(NA)	79	38	18	23	3,125	97.0	31.03	1,826	675	6,599

NA Not available.

Source: 1940-1945, American Petroleum Institute, Washington, D.C., *Petroleum Facts and Figures*, biennial; beginning 1950, U.S. Energy Information Administration, *Annual Report to Congress*, and *Monthly Energy Review*.

No. 1292. CRUDE OIL, NATURAL GAS, AND COAL—WORLD PRODUCTION, BY REGION: 1960 TO 1980

FUEL AND REGION	PRODUCTION										PERCENT DISTRIBUTION		
	1960	1970	1973	1974	1975	1976	1977	1978	1979	1980, prel.	1960	1970	1980
CRUDE OIL (mil. bbl.)													
World..	7,874	18,711	20,348	20,407	19,327	20,963	21,825	21,980	22,886	21,700	100.0	100.0	100.0
United States	2,575	3,517	3,361	3,203	3,057	2,968	3,009	3,178	3,121	3,138	33.6	21.0	14.5
Other W. Hemisphere	1,555	2,377	2,531	2,375	2,090	2,076	2,135	2,217	2,488	2,558	20.3	14.2	11.8
Western Europe	99	118	184	185	218	334	518	683	860	882	1.3	7	4.1
Africa	105	2,207	2,164	1,979	1,827	2,141	2,294	2,197	2,422	2,201	1.4	13.2	10.1
Middle East	1,923	5,086	7,689	7,956	7,126	8,050	8,123	7,702	7,889	8,719	25.1	30.5	31.0
Far East and Oceania	1,417	3,393	1,207	1,300	1,352	1,534	1,701	1,780	1,833	1,778	18.5	20.3	8.2
Eastern Europe and U.S.S.R. ¹	1,417	3,393	3,232	3,430	3,658	3,848	4,045	4,223	4,311	4,418	18.5	20.3	20.4
NATURAL GAS ² (bil. cu. ft.)													
World ..	18.92	37.88	43.15	44.12	44.26	48.28	48.13	49.94	52.36	52.77	100.0	100.0	100.0
United States ..	12.77	21.92	21.73	20.71	19.24	19.10	19.16	19.12	19.66	19.35	75.5	58.2	38.7
Other W. Hemisphere	1.30	3.55	3.88	3.91	3.94	4.00	4.24	4.64	4.72	5.25	7.7	9.4	9.9
Western Europe .....	.43	2.75	5.15	5.84	6.07	6.40	6.50	6.48	7.17	6.84	2.6	7.3	12.6
Africa .....	.01	.12	.32	.34	.37	.54	.50	.74	.78	.78	(2)	.3	1.5
Middle East .....	.06	.46	1.18	1.34	1.42	1.50	1.72	2.00	1.44	1.17	3	1.2	2.2
Far East and Oceania	2.35	8.86	.84	1.12	1.28	1.48	1.76	1.86	2.14	2.26	13.9	23.5	4.3
Eastern Europe and U.S.S.R. ¹	2.35	8.86	9.85	10.86	11.95	13.27	14.25	15.10	16.47	17.32	13.9	23.5	32.8
COAL (mil. sh. ton)													
World ..	2,889	3,317	3,447	3,811	3,673	3,773	3,841	3,922	4,119	4,185	100.0	100.0	100.0
United States ..	434	613	589	610	655	685	697	670	781	835	15.0	18.6	20.1
Other W. Hemisphere	21	28	36	36	43	44	49	52	54	57	7	.8	1.4
Western Europe	618	500	508	488	509	518	506	509	529	541	21.3	15.1	13.0
Africa	48	66	75	79	82	91	100	108	120	132	1.7	2.0	3.2
Middle East, Far East and Oceania	1,778	2,111	800	842	890	921	942	1,026	1,063	1,046	61.3	63.6	25.0
Eastern Europe and U.S.S.R. ¹	1,778	2,111	1,431	1,454	1,494	1,513	1,548	1,560	1,571	1,550	61.3	63.6	37.3

² Less than .05 percent. ¹ 1960 and 1970, include Cuba. ³ Marketed production, wet, through 1970; thereafter dry.

Source: 1960-1970, U.S. Dept. of Interior, *Energy Perspectives 2*, June 1976, and unpublished data; thereafter, U.S. Energy Information Administration, *International Energy Annual*, September 1981.

No. 1293. FUEL CONSUMPTION, BY TYPE OF USE: 1960 TO 1981

FUEL AND USE	Unit	CONSUMPTION								PERCENT USE			
		1960	1965	1970	1974	1975	1976	1980	1981 ¹	1960	1970	1980	1981 ¹
Petroleum²													
Fuel use ³	Mil. bbl.	3,886	4,202	5,384	5,858	6,878	6,757	8,242	5,840	100	100	100	100
Nonfuel use ³	Mil. bbl.	(NA)	3,802	4,737	5,299	(NA)	5,218	5,455	5,108	80	86	87	87
	Mil. bbl.	(NA)	400	578	659	(NA)	639	788	731	10	11	13	13
Residential ⁴	Mil. bbl.	843	713	706	702	754	698	622	597	18	15	10	10
Industrial	Mil. bbl.	989	1,185	1,396	1,484	1,809	1,877	1,704	1,474	28	26	27	25
Transportation	Mil. bbl.	1,882	2,183	2,832	3,253	3,704	3,645	3,492	3,416	52	53	56	58
Electrical generation	Mil. bbl.	92	121	340	519	612	538	425	353	3	6	7	6
Natural gas (dry)													
Fuel use ³	Bil. cu. ft.	11,987	16,280	21,138	19,538	19,627	20,241	19,877	19,422	100	100	100	100
Nonfuel use ³	Bil. cu. ft.	(NA)	(NA)	(NA)	19,008	(NA)	19,848	19,287	18,847	(NA)	(NA)	97	97
	Bil. cu. ft.	(NA)	(NA)	(NA)	530	(NA)	595	590	575	(NA)	(NA)	3	3
Residential ⁴	Bil. cu. ft.	4,123	5,346	7,235	7,432	7,504	7,751	7,383	7,230	35	34	37	37
Industrial ⁴	Bil. cu. ft.	4,535	5,955	7,851	8,898	8,757	8,899	7,172	6,904	39	37	36	36
Pipeline fuel	Bil. cu. ft.	347	501	722	583	530	601	635	620	3	3	3	3
Electrical generation	Bil. cu. ft.	1,725	2,321	3,932	3,158	3,168	3,481	3,682	3,843	15	19	19	19
Lease and plant fuel	Bil. cu. ft.	1,237	1,156	1,399	1,396	1,848	1,499	1,026	1,025	8	7	5	5
Coal^{5,7}													
Fuel use ³	Mil. sh. ton	393	467	518	563	625	677	709	726	100	100	100	100
Nonfuel use ³	Mil. sh. ton	5	5	6	6	3	3	3	3	1	1	(2)	(2)
Residential ⁴	Mil. sh. ton	41	26	16	9	10	8	6	6	8	3	1	1
Industrial	Mil. sh. ton	177	201	197	147	134	145	127	125	43	36	16	17
Electrical generation	Mil. sh. ton	177	245	320	406	461	527	588	596	52	61	81	82

NA Not available. ² Less than .5 percent. ¹ Preliminary. ³ Products refined and processed from crude oil, including still gas, liquefied refinery gas, and natural gas liquids. ⁴ Source, 1960 to 1979, U.S. Bureau of Mines, *United States Energy Through the Year 2000*, December 1972; and *Minerals Yearbook*. ⁵ Includes commercial. ⁶ Excludes lease and plant fuel. ⁷ Includes anthracite, bituminous, and lignite coals. ⁸ Includes transportation and miscellaneous, not shown separately.

Source: Except as noted, U.S. Energy Information Administration, *Annual Report to Congress*, vol. II.

NO. 1284. CRUDE PETROLEUM AND REFINED PRODUCTS, 1965 TO 1981

[Barrels of 42 gallons. See tables 965, 967 and 1073 for additional information. See also *Historical Statistics, Colonial Times to 1970*, series M 138-142, M 178, and M 181]

ITEM	Unit	1965	1970	1975	1976	1977	1978	1979	1980	1981 ¹
Crude petroleum:										
Domestic production	ML bbl	2,849	3,517	3,057	2,976	3,009	3,178	3,121	3,146	3,125
Value at wells	BL dol	9.1	11.2	23.4	24.4	25.8	26.6	30.5	66.7	67.0
Average price per barrel at wells	Dol	2.86	3.18	7.67	8.14	8.57	8.96	12.84	21.19	31.03
World production	ML bbl	11,058	16,719	18,475	21,192	21,776	21,989	22,776	21,757	20,334
U.S. proportion of world total	Percent	26	21	16	14	14	14	14	14	15
Imports	ML bbl	452	483	1,496	1,936	2,414	2,320	2,380	1,926	1,808
Value ²	ML dol	1,118	1,052	16,374	25,480	33,583	32,140	40,100	62,014	61,940
Exports	ML bbl	1	5	2	3	18	56	86	106	83
Value ²	ML dol	2,841	4,991	178	27	209	369	394	751	577
Stocks, Dec. 31	ML bbl	220	276	271	265	346	376	430	466	586
Proved reserves ³ Dec. 31	ML bbl	31,352	36,001	32,682	30,942	31,780	31,355	29,810	29,805	29,426
Refinery:										
Total capacity (Dec. 31) ⁴	ML bbl	3,308	4,694	5,577	5,965	6,222	6,366	6,584	6,569	6,530
Crude oil receipts at refineries	ML bbl	3,297	3,979	4,548	4,920	5,345	5,373	5,346	4,934	4,583
By pipeline: Domestic	ML bbl	2,363	2,840	2,682	2,643	2,530	2,418	2,329	2,275	2,343
Foreign	ML bbl	107	237	396	443	566	584	612	503	346
By water: Domestic	ML bbl	444	610	305	271	319	584	582	642	587
Foreign	ML bbl	344	244	1,101	1,467	1,835	1,683	1,722	1,408	1,274
By tank cars and trucks	ML bbl	39	43	80	76	94	94	106	121	108
Utilization rate ⁵	Percent	(NA)	68.6	84.2	87.0	88.1	88.9	87.6	81.0	78.2
Refined products:										
Operating refineries, Dec. 31	Number	396	279	267	261	302	311	319	315	254
Daily crude oil capacity	ML bbl	10.2	12.7	14.9	15.8	16.8	17.1	18.0	18.1	17.9
Average dealer's net price per gal. (incl. tax) of regular grade full service gasoline ⁶	Cents	31.16	35.69	57.22	59.47	63.08	65.71	65.16	117.27	(NA)
Yield of gasoline	Percent	44.0	45.3	46.5	45.5	43.4	44.1	43.0	44.5	(NA)
Imports	ML bbl	449	765	712	741	690	733	707	568	530
Value ²	ML dol	1,047	1,413	8,751	8,106	7,943	6,844	9,762	11,502	13,328
Exports	ML bbl	67	89	74	79	70	74	66	94	113
Value ²	ML dol	462	424	325	501	610	666	666	1,242	2,088
Stocks, Dec. 31	ML bbl	580	741	662	626	964	801	811	927	890

NA Not available. ¹Preliminary. ²Source: U.S. Bureau of the Census, *FT 135*, monthly, and *FT 410*, monthly. ³Source: 1965-1976 American Petroleum Institute, Washington, D.C., thereafter, U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual. ⁴Source: U.S. Energy Information Administration, *Petroleum Refineries in the United States and U.S. Territories*, annual. ⁵Crude runs as percent of domestic capacity. ⁶Data from Platt's Oilgram Price Service.

Source: Except as noted, through 1978, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Monthly Energy Review*, and *Petroleum Supply Annual*.

NO. 1295. PETROLEUM—RUNS TO STILLS AND REFINERY PRODUCTS, BY TYPE, 1965 TO 1981

[In millions of barrels, except percent. Barrels of 42 gallons, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series M 162-177]

PRODUCT	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, prel.	PERCENT		
											1970	1980	1981, prel.
Input	3,580	4,280	4,751	4,827	5,197	5,802	5,846	6,581	5,133	4,934	100.0	100.0	100.0
Crude petroleum	3,301	3,968	4,429	4,541	4,910	5,330	5,379	5,346	4,934	4,554	82.5	96.1	92.5
Domestic	2,845	3,465	3,169	3,047	2,989	2,932	3,100	3,018	3,023	(NA)	61.2	56.9	(NA)
Foreign	453	482	1,260	1,494	1,921	2,398	2,280	2,328	1,911	(NA)	11.2	37.2	(NA)
Natural gas liquids ¹	227	284	265	273	279	264	252	202	165	370	6.6	3.6	7.5
Output	3,799	4,421	4,827	4,996	5,372	5,794	5,828	5,753	5,352	5,108	100.0	100.0	100.0
Gasoline	1,693	2,100	2,336	2,393	2,503	2,586	2,630	2,506	2,368	2,348	47.5	44.6	46.0
Distillate fuel oil	765	896	974	968	1,070	1,196	1,156	1,151	974	955	20.3	18.2	16.7
Residual fuel oil	289	258	390	451	504	640	609	616	578	480	5.8	10.8	9.4
Jet fuel	181	302	305	318	236	355	354	369	366	354	6.6	6.8	6.9
Petrochemical feedstocks	56	100	135	122	164	193	223	252	254	213	2.3	4.7	4.2
Sulfur gas for fuel ²	139	164	176	175	181	191	200	205	197	206	2.7	3.7	4.0
Asphalt ³	124	147	164	144	140	154	173	189	141	124	3.3	2.6	2.4
Coke (5 bbl. = 1 sh. ton)	86	106	124	129	130	135	136	137	135	141	2.4	2.5	2.6
Liquefied refinery gases	107	117	117	109	119	122	125	121	119	112	2.6	2.2	2.2
Kerosene	93	95	57	56	56	62	56	67	50	43	2.1	0.9	0.8
Other finished products	244	134	149	131	169	180	167	156	146	130	3.0	2.8	2.5
Shortage ⁴ and other oils (net)	80	131	175	188	176	191	181	192	218	184	(X)	(X)	6.0

NA Not available. X Not applicable. ¹Includes other liquid hydrocarbon. ²1 barrel=3,000 cu. ft. ³5.5 barrels=1 sh. ton. ⁴Negative quantities.

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*, and *Monthly Petroleum Supply*.

NO. 1296. CRUDE PETROLEUM AND NATURAL GAS—WELLS DRILLED, FOOTAGE, AND DRILLING COST, BY TYPE OF WELL: 1960 TO 1980

[Includes all costs incurred for drilling and equipping wells to point of completion as productive wells or abandonment after drilling becomes unproductive. Based on sample of operators of different size drilling establishments]

ITEM AND YEAR	WELLS DRILLED		Footage drilled (mil. ft.)	DRILLING COST (mil. dol.)		Average depth per well (ft.)	AVERAGE COST PER WELL (\$1,000)		Average cost per ft. (dol.)
	Total	Offshore		Total	Offshore		Total	Offshore	
All wells: 1960	44,133	538	186.4	2,424	208	4,223	55	388	13.01
1965	39,698	1,037	178.7	2,401	428	4,513	61	413	13.44
1970	27,177	1,058	138.9	2,579	599	5,037	95	588	18.84
1975	36,980	1,028	177.6	8,571	1,174	4,806	176	1,142	36.89
1976	46,855	1,197	230.6	13,081	2,577	4,843	280	2,153	58.63
1979	46,523	1,280	237.5	16,079	3,207	4,884	331	2,545	67.70
1980	62,011	1,272	296.0	22,800	3,846	4,773	388	3,024	77.02
Oil wells: 1960	21,294	301	84.0	1,111	96	3,846	52	326	13.22
1965	18,857	487	76.5	1,067	193	4,058	57	398	13.94
1970	12,547	533	58.4	1,088	282	4,498	87	528	19.29
1975	16,276	283	66.1	2,257	338	4,008	139	602	34.15
1976	17,780	296	74.4	3,700	543	4,162	206	1,822	48.72
1979	19,243	349	80.3	4,679	883	4,170	243	1,991	56.29
1980	26,553	317	117.1	7,768	1,446	4,099	272	2,983	69.36
Gas wells: 1960	5,262	87	29.1	540	53	5,526	103	806	18.56
1965	4,772	118	26.5	486	67	5,582	102	571	18.35
1970	3,844	193	23.1	618	139	6,007	181	720	26.75
1975	7,654	271	43.4	2,005	338	5,867	262	1,247	46.23
1976	13,308	419	72.8	4,879	983	5,472	374	2,345	66.97
1979	14,079	453	77.3	6,238	1,228	5,483	443	2,710	60.86
1980	15,225	444	85.8	8,167	1,446	5,836	536	3,258	66.18
Dry holes: 1960	17,577	150	73.3	774	57	4,168	44	377	10.56
1965	15,867	432	75.7	848	167	4,739	63	367	11.21
1970	10,786	332	57.4	873	178	5,320	81	536	15.21
1975	13,030	474	68.2	2,309	584	5,234	177	1,232	33.86
1976	15,559	480	83.4	4,382	1,052	5,359	282	2,191	52.55
1979	15,201	458	79.9	5,182	1,284	5,256	340	2,806	64.80
1980	18,233	511	93.1	8,865	1,558	5,108	377	3,048	73.70

Source: American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association, *Joint Association Survey of the U.S. Oil and Gas Producing Industry*, annual.

NO. 1297. PETROLEUM INVENTORIES AT THE BEGINNING OF PEAK SEASONS: 1970 TO 1981

FUEL	Unit	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981, pref.
Petroleum, total (Sept. 30)	Mil. bbls	1,010	1,046	1,016	1,114	1,147	1,182	1,304	1,283	1,309	1,447	1,481
	Days' supply ¹	72.6	87.9	80.3	88.3	72.7	71.4	73.4	69.9	74.5	89.8	85.4
Motor gasoline (Mar. 31)	Mil. bbls	235.2	237.2	207.7	220.3	248.7	239.1	262.2	259.6	240.1	282.8	232.3
	Days' supply ¹	43.7	39.8	32.7	38.8	40.0	36.3	38.8	37.4	33.8	43.9	37.1
Distillate fuel oil (Sept. 30)	Mil. bbls	206.7	195.3	190.2	208.3	220.8	232.3	252.8	220.7	220.4	232.4	206.8
	Days' supply ¹	118.9	94.7	75.6	89.3	102.8	98.1	96.1	82.9	83.0	100.1	85.1
Residual fuel oil (Sept. 30)	Mil. bbls	53.9	63.7	65.1	80.3	78.9	76.4	87.5	81.3	87.8	87.9	80.0
	Days' supply ¹	29.0	28.9	21.1	24.2	34.4	29.8	26.9	29.0	34.8	38.0	42.0

¹Days' supply is derived by dividing inventories by previous three month average daily consumption (products supplied).

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*, and *Petroleum Supply Monthly*.

NO. 1298. OIL AND GAS LEASES AND PRODUCTION ON THE OUTER CONTINENTAL SHELF, BY STATES: 1979 TO 1981

[Barrels of 42 gallons. For years ending Sept. 30. Covers leases made in ocean waters belonging to the U.S. and subject to its jurisdiction and control under provisions of the Outer Continental Shelf Lands Act. See also table 385]

STATE	LEASES			ACRES (1,000)			OIL PRODUCTION (mil. bbl.)			GAS PRODUCTION (bil. cu. ft.)		
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
Total	2,311	2,175	2,484	10,602	10,347	11,676	290.1	311.1	258.4	4,628	4,707	4,579
Alabama	5	5	5	29	26	28	-	-	-	-	-	-
Alaska	131	113	128	735	572	678	-	-	-	-	-	-
California	148	142	160	789	761	795	11.1	10.2	14.0	3	3	6
Florida	35	35	35	202	202	202	-	-	-	-	-	-
Louisiana	1,320	1,313	1,464	6,735	6,886	5,407	274.9	286.3	236.2	4,152	4,114	4,152
Texas	397	335	439	2,117	1,777	2,211	4.1	8.0	9.2	474	590	721
Offshore Atlantic	175	232	273	906	1,321	1,554	-	-	-	-	-	-

- Represents zero.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

**No. 1299. PETROLEUM INDUSTRY—EXPENDITURES FOR NEW PLANT AND EQUIPMENT, BY FUNCTION:
1960 TO 1982**

(In billions of dollars)

EXPENDITURE FUNCTION	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982 ¹
Total	2.8	3.9	5.2	4.7	7.3	9.8	10.8	12.7	13.8	18.2	30.7	28.6	25.6
Production	1.6	2.0	2.0	2.2	3.6	4.6	5.2	6.4	7.4	8.3	11.3	14.6	17.0
Refining and petrochemicals	.5	.8	1.3	.9	2.0	2.6	3.2	3.3	3.3	4.3	4.6	6.0	6.2
Marketing	.5	.7	1.0	.6	.5	.5	.5	.6	.7	.8	.9	1.0	.9
Transportation	.2	.2	.4	.3	.4	.8	.9	.9	.8	.7	1.0	1.0	.9
Other	.1	.2	.5	.8	.9	1.1	1.0	1.4	1.9	2.1	2.8	4.0	4.1

¹ Estimates are based on planned capital expenditures reported in late January and February 1982.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, March issues.

No. 1300. CRUDE PETROLEUM AND NATURAL GAS—SALES VOLUME AND LEASE REVENUES, 1967 TO 1980, AND DRILLING EXPENDITURES AND EMPLOYMENT, 1974 TO 1980

[Figures on a gross operator basis, under which individual companies responsible for management and operation of oil and gas field leases reported on all properties operated for their own account and account of others. Lease revenues represent revenues generated from sales of either crude petroleum or natural gas, comparable to sales volume reported and including production payment, royalty, and nonoperating working interest shares]

ITEM AND YEAR	All companies, total	COMPANIES RANKED BY LEASE REVENUES					PERCENT OF TOTAL		
		Top 8	Next 8	Next 16	Top 50	Top 100	Top 8	Top 16	Top 32
Sales volume of—									
Crude petroleum (mil. bbl.): ¹ 1967	3,044	1,647	617	263	2,552	2,959	54	71	80
1972	3,378	1,818	613	317	2,852	2,977	54	72	81
1974	3,159	1,708	581	291	2,803	2,811	54	72	82
1975	3,066	1,854	563	282	2,628	2,753	54	72	81
1976	2,806	1,482	588	270	2,436	2,585	51	71	80
1977	2,996	1,498	602	306	2,531	2,679	50	70	80
1978	3,109	1,476	712	314	2,625	2,746	47	70	80
1979	2,992	1,468	634	279	2,501	2,631	50	71	80
1980	3,066	1,804	579	324	2,806	2,732	52	71	82
Natural gas (bil. cu. ft.): 1967	17,126	7,904	3,105	2,551	14,377	15,580	46	64	79
1972	21,902	10,607	3,546	2,800	18,170	19,446	48	65	77
1974	21,878	9,861	4,065	2,529	17,539	19,098	45	64	75
1975	20,455	8,896	3,864	2,391	16,207	17,861	44	62	74
1976	19,902	8,727	3,515	2,588	15,808	17,273	44	62	75
1977	19,196	8,377	3,111	2,573	15,361	16,784	44	60	73
1978	19,170	8,144	2,974	2,746	15,207	16,673	42	57	72
1979	19,814	7,361	3,031	3,753	15,666	17,135	38	53	72
1980	19,508	6,554	3,983	2,855	15,125	16,939	34	54	69
Lease revenues for—									
Crude petroleum (mil. dol.): ¹ 1967	8,800	4,699	1,475	730	7,456	7,783	56	72	81
1972	11,332	6,194	2,024	1,053	9,808	10,018	55	73	82
1974	20,838	11,205	3,708	1,812	17,495	18,345	54	71	80
1975	22,852	11,981	3,948	1,915	18,900	19,978	52	70	79
1976	22,938	11,537	4,279	2,004	18,673	19,951	50	69	79
1977	24,834	11,967	4,412	2,732	20,203	21,578	46	66	77
1978	27,003	12,609	5,370	2,968	22,081	23,314	47	67	78
1979	35,971	16,789	7,328	3,426	28,628	30,804	47	67	77
1980	61,403	29,630	11,958	6,675	50,407	53,440	48	66	79
Natural gas (mil. dol.): 1967	2,888	1,341	501	419	2,436	2,640	46	64	78
1972	4,317	2,062	687	591	3,586	3,843	48	64	77
1974	6,726	3,036	1,238	777	5,400	5,894	46	64	75
1975	6,829	3,859	1,618	1,048	7,018	7,755	43	61	73
1976	12,099	4,813	1,989	1,558	9,251	10,188	40	56	69
1977	18,241	6,662	2,397	2,341	12,723	14,036	41	56	70
1978	19,128	7,441	2,683	2,945	14,575	16,415	39	53	68
1979	24,329	8,336	3,594	4,733	18,742	20,963	34	49	69
1980	32,184	10,445	6,237	5,102	24,794	27,926	32	52	68
Drilling expenditures (mil. dol.):¹ 1974	4,907	1,338	585	529	2,711	3,388	29	42	53
1975	6,507	1,966	815	636	3,632	4,719	26	41	54
1976	6,071	2,706	958	1,036	5,475	6,184	34	45	56
1977	10,109	3,081	1,234	1,204	6,355	7,405	30	43	55
1978	12,604	3,944	1,732	1,590	8,260	9,723	31	44	56
1979	16,824	4,201	2,757	2,473	10,397	12,097	25	41	58
1980	23,010	6,726	3,537	2,366	14,498	17,624	29	45	55
Employment (1,000): 1974	125	38	18	16	75	83	30	43	56
1975	137	40	19	15	79	88	29	42	53
1976	136	43	18	15	81	90	31	44	55
1977	133	42	17	15	81	91	32	44	56
1978	144	46	19	15	88	100	32	45	58
1979	157	45	22	18	91	103	29	43	54
1980	167	49	27	19	102	115	29	45	55

¹ Includes condensate.

² Represents expenditures incurred during the year for drilling and equipping wells.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA-13K-1, *Annual Survey of Oil and Gas*.

NO. 1301. OWNERSHIP AND OPERATION OF U.S. CRUDE OIL AND NATURAL GAS RESERVES AND PRODUCTION BY OPERATOR-SIZE GROUPS: 1977 TO 1980

(In percent. The survey frame was comprised of operators only; firms and persons who were owners only, and who did not operate any properties, were not included. Approximately 90 percent of the total estimated crude oil reserves were reported on an ownership basis.)

OPERATOR GROUPS, BY SIZE OF RESERVES	CRUDE OIL RESERVES				NATURAL GAS RESERVES			
	Ownership basis		Operated basis		Ownership basis		Operated basis	
	Re-serves	Pro-duction	Re-serves	Pro-duction	Re-serves	Pro-duction	Re-serves	Pro-duction
5 Largest:								
1977	58.8	40.8	58.4	41.5	44.3	41.5	46.0	42.8
1978	57.1	46.1	60.8	47.7	42.9	37.9	44.3	39.1
1979	57.4	46.6	60.2	48.6	42.1	35.1	43.7	36.7
1980	55.8	48.3	60.1	50.8	41.0	34.1	43.0	34.7
20 Largest:								
1977	60.0	67.6	62.7	71.3	67.3	63.4	68.9	64.8
1978	79.9	70.8	83.8	74.5	64.5	62.9	67.0	64.8
1979	79.3	72.0	83.2	78.0	64.0	58.9	66.1	63.3
1980	77.5	72.7	82.8	75.7	62.3	57.3	65.3	60.4
50 Largest:								
1977	65.2	75.7	69.1	80.9	79.3	75.0	83.6	78.8
1978	85.2	78.1	80.0	83.1	77.2	74.2	82.2	78.5
1979	84.4	78.1	80.0	83.8	75.9	71.1	81.0	77.3
1980	82.5	78.1	80.3	82.7	75.0	72.5	80.5	76.0
100 Largest:								
1977	67.8	79.2	91.5	85.3	84.5	81.3	88.6	86.6
1978	87.4	81.0	82.2	87.1	82.4	80.4	88.5	85.4
1979	86.2	80.8	81.2	87.0	81.5	77.5	87.7	84.7
1980	84.3	81.8	80.5	86.0	80.5	78.8	87.2	83.5

Source: U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves*, annual.

NO. 1302. U.S. DIRECT INVESTMENT ABROAD IN MINING AND SMELTING AND IN PETROLEUM—VALUE, 1970 TO 1981, AND INCOME, 1981, BY REGION AND COUNTRY

(In millions of dollars. Minus sign (—) denotes loss. See also *Historical Statistics, Colonial Times to 1970*, series U 41-46)

REGION AND COUNTRY	DIRECT INVESTMENT POSITION (at yearend)										INCOME, 1981 ¹	
	Mining and smelting					Petroleum					Min-ing, smelt-ing	Petro-leum
	1970	1975	1979	1980	1981 ¹	1970	1975	1979	1980	1981 ¹		
All areas	5,406	6,548	5,941	6,768	7,404	19,764	25,872	39,744	47,896	52,197	613	13,188
Developed countries	3,286	4,398	4,186	4,539	4,911	11,205	20,129	30,220	34,877	37,346	588	7,131
Canada	2,574	3,053	2,854	3,051	3,380	4,337	8,220	8,648	10,800	10,705	268	899
Europe	36	41	34	35	31	5,481	11,165	17,755	20,157	22,458	-10	5,345
Japan	—	—	—	—	—	525	1,313	1,908	1,570	1,737	—	330
Australia, New Zealand, and South Africa	675	1,305	1,307	1,453	1,519	863	1,480	1,910	2,149	2,447	329	457
Developing countries	2,119	2,150	1,746	2,216	2,493	5,844	2,519	5,083	(D)	12,132	225	5,486
Latin America	1,712	1,476	1,191	1,825	1,916	2,703	3,324	3,948	4,391	4,499	190	1,052
Other Africa	340	485	443	458	431	1,750	1,336	1,730	2,247	2,732	(D)	955
Middle East ²	(Z)	5	(D)	(D)	(D)	1,286	4,888	2,086	(D)	716	—	1,022
Other Asia and Pacific	67	181	(D)	(D)	(D)	926	2,748	2,481	2,776	4,183	(D)	2,438
International	(D)	(X)	(X)	(X)	(X)	1,905	3,323	2,432	(D)	2,627	(X)	569

— Represents zero. D Withheld to avoid disclosure of individual companies. X Not applicable. Z Less than \$500,000. ¹ Preliminary. ² Includes Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Neutral Zone, Qatar, Saudi Arabia, South Yemen, Syria, Oman, United Arab Emirates, and Yemen. Data for 1970 and 1975 are based on the 1980 benchmark survey; data for 1979, 1980, and 1981 are based on the 1977 benchmark survey. See *Survey of Current Business*, August 1982.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1981, and supplement titled *Revised Data Series on U.S. Direct Investment Abroad, 1968-78*.

NO. 1303. FOREIGN DIRECT INVESTMENT IN PETROLEUM IN THE UNITED STATES: 1975 TO 1981

(In millions of dollars. Investment at yearend)

YEAR	Petro-leum invest-ment	Income from invest-ment	AREA	INVESTMENT			INCOME		
				1975	1980	1981	1975	1980	1981
1975	6,213	714	Canada	943	1,308	1,547	112	151	96
1976	5,921	603	Europe	8,010	9,708	14,822	1,708	2,875	2,886
1977	5,573	636	Japan	180	58	7	38	(D)	(D)
1978	7,782	1,239	Australia, New Zealand, and So. Africa	—2	—3	21	—	—	—
1979	9,986	2,037	Latin America	772	1,164	1,864	178	(D)	(D)
1980	12,383	3,487	Middle East	1	1	6	(D)	(D)	(D)
1981	17,813	3,407	Africa, ¹ Asia, and Pacific	23	48	45	(D)	(D)	(D)

— Represents zero. D Withheld to avoid disclosing figures for individual companies. Z Less than \$500,000.

¹ Excludes South Africa.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August issues.

NO. 1304. CRUDE PETROLEUM AND NATURAL GAS—PRODUCTION, BY STATES: 1966 TO 1981

[See *Historical Statistics, Colonial Times to 1970*, series M 136 and M 142 for petroleum production, and series M 147-161 for natural gas production]

STATE	PETROLEUM PRODUCTION (mil. bbl.)							NATURAL GAS MARKETING PRODUCTION ¹ (Bil. cu. ft.)						
	1966-1970, avg.	1971-1975, avg.	1976-1980, avg.	1975	1976	1980	1981, prel.	1966-1970, avg.	1971-1975, avg.	1976-1980, avg.	1975	1976	1980	1981, prel.
Total	3,292	3,308	3,085	3,057	3,121	3,146	3,128	19,464	21,878	20,161	20,109	20,471	20,379	20,194
Ala.	8	11	19	13	19	22	21	(2)	18	75	38	86	106	120
Alaska	53	73	357	70	511	592	587	41	134	202	180	221	231	243
Ark.	21	17	19	18	19	18	18	148	147	108	118	109	112	95
Calif.	365	337	348	322	352	357	365	683	447	307	318	248	310	388
Colo.	30	34	35	36	32	30	30	120	136	188	172	191	191	183
Fla.	2	27	47	42	47	43	35	(2)	27	48	44	50	46	39
Ill.	54	32	24	26	22	23	24	6	1	1	1	2	2	2
Ind.	9	6	5	5	5	5	5	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Kans.	94	86	86	59	57	60	66	886	880	800	844	796	735	640
Ky.	14	9	6	8	8	8	7	83	86	63	61	60	57	57
La.	804	809	633	651	490	489	449	6,446	7,826	7,181	7,091	7,266	6,940	6,773
Mich.	13	18	33	24	35	34	33	37	55	143	102	180	158	157
Miss.	60	56	40	47	37	36	34	138	95	118	74	144	165	208
Mont.	40	34	31	33	30	30	31	32	44	49	41	54	52	51
Nebr.	13	8	6	6	6	6	7	6	3	3	3	3	3	3
N. Mex.	127	106	82	95	80	75	72	1,101	1,213	1,188	1,217	1,181	1,150	1,128
N. Dak.	24	21	28	20	31	40	45	39	30	30	25	16	42	54
Ohio.	11	8	11	10	12	13	14	46	86	113	85	123	139	139
Ola.	225	190	152	163	144	160	164	1,455	1,701	1,800	1,805	1,835	1,892	2,019
Texas	1,142	1,261	1,061	1,222	1,018	977	945	7,570	8,276	7,044	7,486	7,175	7,252	7,010
Utah	24	33	31	42	28	25	26	51	46	65	55	59	66	83
W. Va.	3	3	2	2	2	2	3	227	203	153	154	151	157	161
Wyo.	146	141	133	136	132	126	131	275	351	368	316	414	410	549
Other	9	6	7	6	6	6	7	95	69	114	100	122	121	107

NA Not available. Z Less than 500 million cubic feet. ¹ Including nonhydrocarbon gases.Source: Through 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Energy Data Reports, Natural Gas Production and Consumption*, annual, and *Crude Petroleum, Petroleum Products, and Natural Gas Liquids*, annual, *Natural Gas Monthly Report*, unpublished data, and *Monthly Petroleum Statement*.

NO. 1305. NATURAL GAS—SUPPLY, PRODUCTION, CONSUMPTION, RESERVES, AND MARKETING PRODUCTION: 1965 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series M 147-161]

ITEM	Unit	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Producing wells (year-end)	1,000	112	117	124	126	132	138	146	157	170	182	(94)
Production value at wells ¹	Bil. dol.	2.5	3.8	4.9	6.8	9.0	11.6	15.6	18.1	24.1	32.7	42.0
Avg. per 1,000 cu. ft.	Cents	15.6	17.1	21.8	30.4	44.5	58.0	79.0	90.5	117.8	188.3	206.3
Proved reserves ²	Tril. cu. ft.	288	291	250	237	228	216	207	208	201	199	202
Total supply ³	Bil. cu. ft.	17,466	24,206	25,313	24,200	22,821	22,837	22,786	23,067	23,772	23,398	23,183
Marketed production ⁴	Bil. cu. ft.	18,040	21,921	22,847	21,801	20,109	19,952	20,025	19,974	20,471	20,379	20,388
Grown from storage	Bil. cu. ft.	980	1,459	1,533	1,701	1,780	1,921	1,750	2,158	2,047	1,972	1,907
Imports ⁵	Bil. cu. ft.	456	821	1,033	959	953	984	1,011	986	1,253	985	877
Consumption, total	Bil. cu. ft.	15,280	21,139	22,049	21,223	19,538	19,646	19,521	19,627	20,241	19,877	19,421
Residential	Bil. cu. ft.	3,903	4,837	4,879	4,786	4,824	5,051	4,821	4,903	4,965	4,752	4,607
Commercial ⁶	Bil. cu. ft.	1,444	2,399	2,597	2,556	2,508	2,668	2,501	2,801	2,786	2,611	2,623
Industrial	Bil. cu. ft.	7,112	8,249	8,571	8,769	8,365	8,586	8,474	8,405	8,366	8,188	7,839
Lease and plant fuel	Bil. cu. ft.	1,188	1,399	1,498	1,477	1,398	1,634	1,658	1,648	1,489	1,029	1,025
Other industrial	Bil. cu. ft.	5,955	7,851	6,689	8,292	6,966	6,984	6,815	6,757	6,890	7,172	6,804
Electric utilities	Bil. cu. ft.	2,321	3,932	3,880	3,443	3,158	3,081	3,181	3,181	3,491	3,882	3,643
Transportation ⁷	Bil. cu. ft.	501	722	728	869	563	548	533	530	601	636	628
Exports	Bil. cu. ft.	26	70	77	77	73	65	66	63	56	49	50
Stored	Bil. cu. ft.	1,078	1,857	1,874	1,784	2,104	1,756	2,307	2,278	2,295	1,949	2,168
Adjustments	Bil. cu. ft.	319	228	198	269	235	216	41	287	372	684	736
World production (dry)	Tril. cu. ft.	24.54	37.54	43.15	44.12	44.26	44.26	44.26	44.26	44.26	44.26	(94)
Percent U.S. of world	Percent	65.4	58.4	50.4	48.9	43.5	41.3	39.6	38.3	37.5	36.7	(94)

NA Not available. ¹ Net marketed production comprises gas sold or consumed by producers, including loss due to natural gas liquids recovery, losses in transmission, amounts added to storage, and increases in gas in pipelines. ² Estimated, end of year. Source: American Gas Association, Arlington, Va. (Copyright) 1965-1978; thereafter U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual. ³ Excludes in transit receipts and deliveries at U.S. borders, beginning 1980, includes supplemental gas supplies not listed. ⁴ Beginning 1970, includes imports of liquefied natural gas. ⁵ Beginning 1970, includes deliveries to municipalities and public authorities for institutional heating and other purposes. ⁶ Pipeline fuel. ⁷ Source: U.S. Dept. of the Interior, *Energy Perspectives 2*, June, 1978.

Source: Except as noted, U.S. Energy Information Administration, *Annual Report to Congress, Vol. II and International Energy Annual*, September 1981.

No. 1306. NATURAL GAS PLANT LIQUIDS—PRODUCTION AND VALUE: 1960 TO 1980

(Barrels of 42 gallons. 1960 excludes Alaska. See also *Historical Statistics, Colonial Times to 1970*, series M 143-146)

ITEM	Unit	1960	1965	1970	1975	1974	1976	1978	1977	1979	1978	1980
Total produced.....	ML. bbl.	346	442	606	634	616	596	687	580	■	678	676
Natural gasoline and mixtures.....	ML. bbl.	107	130	165	181	148	124	129	133	126	106	106
Liquefied petroleum gases (incl. ethane).....	ML. bbl.	201	288	400	447	448	444	437	443	432	444	441
Unfractionated stream (net) and other.....	ML. bbl.	32	44	41	26	20	18	17	14	14	28	27
All light products:												
Average value.....	Dol. per bbl.	2.36	2.06	2.10	2.83	5.01	4.85	5.58	6.85	7.65	(NA)	(NA)
Average yield.....	Gal. per 1,000 cu ft.	1.46	1.35	1.37	1.35	1.38	1.42	1.39	1.41	1.41	1.47	1.63
Natural gas processed.....	Trl. cu ft.	10	14	16	20	19	18	18	16	17	16	15

NA Not available.

Source: Through 1978, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Energy Data Reports, Petroleum Statement Annual*.

No. 1307. COAL AND COKE—SUMMARY: 1960 TO 1981

(Includes coal consumed at mines. Demonstrated coal reserve base for United States on Jan. 1, 1980, was 473 billion tons. Recoverability varies between 40 and 80 percent for individual deposits; 60 percent or more of overall U.S. coal reserve base is believed to be recoverable. See also *Historical Statistics, Colonial Times to 1970*, series M 98-128)

ITEM	Unit	1960	1965	1970	■	1976	1977	1978	1979	1980	1981 ¹
COAL²											
Total production.....	ML. sh. tons	434	527	613	655	686	697	670	781	830	820
Value.....	ML. dol.	2,096	2,396	3,678	12,671	13,369	13,806	14,664	16,552	20,452	21,320
World production.....	ML. sh. tons	2,699	3,079	3,295	3,673	3,772	3,841	3,922	4,119	4,155	(NA)
Bituminous coal and lignite:											
Number of mines.....	Number	7,665	7,228	5,801	6,168	6,161	6,077	6,229	6,150	6,200	6,200
Production.....	ML. sh. tons	416	512	603	648	679	691	686	776	824	815
Value, total.....	ML. dol.	1,950	2,278	3,773	12,472	13,189	13,706	14,486	16,369	20,196	21,183
Average per ton.....	Dollars	4.69	4.44	6.26	19.23	19.43	19.82	21.78	23.65	24.52	■
Method of mining:											
Underground.....	ML. sh. tons	285	339	338	292	295	286	242	320	337	320
Surface.....	ML. sh. tons	131	178	264	356	384	426	423	■	487	495
Percent of total production.....	Percent	31.4	35.1	43.8	54.8	56.6	61.5	63.8	58.7	59.0	61.0
Exports.....	ML. sh. tons	37	50	71	66	59	54	■	■	90	110
Value.....	ML. dol.	332	465	951	3,233	2,886	2,626	2,004	3,328	4,523	5,806
Imports.....	1,000 sh. tons	260	184	96	940	1,203	1,647	2,863	2,069	1,194	1,043
Value ³	ML. dol.	2	2	(2)	22	18	39	75	51	30	29
Consumption ⁴	ML. sh. tons	380	459	516	556	599	620	621	677	■	725
Electric power utilities.....	ML. sh. tons	174	243	319	404	447	478	480	528	568	596
Industrial.....	ML. sh. tons	173	197	184	146	145	138	133	144	126	125
Average employment ⁵	1,000	169	134	140	190	202	221	242	224	225	225
Average days worked.....	Number	181	219	228	232	232	210	186	206	■	182
Average tons per worker:											
Per day.....	Tons	12.83	17.52	18.84	14.74	14.46	14.84	14.68	15.33	16.32	16.96
Per year.....	Tons	2,453	3,829	4,296	3,420	3,355	3,235	2,952	3,158	3,427	3,080
Production, by State:											
Alabama.....	ML. sh. tons	13.0	14.8	20.6	22.8	21.5	21.5	20.6	23.9	26.4	24.9
Illinois.....	ML. sh. tons	48.0	56.5	65.1	58.5	58.2	53.5	48.6	59.5	62.5	51.7
Indiana.....	ML. sh. tons	15.5	15.8	22.3	25.1	25.4	27.8	24.2	27.5	30.9	29.4
Kentucky.....	ML. sh. tons	66.8	85.8	125.3	143.6	144.0	146.3	135.7	149.8	150.1	149.1
Ohio.....	ML. sh. tons	34.0	39.4	55.4	48.8	46.6	47.9	41.2	43.5	36.4	37.4
Pennsylvania.....	ML. sh. tons	65.4	60.3	80.5	84.1	85.8	84.8	81.5	89.2	87.1	80.8
Virginia.....	ML. sh. tons	27.8	34.1	35.0	35.5	40.0	37.6	31.9	37.0	41.0	45.5
West Virginia.....	ML. sh. tons	118.9	149.2	144.1	109.3	108.8	95.4	85.3	112.4	121.6	112.8
Wyoming.....	ML. sh. tons	2.0	3.3	7.2	23.8	30.8	46.0	58.3	71.8	94.9	102.7
Other States.....	ML. sh. tons	26.0	31.3	47.4	68.1	117.6	130.7	137.8	161.7	169.7	180.4
COKE											
Production ⁶	ML. sh. tons	57.2	66.9	66.5	57.2	58.3	53.5	49.0	52.9	48.1	42.6
Over coke ⁷	ML. sh. tons	56.2	65.2	65.7	56.5	57.7	53.1	49.0	52.9	46.1	42.8
Value of product at plant.....	ML. dol.	1,382	1,429	2,193	5,281	5,941	■	6,567	6,662	6,029	(NA)
Coke and breeze.....	ML. dol.	1,075	1,118	1,699	4,807	5,021	4,683	5,635	5,459	4,784	(NA)
Avg. market value per ton.....	Dollars	18.31	18.84	27.71	84.34	86.07	84.56	97.06	97.58	102.73	(NA)
Coal charged.....	ML. sh. tons	61.4	65.3	66.5	63.8	64.7	77.7	71.4	77.4	66.7	61.0
Average value per ton.....	Dollars	9.82	9.40	12.47	44.21	44.16	46.26	52.1	50.7	56.26	62.70
Yield of coke from coal.....	Percent	70.3	70.4	69.1	68.4	68.9	68.6	68.6	68.4	69.2	70.1

NA Not available. Z Less than 9500,000. ¹Preliminary. ²Relates to mines having an output of 1,000 tons a year or more. Includes bituminous coal, lignite, and anthracite. ³Bituminous coal and lignite only. ⁴Includes some categories not shown separately. ⁵Average number of persons working daily. ⁶Includes beehive coke. ⁷Prior to 1978, excludes screenings or breeze; thereafter, includes beehive and other nonrecoverable coke-oven operations.

Source: 1960 to 1976, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Energy Data Reports, Weekly Coal Production and Coke Plant Report*.

No. 1308. CEMENT, SAND AND GRAVEL, STONE, AND GYPSUM: 1960 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series M 188-189 (for related data), M 190 (gypsum mined), M 193 and M 194 (for total quantity)]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Cement production ¹	Mill. sh. ton.	62.6	73.1	76.1	82.9	86.7	74.5	80.1	85.5	85.9	76.7	72.8
Portland	Percent	95.5	95.5	96.1	95.9	95.8	95.6	95.3	95.2	95.6	95.9	96.2
Shipments ²	Mill. sh. ton.	61.5	73.6	76.4	82.9	70.7	75.2	81.6	88.0	87.2	77.7	73.9
Portland	Mill. sh. ton.	58.7	70.3	73.4	79.5	67.8	71.9	77.9	83.8	83.4	74.7	70.2
Value	Mill. dol.	1,104	1,245	1,566	2,221	2,220	2,576	3,000	3,623	4,061	3,780	3,886
Average per ton	Dollar	17.85	16.91	17.88	26.79	31.41	34.24	36.78	41.17	46.57	50.89	52.20
Imports	Mill. sh. ton.	.8	1.0	2.5	5.7	3.6	3.1	4.0	6.6	9.4	5.3	4.9
Value	Mill. dol.	10	14	34	102	71	67	94	191	302	196	151
Exports	1,000 sh. ton.	36	141	123	199	417	343	239	55	149	166	300
World production (est.)	Mill. sh. ton.	849	478	630	776	774	834	879	940	959	975	989
Sand and gravel:												
Sold or used by producers	Mill. sh. ton.	710	908	944	905	789	885	829	906	879	793	735
Value	Mill. dol.	720	967	1,116	1,421	1,340	1,774	2,029	2,302	2,427	2,289	2,290
Average per ton	Dollars	1.01	1.05	1.18	1.57	1.79	2.00	2.18	2.31	2.47	2.89	3.08
Stone sold or used by producers	Mill. sh. ton.	617	780	886	1,044	991	892	956	1,051	1,086	896	674
Limestone	Mill. sh. ton.	451	555	626	752	665	663	707	786	812	723	646
Granite	Mill. sh. ton.	43	80	87	119	95	94	109	122	123	119	102
Basalt and related rock	Mill. sh. ton.	58	76	77	97	78	75	77	84	101	81	71
Other	Mill. sh. ton.	65	89	79	76	63	70	62	59	62	62	55
Value	Mill. dol.	653	1,204	1,470	2,166	2,120	2,221	2,457	2,686	3,399	3,405	3,277
Crude gypsum: ³												
Active establishments ⁴	Number	98	113	106	116	110	117	115	116	113	114	113
Apparent supply	Mill. sh. ton.	15.1	15.9	15.5	19.3	15.1	17.9	20.3	23.1	22.3	19.7	18.9
Mined	Mill. sh. ton.	9.8	10.0	9.4	12.0	9.8	12.0	13.4	14.9	14.6	12.4	11.5
Imports for consumption	Mill. sh. ton.	5.3	5.9	6.1	7.4	5.4	6.2	7.1	8.3	7.8	7.4	7.8
Exports	1,000 sh. ton.	17	28	41	132	75	284	143	132	91	86	157
Calcined gypsum produced	Mill. sh. ton.	6.6	9.3	8.4	11.6	8.2	11.0	12.6	14.8	14.5	11.8	11.7
	Mill. dol.	121	133	132	206	186	237	278	367	442	270	243
Gypsum products sold, value ⁵	Mill. dol.	361	430	353	623	514	656	911	1,248	1,392	1,242	1,796
Building uses, value	Mill. dol.	339	391	323	570	466	598	843	1,171	1,312	1,149	1,699

¹ Includes Puerto Rico; excludes Alaska except for imports and exports. ² Includes natural, slag, and hydraulic lime plants, not shown separately, except 1970 excludes slag cement. ³ Excludes byproduct gypsum. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. ⁴ Each mine, plant, or combination mine and plant is counted as 1 establishment. ⁵ Made from domestic, imported, and byproduct gypsum.

No. 1309. LIME—QUANTITY SOLD OR USED BY PRODUCERS: 1960 TO 1981

[Excludes Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series M 191-192]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981, prel.
Active plants	Number	157	212	194	171	183	161	155	154	163	161
Quantity sold	1,000 sh. ton.	12,936	16,794	16,747	18,139	26,229	19,847	20,443	20,845	19,918	18,886
Value	Mill. dol.	173	233	286	524	609	666	750	862	843	864
Per ton	Dollars	13.35	13.87	14.49	27.38	30.11	33.41	36.67	41.18	44.34	45.86

No. 1310. PHOSPHATE ROCK—SUMMARY: 1960 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series M 203-204]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Mine production	Mill. ton.	60.9	84.3	125.5	156.8	167.5	170.1	184.0	191.2	204.8	231.4	202.5
P ₂ O ₅ content	Mill. ton.	9.3	14.3	16.6	20.8	23.5	20.1	22.4	23.5	25.4	26.2	26.2
Marketable production	Mill. ton.	19.6	29.5	38.7	45.7	48.6	49.2	52.1	55.2	56.9	60.0	58.1
P ₂ O ₅ content	Mill. ton.	6.1	9.1	12.0	14.1	15.0	15.1	16.1	16.9	17.5	18.4	18.0
Value	Mill. dol.	117	193	203	501	1,122	949	822	929	1,046	1,257	1,438
Per ton	Dollars	5.97	6.55	5.25	10.96	22.99	19.28	15.77	16.84	18.38	20.95	24.33
Imports ¹	Mill. sh. ton.	.14	.15	.14	.18	.04	.05	.17	1.00	■	.54	.01
Value	Mill. dol.	3.8	3.0	3.8	9.0	1.6	2.2	6.1	24.4	21.6	12.9	.4
Per ton	Dollars	26.07	20.14	27.87	49.45	43.83	43.59	35.02	24.38	22.04	23.98	30.00
Exports	Mill. sh. ton.	4.5	7.3	11.7	13.9	12.3	10.4	14.6	14.2	15.8	15.7	11.5
P ₂ O ₅ content	Mill. sh. ton.	1.4	2.3	3.6	4.5	4.0	3.3	4.7	4.5	5.1	5.0	3.6
Value	Mill. dol.	28.6	51.1	60.0	194.0	429.2	272.5	286.6	297.4	358.5	431.4	373.2
Per ton	Dollars	5.95	6.98	5.11	13.96	34.98	26.29	19.79	20.94	22.56	27.41	32.67
Consumption, apparent ²	Mill. sh. ton.	14.9	21.8	27.2	34.7	34.2	34.3	37.5	40.6	43.6	45.0	38.7
World production	Mill. sh. ton.	46.1	70.3	93.6	120.0	116.6	118.0	131.5	141.6	148.5	152.6	152.0

¹ For consumption; P₂O₅ content not available.

² Amount sold or used plus imports minus exports.

Source of tables 1308-1310: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1311. POTASH—SUMMARY: 1960 TO 1981

(In thousands of short tons, except values. See also *Historical Statistics, Colonial Times to 1970*, series M 201–202)

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Production of potassium salts (marketable).....	4,472	5,401	4,853	4,576	4,427	4,675	4,769	4,708	4,756	4,578
Approximate equivalent K_2O	2,638	3,140	2,729	2,801	2,400	2,457	2,483	2,453	2,468	2,377
Value ¹ (mil. dol.).....	89.7	129.8	98.1	223.1	210.8	208.9	228.5	279.2	(NA)	(NA)
Sales of potassium salts by producers.....	4,412	5,027	4,703	3,819	4,612	4,675	4,804	5,014	4,701	4,045
Approximate equivalent K_2O	2,602	2,931	2,689	2,094	2,500	2,480	2,543	2,832	2,444	2,103
Value at plant (mil. dol.).....	88.4	121.2	92.4	187.9	210.8	206.9	228.5	279.2	363.9	326.9
Per ton (dollars).....	20.04	24.10	19.64	48.18	45.70	44.22	47.15	55.68	75.26	81.31
Imports for consumption of potash materials.....	415	1,867	4,403	6,271	7,578	8,366	8,666	9,375	8,031	8,712
Approximate equivalent K_2O	228	1,108	2,805	3,797	4,594	5,078	5,189	5,893	5,481	5,287
Value (mil. dol.).....	15.4	62.7	94.7	267.2	344.0	373.8	398.2	520.8	848.0	750.4
Exports of potash materials.....	833	1,099	988	1,419	1,670	1,680	1,577	1,233	1,748	978
Approximate equivalent K_2O	491	848	544	779	945	832	892	700	929	541
Value (mil. dol.).....	25.9	42.5	28.5	92.7	91.9	90.2	88.6	79.5	179.8	107.9
Apparent consumption of potassium salts ²	3,994	5,795	8,140	8,671	10,517	11,405	11,782	13,158	11,987	11,779
Approximate equivalent K_2O	2,337	3,391	4,730	5,112	6,149	6,804	6,840	7,828	8,999	8,849
World production (marketable), approximate equivalent K_2O	10,000	15,100	20,013	27,299	29,765	27,838	28,785	28,304	30,504	30,156

NA Not available. ¹Derived from reported value of amount sold or used. ²Amount sold or used plus imports minus exports.

No. 1312. SULFUR—SUMMARY: 1960 TO 1981

(In thousands of long tons, except values. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 195–199)

ITEM	1965	1966	1970	1974	1975	1976	1977	1978	1979	1980	1981
Production, sulfur, all forms ¹	8,881	8,212	9,667	11,419	11,298	10,797	10,558	10,988	11,818	11,679	11,863
Sulfur from Frasch mines.....	5,037	6,116	7,082	7,901	7,211	6,264	5,822	5,559	6,257	6,269	6,248
Recovered elemental sulfur.....	787	1,215	1,457	2,632	2,989	3,138	3,567	3,996	4,008	4,009	4,192
Pyrites, sulfur content only.....	416	354	339	162	237	286	186	296	394	317	302
Gross weight of total pyrites.....	1,016	875	845	424	625	750	435	788	1,033	881	784
Byproduct sulfuric ²	345	386	537	854	767	942	945	1,086	1,148	987	1,141
Shipments, Frasch mines.....	5,130	7,251	6,504	7,898	6,077	5,860	5,835	5,845	7,368	7,283	5,817
Approximate value (mil. dol.).....	118	165	154	241	306	300	295	280	448	721	716
Avg. value per long ton (dol.).....	23.08	22.71	23.65	30.52	50.16	51.19	49.68	49.60	60.83	98.93	123.03
Imports for consumption:											
Crude sulfur.....	741	1,486	1,837	2,150	1,897	1,727	1,977	2,143	2,455	2,483	2,482
Pyrites, sulfur content ³	146	180	130	-	-	-	-	-	-	-	-
Exports, sulfur.....	1,787	2,636	1,433	2,883	1,352	1,270	1,176	852	2,012	1,754	1,370

- Represents zero. ¹Includes other byproduct sulfur compounds, not shown separately. ²Represents sulfur content. Produced at copper, lead, and zinc plants. ³Estimate.Source of tables 1311 and 1312: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1313. LEAD—SUMMARY: 1960 TO 1981

(In thousands of short tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports and as noted. See also *Historical Statistics, Colonial Times to 1970*, series M 242–248)

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, pref.
Smelter production of refined primary lead.....	382	418	867	673	436	653	605	423	634	605	546
Domestic ores and base bullion ¹	229	305	526	580	530	588	538	553	584	560	485
Foreign ores and base bullion.....	154	113	139	93	106	84	68	70	50	43	61
Recovery of secondary lead.....	470	576	697	998	658	727	835	846	883	745	707
Imports, general:											
Lead in pigs and bars.....	206	223	244	116	101	148	281	244	211	60	112
Lead in ores and matte.....	146	123	112	94	88	78	73	58	44	46	85
Exports of refined pig lead ²	2	6	6	62	21	6	10	6	12	181	26
Consumption of metal, primary and secondary.....	1,021	1,241	1,361	1,596	1,297	1,490	1,582	1,679	1,497	1,180	1,287
Average price, common lead:											
New York (cents per lb.).....	11.95	16.00	15.89	22.53	21.53	23.10	30.70	33.85	52.64	42.48	36.53
London (cents per lb.).....	9.04	14.37	13.78	28.83	18.73	20.46	28.00	29.86	54.52	41.21	33.30
Mine production of recoverable lead ³	247	301	572	684	621	810	692	584	579	607	491
Value ³ (mil. dol.).....	58	94	179	299	267	282	364	394	610	515	359
World smelter production, est.	2,860	2,911	3,826	3,829	3,633	3,568	3,516	3,554	3,897	3,533	3,482
World smelter capacity.....	(NA)	(NA)	(NA)	5,235	(NA)	5,190	5,255	5,230	5,241	(NA)	(NA)

NA Not available. ¹Excludes lead content of antimonial lead. ²Pigs, bars, and anodes. ³Includes Alaska.Source: U.S. Bureau of Mines, *Minerals Yearbook*, and *Mineral Facts and Problems*.

No. 1314. IRON ORE—SUMMARY: 1960 TO 1981

(In millions of long tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 205-211)

ITEM	1960	1965	1970	1971	1975	1976	1977	1978	1979	1980	1981
Number of mines	247	183	74	66	67	66	54	51	49	37	32
Production ²	88.8	87.4	88.8	84.4	78.9	80.0	86.8	81.8	86.7	88.8	72.2
Lake Superior	71.8	66.4	68.6	70.7	66.7	67.4	44.0	72.7	77.2	62.3	67.5
Northeastern	4.1	5.2	3.5	2.4	1.9	2.4	2.0	8.9	8.8	7.3	5.7
Western	4.6	13.1	14.3	10.5	9.6	10.1	8.8				
Hematite ³	88.1	47.0	33.6	24.1	19.2	19.3	11.5	15.9	13.9	11.9	10.6
Magnetite ³	18.2	36.9	53.8	58.6	58.4	59.3	43.1	64.8	71.0	57.8	62.6
Other	2.4	3.5	2.4	1.5	1.2	1.4	1.1	8			
Shipments ⁴	83.0	84.1	87.2	85.1	75.7	77.1	54.1	83.2	86.2	88.6	72.2
Value ⁵ (mil. dol.)	724	801	942	1,391	1,621	1,871	1,423	2,401	2,814	2,544	2,916
Average per ton at mine (dol.)	8.73	9.53	10.80	16.34	21.41	24.26	26.32	28.86	32.64	36.56	40.39
Stocks, Dec. 31 (at mines)	12.3	12.7	15.3	9.4	12.3	14.0	14.8	12.4	11.3	11.7	12.7
Price (Lake Superior ores) Dec. 31.											
Natural ores, basic 51.5% Fe (dol./lg. ton)	11.45	10.55	10.80	17.26	18.50	20.26	21.16	22.30	24.56	26.50	32.30
Imports ⁶	34.8	45.1	44.9	48.0	46.7	44.4	37.9	33.6	33.8	25.1	26.3
Canada	10.8	23.8	23.9	19.7	19.1	25.0	25.3	19.2	22.6	17.3	18.8
Venezuela	14.6	12.3	18.0	15.4	13.1	9.0	6.2	6.1		3.6	5.1
Brazil	1.5	2.3	2.0	8.8	7.5	5.4	2.2	4.0	3.1	2.0	1.7
Value (mil. dol.)	322	444	480	666	690	680	567	645	623	773	946
Exports	5.3	7.1	5.5	2.3	2.5	2.9	2.1	4.2	5.1	5.7	5.5
Value (mil. dol.)	56	80	68	35	60	82	63	137	179	231	246
World production (est.)	514	511	754	879	902	885	828	834	890	882	847

- Represents zero. ¹ Includes Southeastern district and byproduct ore, not shown separately. ² Includes undistributed. ³ Predominant mineral. ⁴ Includes brown ore from Tenn., Mo., and Tex.; also magnetite from Calif., Utah, and Wyo. ⁵ Beginning 1976, includes byproduct ore. ⁶ For consumption. Includes countries not shown separately.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1315. GOLD AND SILVER—SUMMARY: 1960 TO 1981

(See *Historical Statistics, Colonial Times to 1970*, series M 288-289, for mine production)

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, prel.
GOLD												
Ore produced ¹	1,000 sh. ton	2,267	3,113	3,667	4,566	5,722	3,063	5,806	4,292	7,046	9,883	10,461
Production, U.S.	ML fine oz.	1.7	1.7	1.7	1.1	1.1	1.0	1.1	1.0	1.0	1.0	1.4
Value	ML dol.	56	80	63	180	170	131	163	193	297	504	638
World production	ML fine oz.	37.8	46.2	47.5	40.1	38.5	38.0	38.9	39.0	38.8	39.1	46.8
Industrial consumption												
U.S., net	ML troy oz.	3.0	5.3	6.0	4.7	4.0	4.6	4.9	4.7	4.8	3.2	2.6
Imports ²	ML dol.	335	102	237	397	457	331	674	903	1,480	2,750	2,167
Canada	ML dol.	184	2	152	143	162	200	256	338	585	1,234	1,314
Soviet Union	ML dol.	-	-	-	83	1	11	220	287	548	88	22
South Africa	ML dol.	(2)	(2)	(2)	1	6	1	2	1	9	33	188
Exports	ML dol.	2	1,285	38	226	493	375	1,113	1,114	4,808	3,648	3,072
Price per fine oz. ³	Dollars	35.0	35.0	36.4	169.7	161.5	125.3	146.3	193.6	307.5	612.6	498.6
Production: ⁴												
Nevada	1,000 fine oz.	66	205	480	299	333	286	324	261	250	278	525
South Dakota	1,000 fine oz.	551	656	579	344	305	319	305	288	246	268	276
Utah	1,000 fine oz.	914	389	408	255	190	187	211	236	261	180	226
SILVER												
Ore produced ¹	1,000 sh. ton	988	858	934	758	919	1,021	1,457	1,840	1,622	2,936	5,571
Production, U.S.	ML fine oz.	31	40	45	34	35	34	36	39	36	32	41
Value	ML dol.	29	51	80	156	154	149	176	213	420	667	438
World production	ML fine oz.	241	257	301	292	303	316	331	345	345	340	395
Industrial consumption												
U.S., net ⁵	ML fine oz.	102	137	126	176	158	171	154	160	157	125	117
Imports ⁶	ML dol.	54	63	104	624	394	378	358	389	962	1,806	1,089
Canada	ML dol.	20	26	84	167	150	173	166	180	277	680	375
Mexico	ML dol.	10	6	9	179	96	80	93	94	257	262	288
Peru	ML dol.	11	13	19	72	76	48	68	85	186	354	273
Exports	ML dol.	27	51	49	62	146	61	65	119	471	1,910	392
Price per fine oz. ³	Dollars	.91	1.29	1.77	4.71	4.42	4.35	4.62	5.40	11.09	20.63	16.92
Production: ⁴												
Idaho	ML fine oz.	17.8	18.1	19.1	12.4	13.9	11.8	15.3	16.4	17.1	13.7	16.5
Arizona	ML fine oz.	5.3	6.1	7.3	6.4	6.3	7.6	8.8	6.6	7.5	6.3	8.1
Utah	ML fine oz.	5.1	5.2	6.0	2.2	2.6	3.1	3.3	2.9	2.5	2.2	2.9
Colorado	ML fine oz.	2.1	2.0	2.9	2.8	3.4	4.1	4.7	4.2	2.9	3.0	3.6

- Represents zero. Z Less than one-half million dollars. ¹ Gold and silver are also produced from base-metal ores and placers. In 1976, these sources accounted for 36 percent of gold produced and 65 percent of silver. ² General imports, 1960-1977; imports for consumption, beginning 1978. ³ Selling price, except New York price for silver, beginning 1965. ⁴ Same: 1960-1965, U.S. Bureau of the Mint, *Annual Report of the Director*; ⁵ Refinery production. ⁶ Includes gold-silver ore. ⁷ Excludes coinage. ⁸ General imports, 1960-1976; thereafter, imports for consumption.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1316. COPPER—SUMMARY: 1960 TO 1981

[In thousands of short tons, except as indicated. Excludes Hawaii and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 225-241]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981, prel.
New (primary) copper produced—										
Mines (from domestic ores)	1,060	1,352	1,720	1,413	1,606	1,504	1,496	1,591	1,302	1,696
Copper ore produced ¹ (mil. sh. tons)	135	173	258	263	284	280	264	308	244	308
Average yield of copper (percent)	73	70	59	47	51	52	51	47	48	51
Smelters (from domestic ores)	1,143	1,403	1,805	1,374	1,461	1,394	1,400	1,448	1,095	1,427
Percent of world total	23	23	24	17	17	16	16	16	13	16
Refineries (from domestic ores)	1,121	1,336	1,521	1,266	1,423	1,411	1,463	1,556	1,237	1,577
From foreign ores, matte, etc., refinery	306	376	244	157	117	85	134	114	96	126
Total new refined, domestic and foreign	1,516	1,712	1,765	1,443	1,539	1,496	1,597	1,670	1,335	1,702
Secondary copper produced	671	1,253	1,248	972	1,145	1,196	1,375	1,711	1,584	1,593
Recovered from old scrap only	426	513	504	369	419	452	553	665	676	666
Imports (unmanufactured) ^{2,3}	524	523	392	324	535	437	586	310	603	474
Refined	143	137	132	147	382	387	444	225	471	384
Exports (unmanufactured) ³	506	372	307	234	172	125	196	204	213	265
Refined exports of metallic copper	434	325	221	172	112	52	101	81	16	27
Stocks (producers), Dec. 31	359	261	470	519	511	580	459	374	354	472
Mine production of primary copper	1,060	1,352	1,720	1,413	1,606	1,504	1,496	1,591	1,302	
Arizona	539	703	918	813	1,024	924	983	1,043	849	1,147
Montana	92	115	120	88	91	86	74	77	42	69
New Mexico	67	96	168	146	172	165	141	181	165	170
Utah	216	259	296	177	165	194	205	213	174	233
Other States	163	175	220	169	134	135	93	77	72	77
Avg. price, domestic production (cents per lb.)	32.1	35.4	58.2	64.2	69.5	66.6	66.5	93.3	102.4	85.1
World smelter production	5,040	6,105	6,752	6,069	6,842	6,957	8,844	8,899	8,751	9,177
World smelter capacity	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	10,900	11,180	(NA)	(NA)

NA Not available. ¹Includes old tailings, smelted or retreated. Not comparable with mine production figures which include recoverable copper content of ore not classified as "copper." ²Includes copper imported for immediate consumption plus material entering country under bond. Beginning with 1977 includes imports for consumption. ³Comprises copper in ores and concentrates, matte, refined, blister, and scrap.

No. 1317. MOLYBDENUM CONCENTRATES—SUMMARY: 1960 TO 1981

[In millions of pounds of contained molybdenum, except as indicated. See *Historical Statistics, Colonial Times to 1970*, series M 227-228, for production and exports of ore and concentrates]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Production	86.2	77.4	111.4	115.9	112.0	106.0	113.2	122.4	131.6	144.0	150.7	159.9
Shipments from mines	89.8	77.3	110.4	135.1	118.2	105.2	114.5	125.0	130.7	143.5	149.3	118.9
Average price per pound ¹ (dol.)	1.47	1.75	1.92	1.92	2.24	2.74	3.26	4.02	4.86	6.07	9.00	6.85-8.50
Value (mil. dol.)	87.4	120.5	190.1	217.7	234.7	259.3	333.5	450.4	607.9	871.1	1,344.2	945.5
Exports ²	30.2	24.1	55.7	74.0	78.7	62.8	62.5	65.7	69.2	72.2	66.2	51.4
Imports for consumption	-	1	(Z)	.5	.2	2.6	2.1	2.0	2.7	2.3	1.8	2.0
Consumption	44.8	69.1	78.1	82.5	91.7	90.0	85.0	91.0	95.4	103.2	108.2	80.7
Stocks (industry), Dec. 31 ³	3.5	4.2	9.7	22.0	16.7	10.7	9.4	9.2	9.0	9.5	16.1	35.5
World production, estimate	89.1	88.5	161.1	180.1	185.6	180.3	195.5	209.7	220.7	229.4	241.7	240.4

- Represents zero. Z Less than 50,000 pounds. ¹Molybdenum in technical-grade oxide, i.e., plant of major producer, domestic sales. ²Includes roasted concentrates. ³At mines and at plants making molybdenum products. ⁴Free world.

No. 1318. COBALT—SUMMARY: 1960 TO 1981

[In millions of pounds of contained cobalt, except price]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Production:												
Mine	2.2	1.2	.7	-	-	-	-	-	-	-	-	-
Secondary (scrap) ¹	.2	1	.1	.3	.3	.3	.3	.5	1.0	1.2	1.2	1.0
Imports ²	12.2	15.4	12.4	19.2	16.1	6.6	16.5	17.5	19.0	20.0	15.6	15.6
Zaire	(NA)	(NA)	(NA)	11.2	7.6	2.2	6.8	7.6	7.9	6.6	6.2	4.2
Zambia	(NA)	(NA)	(NA)	-	1	-	1.7	2.4	2.1	3.5	2.2	1.5
Finland	(NA)	(NA)	(NA)	.9	.9	1.1	.8	1.3	.9	1.2	1.1	1.2
Exports ³	(NA)	1	1.5	1.4	1.3	1.8	1.8	.9	1.5	7	1	.8
Consumption	8.9	13.6	13.4	16.7	16.9	12.8	15.5	16.0	20.0	17.4	15.3	11.7
Inventories	104.0	103.8	81.0	65.4	58.0	49.5	44.1	44.5	45.2	44.2	43.3	42.2
Government ⁴	103.2	102.2	79.1	62.9	54.0	47.6	41.0	40.9	40.8	40.8	40.8	40.8
Private ⁵	.8	1.6	1.9	2.5	2.0	1.9	3.2	3.7	4.4	3.4	2.5	1.4
Price per pound ⁶ (dollars)	1.54	1.62	2.20	3.00	3.46	3.86	4.44	5.58	11.53	24.56	25.00	19.73

- Represents zero. NA Not available. ¹Reported consumption of purchased scrap. ²Includes countries not shown separately. ³Content of unwrought cobalt and cobalt alloys, and waste and scrap. ⁴Includes cobalt sold but not delivered. ⁵Consumer stocks only. ⁶Weighted average based on the market price quoted by a major U.S. cobalt dealer.

Source of tables 1316-1318: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1319. NICKEL—SUMMARY: 1960 TO 1981

[Quantities in thousands of short tons. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 231-234]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Mine production	14	16	16	18	17	17	16	14	14	15	15	12
Plant production: Primary ¹	14	14	16	14	14	14	14	13	11	12	11	10
Secondary ²	27	51	49	66	65	42	47	45	44	57	40	(NA)
Imports (est. nickel content)	103	163	156	190	221	181	186	195	240	177	189	200
Exports (gross weight)	54	21	31	22	30	30	47	29	36	51	57	47
Consumption	106	172	156	196	206	146	163	155	181	196	156	145
Stocks (consumer), Dec. 31	11	14	25	29	45	35	32	18	20	20	15	23
Price per pound ³ (dollars)	7.4	7.9	1.33	1.53	2.01	2.20	2.20	2.41	2.10	1.93	3.20	3.45
World production, est.	353	466	603	783	849	690	873	913	723	749	821	772

NA Not available. ¹ From domestic ores. ² Includes nickel recovered from iron and steel scrap. ³ Peak price quoted U.S. buyers by International Nickel Co., Inc., for electrolytic nickel, U.S. duty included, f.o.b. Port Colborne, Ontario.

No. 1320. TIN—SUMMARY: 1960 TO 1981

[In thousands of short tons, except prices. See heading, table 1319, for exclusions]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Production: Domestic smelters	(0)	3.4	(0)	6.7	7.2	8.3	7.4	6.5	5.1	3.3	2.2
Secondary sources	24.7	28.1	22.4	21.1	17.5	18.1	20.4	23.8	23.7	20.5	17.0
Imports for consumption:											
Metal	44.3	45.7	56.7	44.3	46.9	49.7	52.7	51.6	53.3	50.7	50.8
Ore (tin content)	15.6	4.7	5.2	6.6	7.1	6.3	7.4	4.3	5.0	.9	.3
Exports	1.0	3.2	5.0	9.5	4.0	2.6	6.0	5.2	3.6	4.7	6.7
Price of Straits tin at N.Y., avg. cents per lb. ¹	101	178	174	396	340	360	535	630	754	846	733
Consumption	60	64	83	73	62	66	67	66	69	62	60
World mine production, est.	202	225	266	257	245	241	254	296	271	272	276

D Withheld to avoid disclosure of individual company data. ¹ See footnote 4, table 1278.

No. 1321. TUNGSTEN CONCENTRATE—SUMMARY: 1960 TO 1981

[Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 225-228, for related data]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Production:												
Concentrates (80% WO ₃ basis) ¹	1,000 sh. ton	7.0	7.9	10.1	5.8	6.1	6.3	7.3	7.0	6.3	6.3	8.2
Tungsten content	Mil. lb.	6.7	7.6	9.3	5.5	6.9	6.0	6.9	6.6	6.0	6.0	7.6
Shipments from mines:												
Reported value f.o.b. mines	Mil. dol.	9.8	13.0	23.8	29.1	37.3	55.1	56.7	55.8	50.6	62.2	
Avg. value per lb. of tungsten	Dollars	1.40	1.72	2.56	5.30	6.35	9.16	8.22	8.40	8.36	7.96	
Imports, general ²	Mil. lb.	5.2	3.5	1.3	6.9	5.6	6.8	³ 9.1	³ 11.4	³ 11.4	³ 11.8	
Consumption ³	Mil. lb.	11.6	13.9	16.7	14.0	16.1	17.1	16.8	21.6	20.4	21.7	
Stocks, ³ end of year	Mil. lb.	5.5	1.8	2.2	2.5	1.2	1.0	1.5	1.6	1.4	1.7	
World production ⁴	Mil. lb.	68.7	59.6	71.4	84.5	90.9	90.5	102.7	107.3	114.1	106.4	

¹ A short ton of 80% tungsten trioxide (WO₃) contains 951.72 pounds of tungsten. ² Tungsten content. ³ Imports for consumption.

Source of tables 1319-1321, U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1322. URANIUM—SUMMARY: 1960 TO 1981

[See table 1009. See also *Historical Statistics, Colonial Times to 1970*, series M 266-267]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Mine ore shipments ¹	Mil. sh. ton	6.0	4.4	6.3	7.0	7.0	6.6	10.3	14.9	15.0	16.7	13.7
Recoverable content ¹	Mil. lb.	31.6	20.8	25.6	24.8	24.0	27.0	31.6	37.6	31.4	40.0	31.2
Value ²	Mil. dol.	(NA)	(NA)	(NA)	196.0	252.0	436.0	626.0	612.0	749.0	1,228.0	1,208.0
Production, concentrate ³	1,000 sh. ton	17.6	10.4	12.9	11.5	11.6	12.7	14.9	18.5	16.7	21.6	19.2
Imports, concentrate ^{3,4}	1,000 sh. ton	18.0	4.0	-	-	.7	1.8	2.6	2.6	1.5	1.8	3.3
World production ⁵	1,000 sh. ton	41.6	20.4	24.2	24.0	24.8	29.0	37.5	44.1	49.4	57.1	57.2

- Represents zero. NA Not available. ¹ Receipts at mills. ² U.O.₂. ³ Based on average price for delivery commitments during the year. ⁴ Mainly for enrichment and export of enriched uranium product, 1965-76; thereafter, for domestic consumption only. ⁵ Excludes Communist countries.

Source: U.S. Dept. of Energy, *Statistical Data of The Uranium Industry, 1982, 1980 Annual Report to Congress*, vol. 2, and OECD, *Uranium Resources, Production and Demand*, February 1982.

No. 1323. ZINC—SUMMARY: 1960 TO 1981

[Production in thousands of short tons. Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 249-250, for production]

ITEM AND STATE	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Smelter production, primary slab zinc.....	300	394	378	583	565	436	466	450	445	531	375	379
Value (mil. dol.).....	205	291	236	241	359	341	369	310	278	369	251	339
From domestic ores.....	334	551	404	399	347	308	382	355	295	291	255	293
From foreign ores.....	466	443	474	184	208	130	117	95	154	240	120	86
Production, redistilled secondary slab zinc.....	69	84	77	83	79	98	69	51	36	59	32	64
Avg. price of common zinc (cents per lb.).....	13.0	14.5	15.3	20.7	36.0	39.0	37.1	34.4	31.0	37.3	37.4	44.6
Mine production, recoverable zinc.....	435	811	534	476	506	466	465	466	394	295	280	344
Colorado.....	31	54	57	58	49	48	51	40	24	11	15	(D)
Idaho.....	37	56	41	48	39	41	47	31	38	33	31	(D)
Missouri.....	3	4	51	82	92	75	84	82	65	69	69	88
New York.....	68	70	69	81	93	77	74	71	29	13	37	41
Tennessee.....	91	122	116	84	85	83	80	97	94	123	130	130
Other States.....	207	303	208	148	141	145	146	136	83	78	75	118
World smelter production, est.....	3,335	4,353	5,321	5,577	5,183	5,525	5,905	6,407	6,466	6,910	6,577	6,798
World smelter and refining capacity.....	(NA)	(NA)	(NA)	6,720	6,940	(NA)	7,545	7,686	8,487	8,524	(NA)	(NA)

NA Not available. D Withheld to avoid disclosure of individual company data.

Source: U.S. Bureau of Mines, *Minerals Yearbook*, and *Mineral Facts and Problems*.

No. 1324. BAUXITE—SUMMARY: 1960 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series M 254-257]

ITEM	Unit	1960	1965	1970	1973	1975	1976	1977	1978	1979	1980	1981
Production:												
Crude ore.....	Mil. lg. ton.....	2.4	2.0	2.5	2.4	2.2	2.4	2.4	2.0	2.2	1.9	1.8
Dried bauxite.....	Mil. lg. ton.....	2.0	1.7	2.1	1.9	1.8	2.0	2.0	1.5	1.5	1.5	1.5
Value.....	Mil. dol.....	21.1	18.6	30.1	25.7	25.1	28.8	27.5	23.2	24.9	22.4	25.5
Imports ¹ (crude, dried).....	Mil. lg. ton.....	8.7	11.4	13.6	15.0	11.5	12.5	12.9	13.8	13.6	13.9	12.6
Jamaica.....	Mil. lg. ton.....	4.2	6.6	7.5	7.8	5.4	6.2	6.4	6.4	6.4	6.0	5.3
Guinea.....	Mil. lg. ton.....	-	(NA)	.5	1.7	2.6	3.0	3.0	3.4	3.9	4.0	3.5
Suriname.....	Mil. lg. ton.....	3.3	3.0	2.9	2.8	1.9	1.5	1.8	2.3	1.5	1.3	1.0
Value ²	Mil. dol.....	78.0	143.0	159.8	180.2	245.1	316.1	349.5	397.5	388.1	(NA)	(NA)
Exports (as shipped).....	1,000 lg. ton.....	■	147	3	16	19	15	26	13	15	21	20
Value.....	Mil. dol.....	2.6	10.7	2	1.2	1.7	1.3	2.3	1.5	3.3	(NA)	(NA)
Consumption (dry equivalent).....	Mil. lg. ton.....	6.9	13.5	15.7	16.9	12.4	13.8	14.3	14.5	15.4	15.7	13.3
World production, est.....	Mil. lg. ton.....	27.2	36.8	55.9	78.4	73.6	78.2	80.1	78.5	86.4	87.4	84.4

- Represents zero. NA Not available. ¹ Includes countries not shown separately. ² See footnote 1, table 1289.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1325. ALUMINUM—SUMMARY: 1960 TO 1981

[See also *Historical Statistics, Colonial Times to 1970*, series M 258-262]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Production.....	Mil. sh. ton.....	2.3	3.4	4.8	5.9	4.9	5.4	5.8	6.1	6.4	6.5	6.6
Primary aluminum.....	Mil. sh. ton.....	2.0	2.8	4.0	4.9	3.9	4.3	4.5	4.8	5.0	5.1	4.9
Plant capacity.....	Mil. sh. ton.....	2.5	2.8	4.3	4.9	5.0	5.2	5.2	5.2	5.3	5.5	5.5
Secondary aluminum ¹	Mil. sh. ton.....	.3	.6	.8	1.0	1.0	1.2	1.3	1.3	1.4	1.4	1.7
Value ² (primary metal).....	Bil. dol.....	1.2	1.7	2.6	3.7	3.7	4.8	6.0	6.6	7.6	9.3	10.0
Primary aluminum.....	Bil. dol.....	1.0	1.3	2.2	3.0	3.0	3.9	4.7	5.2	6.1	7.3	7.5
Price (cents per lb. ³).....	Cents/lb.....	26.0	24.5	26.7	34.1	38.8	44.5	51.8	54.0	61.0	71.8	78.0
Secondary aluminum.....	Bil. dol.....	.2	.3	.5	.7	.8	1.0	1.3	1.4	1.7	2.0	2.5
Imports for consumption ⁴	Mil. sh. ton.....	.2	.6	.5	.6	.6	.7	■	1.1	■	.7	.9
Value.....	Bil. dol.....	.1	.3	.2	.4	.4	.6	.8	1.1	1.0	1.0	1.4
Exports ⁴	1,000 sh. tons.....	384	315	612	524	440	484	411	520	773	1,483	867
Value.....	Bil. dol.....	.2	.2	.4	.5	.4	.5	.5	.7	1.1	2.4	1.5
Shipments ⁵ (net domestic).....	Mil. sh. ton.....	2.4	3.6	4.5	6.4	4.8	5.8	6.1	6.8	6.9	6.0	6.0
World production, est.....	Mil. sh. ton.....	5.0	7.0	10.6	14.5	13.4	13.9	15.2	15.6	16.1	17.0	16.6
World plant capacity.....	Mil. sh. ton.....	5.9	7.9	12.0	15.6	16.4	17.6	18.0	18.9	19.4	20.0	20.4

¹ Recoverable aluminum content from scrap, old and new. ² Based on published producers' prices for primary metal.

³ Average of prices for primary aluminum, 1960-1978, quoted by *American Metal Market*; thereafter *Metal Market*.

⁴ Crude and semicrude (including metal and alloys, plates, bars, etc., and scrap). ⁵ Compiled by Aluminum Association from data on net shipments of aluminum ingot and mill products. Includes changes in aluminum industry and government inventories and net trade.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1326. MAGNESIUM—SUMMARY: 1970 TO 1981

[In thousands of short tons, except as indicated. Magnesium metal is used primarily in the manufacturing of aircraft, automotive, and other types of transportation equipment, material-handling equipment, power tools, and alloying with other metals]

ITEM	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Production (domestic):	124	137	140	(D)	148	151	159	185	200	209	289
Primary ¹	112	121	122	(D)	120	120	126	149	162	169	142
Secondary (recovered from scrap)	12	16	18	16	28	31	33	36	37	40	46
Exports:	36	18	40	46	33	13	28	42	54	57	35
Value (mil. dol.)	22.5	11.7	28.2	48.6	46.2	26.9	51.8	75.8	113.8	127.7	90.8
Imports:	3	4	3	5	8	15	6	7	5	4	7
Value (mil. dol.)	2.5	2.6	2.7	5.2	11.5	22.7	8.0	10.1	9.0	6.3	17.6
Consumption:	85	104	116	130	94	104	■	109	109	96	91
For structural products	23	24	25	28	19	17	20	19	19	17	15
For distributive or sacrificial purposes	70	80	91	102	75	87	84	90	90	78	76
Alloys (aluminum)	37	43	52	62	47	54	56	59	61	54	51
Other	33	37	39	40	28	33	28	31	29	24	25
Price per pound (cents)	35	37	38	41-75	62	67-92	96-99	99-101	101-109	107-125	125-134
World production (primary)	242	258	266	143	258	275	264	318	339	350	328

D Withheld to avoid disclosing company proprietary data. ¹Beginning 1975, figures are the difference between total North American production reported by the International Magnesium Association and Canadian production. ²Excludes U.S. production.

No. 1327. CHROMITE—SUMMARY: 1970 TO 1981

[In thousands of short tons, except as indicated]

ITEM	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Imports for consumption ¹	1,406	1,056	831	1,102	1,252	1,275	1,293	1,013	1,024	982	889
Value (mil. dol.)	31.8	27.6	21.0	28.5	60.7	70.0	66.7	51.4	55.6	58.5	48.9
South Africa	■	248	303	341	289	438	659	480	353	405	482
Soviet Union	246	434	242	296	349	189	60	137	250	170	111
Philippines	210	131	190	264	210	166	172	195	194	139	145
Exports:	41	20	21	18	■	124	187	23	27	6	71
Reexports:	73	57	34	89	45	85	61	29	29	44	67
Consumption, total	1,403	1,140	1,387	1,450	881	1,006	1,380	1,010	1,209	988	879
Metallurgical industry	912	727	920	904	532	567	578	534	774	573	501
Refractory industry	278	224	261	295	183	202	208	237	193	155	139
Chemical industry	213	189	206	251	166	207	214	239	242	240	239
Stocks, Dec. 31 (consumer)	733	857	587	573	952	1,009	■	1,301	907	675	693
World production ¹	6,672	6,725	7,381	8,244	9,136	9,362	10,415	10,210	10,676	10,746	10,225
South Africa	1,579	1,635	1,818	2,099	2,296	2,656	3,372	3,466	3,634	3,783	3,160
Soviet Union	1,930	2,040	2,100	2,150	2,290	2,300	2,400	2,550	2,550	2,700	2,650
Philippines	624	395	640	584	573	475	589	585	613	547	480

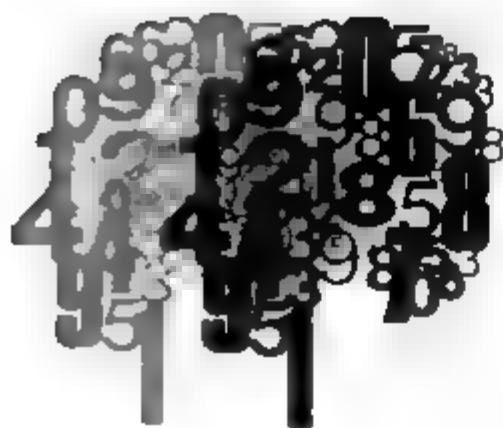
¹Includes countries not shown separately.

No. 1328. TITANIUM—SUMMARY: 1970 TO 1981

ITEM	Unit	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Ilmenite concentrates:												
Mine shipments	1,000 sh. ton	821	740	804	755	702	618	542	561	646	594	524
Value	Mil. dol.	18.6	16.7	20.1	22.7	26.9	27.6	25.2	25.6	30.0	32.0	37.0
Imports	1,000 sh. ton	98	15	70	82	122	168	335	309	184	357	296
Value	Mil. dol.	1.0	.2	.9	1.4	2.1	2.6	5.7	4.5	2.8	6.7	5.8
Consumption	1,000 sh. ton	872	786	806	852	748	822	867	792	791	849	868
Titanium dioxide pigments:												
Production	1,000 sh. ton	856	718	785	787	803	713	867	701	742	727	750
Imports for consumption	1,000 sh. ton	60	66	60	35	26	68	115	118	105	98	125
Consumption	1,000 sh. ton	(NA)	(NA)	(NA)	(NA)	596	754	785	802	840	753	785
Price, Dec. 31												
Anatase	Cents/lb	26	27-29	24	31	39	41	44	46	53	57	69
Rutile	Cents/lb	26-27	26-29	26	35	44	47	49	51	59	63	75
World production:												
Ilmenite concentrate	1,000 sh. ton	3,109	2,702	2,983	3,518	3,194	3,480	3,653	3,875	3,920	4,019	3,879
Titanium slag	1,000 sh. ton	853	824	947	836	832	901	785	1,037	842	1,243	1,248
Rutile concentrate, natural ²	1,000 sh. ton	480	361	365	396	422	445	401	366	415	483	421

NA Not available. ¹Preliminary. ²Estimated. ³Excludes U.S. production data to avoid disclosing company proprietary data.

Source of tables 1326-1328: U.S. Bureau of Mines, Minerals Yearbook.



Section 28

Construction and Housing

This section presents data on the construction industry and on various indicators of its activity and costs, on housing units and their characteristics, occupants, and financing; on public housing; and on nonresidential buildings.

The principal source of these data is the U.S. Bureau of the Census, which issues a variety of current publications. Construction statistics compiled by the Bureau appear in its monthly *Construction Reports* series with various quarterly or annual supplements; *Housing Starts* and *Housing Completions* present data by type of unit and by 4 major census regions; *New One-Family Houses Sold and For Sale* also provides statistics annually on physical and financial characteristics for all new housing by the 4 major census regions; *Value of New Construction Put in Place* includes monthly composite construction cost indexes, and a special supplement which contains historical data, 1964 to 1980, as well as several tables showing data for 1915-1964; *Price Index of New One-Family Houses Sold* presents quarterly figures and annual regional data, and *Housing Units Authorized by Building Permits and Public Contracts* covers approximately 16,000 permit-issuing jurisdictions in the United States. Statistics on expenditures by owners of residential properties are issued quarterly and annually in *Residential Alterations and Repairs*. Reports of the censuses of construction industries (see below) are also issued on various topics.

Other Census Bureau publications include the *Current Housing Reports* series, which comprises the quarterly *Housing Vacancies*, the quarterly *Market Absorption of Apartments*, the *Annual Housing Survey*, and reports of the censuses of housing and of construction industries. *Construction Review*, published monthly by the Bureau of Industrial Economics, U.S. Department of Commerce, contains many of the census series and other construction statistics series from the Federal Government and private agencies.

Other sources include the monthly *Dodge Construction Potentials* of F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, N.Y., which presents State data on construction contracts, the Bureau of Economic Analysis, which presents data on residential capital and gross housing product; and the Federal Home Loan Bank Board, the Department of Housing and Urban Development (HUD), and the Veterans Administration, which publish financial data. Data on conventional home mortgages are provided by the Federal Home Loan Bank Board. The Department of Housing and Urban Development provides data on the gross flow of long-term mortgage loans in its study, *The Supply of Mortgage Credit, 1970-1979*. Data on mortgages insured by the Federal Housing Administration (FHA) and on VA-guaranteed loans are also presented in this section. In addition, the *Statistical Yearbook*, published by HUD through the 1979 issue, also contains housing data.

Censuses and surveys.—Censuses of the construction industry were first conducted by the Bureau of the Census for 1929, 1935, and 1939; beginning in 1967, a census has been taken every five years (for years ending in "2" and "7"). The latest reports are for 1977.

The 1977 Census of Construction Industries, in accordance with the 1972 *Standard Industrial Classification Manual* (see text, page 372), defines a construction establishment as a relatively permanent place of business where the usual business activities related to construction are conducted.

From 1850 through 1930, the Bureau of the Census collected some housing data as part of its censuses of population and agriculture. Beginning in 1940, separate censuses of housing have been taken at 10-year intervals. For the 1970 and 1980 censuses, data on year-round housing units were collected and issued on occupancy and structural characteristics, plumbing facilities, value, and rent.

Evaluation studies of the 1950, 1960, and 1970 censuses estimated the underenumeration of occupied housing units at 2.9 percent, 2.4 percent, and 1.7 percent, respectively. The net undercount in the 1970 census is estimated at approximately 1.5 million housing units. Estimates for the 1980 Census were not available at the time of publication of this edition. The estimates for the various censuses are not strictly comparable due to differences in timing, procedures, and other factors. The census figures have not been adjusted to reflect the estimated undercounts.

The Annual Housing Survey (*Current Housing Reports*, Series H-150 and H-170), which began in 1973, provides a current and ongoing series of data on selected housing and demographic characteristics. It is based on a national sample and on separate samples for 60 SMSA's selected to represent a cross section of the housing stock in these areas. Annual Housing Survey estimates are subject to both sampling and nonsampling errors; caution should, therefore, be used in making comparisons with 1970 census data.

Data on residential mortgages were collected continuously from 1890 to 1970, except 1930, as part of the decennial census by the Bureau of the Census. Since 1973, mortgage status data, which are limited to single family homes on less than ten acres with no business on the property, have been presented in the Annual Housing Survey.

Housing units.—In general, a housing unit is a group of rooms or a single room occupied or intended for occupancy as separate living quarters; that is, the occupants do not live and eat with any other persons in the structure, and there is either (1) direct access from the outside or through a common hall, or (2) complete kitchen facilities for the exclusive use of the occupants. Transient accommodations, barracks for workers, and institutional-type quarters are not counted as housing units.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 1329. CONSTRUCTION INDUSTRIES—SUMMARY, BY INDUSTRY: 1972 AND 1977

[Based on a probability sample of about 167,000 construction establishments with payroll; in 1972 and 181,000 in 1977, see Appendix III. "N.e.c." means Not elsewhere classified]

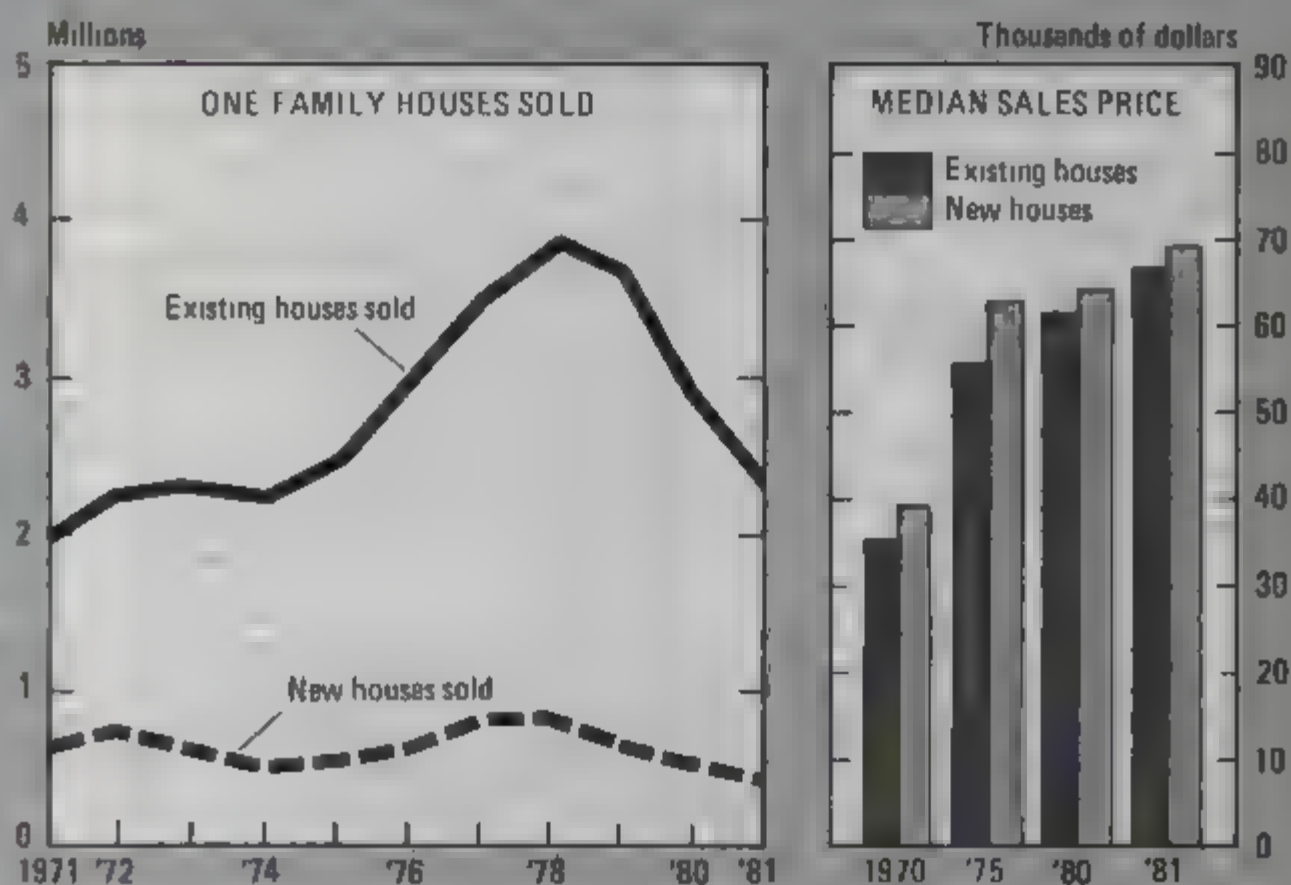
INDUSTRY	Estab- lish- ments with payroll (1,000)	EMPLOYEES (1,000)		PAYROLL (mil. dol.)		RECEIPTS (mil. dol.)		Value added ² (mil. dol.)
		Total	Con- struction workers	Total	Con- struction workers	Total	Net construc- tion ¹	
1972, total	437.9	4,146	3,467	40,005	32,187	155,850	111,232	68,197
Contract construction	430.0	4,083	3,464	39,528	32,036	152,722	110,716	67,810
General building contractors.....	133.1	1,150	938	10,159	7,740	64,350	33,245	17,884
Heavy construction contractors.....	28.0	827	709	9,255	7,537	31,481	25,357	16,200
Special trade contractors.....	269.0	2,107	1,817	20,114	16,759	56,911	52,114	33,726
1977, total	480.0	4,273	3,565	54,980	43,112	224,885	164,516	98,884
Contract construction	474.9	4,234	3,548	54,568	42,963	221,622	163,463	98,116
General building contractors.....	156.0	1,181	963	13,537	10,041	89,787	48,262	25,040
Single-family houses	101.0	438	383	3,736	3,066	21,890	15,070	7,297
Other residential buildings.....	4.8	56	46	646	485	4,515	2,203	1,145
Operative builders	23.8	174	110	2,026	1,053	22,918	10,627	5,229
Industrial buildings and warehouses.....	8.3	202	171	2,853	2,247	13,063	7,545	4,258
Nonresidential buildings, n.e.c.....	18.5	312	254	4,275	3,190	27,400	12,816	7,112
Heavy construction contractors ³	31.3	917	757	14,267	10,988	50,728	40,272	26,573
Highway and street construction.....	11.7	268	233	3,596	2,927	15,621	12,546	7,841
Water, sewer, and utility lines.....	10.2	198	173	2,837	2,347	9,553	8,371	5,523
Heavy construction, n.e.c.....	8.3	413	318	7,298	5,274	23,283	17,527	12,447
Special trade contractors ³	287.7	2,136	1,827	26,762	21,934	81,108	74,929	46,502
Plumbing, heating, air-conditioning	56.4	459	369	6,414	5,025	21,431	19,136	10,681
Painting, paperhanging, decorating.....	27.4	133	121	1,361	1,191	3,205	3,051	2,362
Electrical work	36.8	357	297	5,483	4,497	14,482	13,919	8,748
Masonry and other stonework.....	24.8	152	143	1,493	1,350	3,805	3,678	2,417
Plastering, drywall, insulation.....	16.7	180	158	2,262	1,901	6,266	5,819	3,630
Carpentering.....	24.4	125	115	1,202	1,061	3,647	3,328	2,083
Roofing and sheet metal work	20.6	172	146	1,968	1,555	6,321	5,939	3,420
Concrete work	17.0	118	107	1,210	1,043	4,152	3,862	2,228
Excavating and foundation work.....	16.5	104	92	1,208	1,021	4,370	3,930	2,884
Special trade contractors n.e.c.....	20.6	128	108	1,384	1,066	4,608	4,129	2,683
Subdividers and developers, n.e.c.....	5.1	39	18	414	150	3,043	1,053	748

¹ Construction receipts less payments for construction work subcontracted to others, not shown separately. ² Total receipts less (a) payments for materials, components, and supplies, (b) payments for construction work subcontracted to others, not shown separately. ³ Includes other industries each with less than \$2.5 billion in total receipts, not shown separately.

Source: U.S. Bureau of the Census, *Census of Construction Industries, 1972 and 1977*, series CC.

Figure 28.1

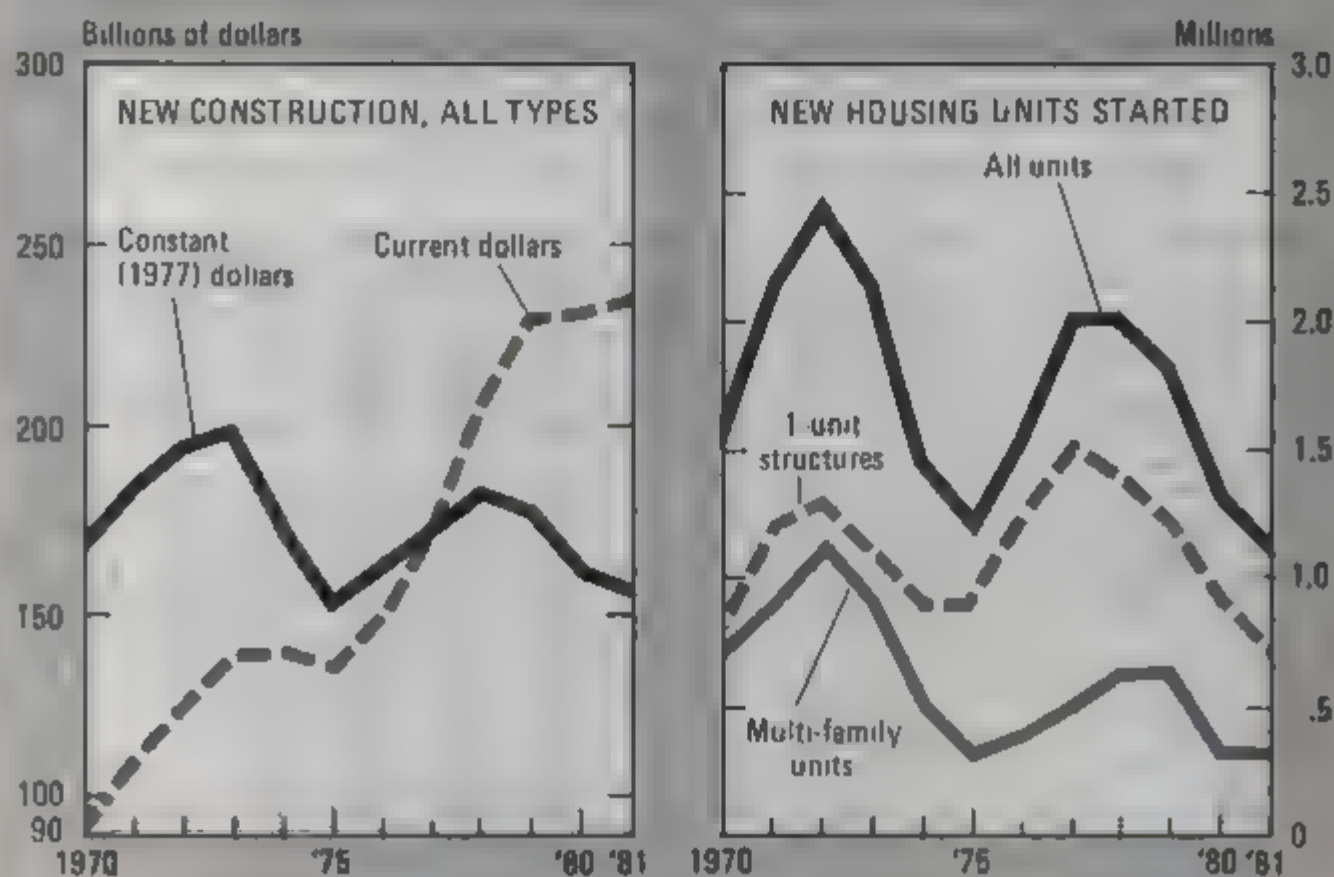
Existing and New Private One-Family Houses Sold and Median Sales Price: 1971 to 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1343 and 1345.

Figure 28.2

New Construction—Value of Total Construction and Housing Units Started: 1970 to 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1332, 1333, and 1340.

No. 1330. PRICE, WAGE SCALE, AND COST INDEXES FOR CONSTRUCTION: 1970 TO 1981

[1977=100, except as indicated. Excludes Alaska and Hawaii, except as noted. Indexes of certain of these sources are published on bases different from those shown here. See *Historical Statistics, Colonial Times to 1970*, series N 118-137, for construction cost indexes on a 1947-49 base]

ITEM	1970	1973	1974	1976	1976	1976	1979	1980	1981
Price index for new one-family houses sold ¹	55.3	67.5	73.8	81.7	86.7	114.5	130.8	145.2	157.4
Union hourly wage scales, building trades ²	84.1	105.0	113.2	122.9	130.9	146.5	156.6	169.1	(NA)
Construction cost indexes:									
Dept. of Commerce composite ³	56.8	69.6	81.8	89.3	92.4	113.0	128.8	143.2	152.5
Federal Highway Admin.: Highways ⁴	58.0	70.8	96.3	96.7	93.4	119.4	142.6	163.0	156.7
Environmental Protection Agency:									
Sewers.....	51.2	66.2	78.8	89.5	94.1	109.5	123.2	133.6	142.2
Sewage treatment plant.....	51.6	65.6	78.0	89.8	94.3	109.5	120.4	131.3	142.5
Federal Energy Regulatory Commission: Pipeline.....	54	64	76	93	98	112	121	133	145
American Appraisal Co.: Building construction ⁵	57	76	80	86	94	109	118	125	132
Turner Construction Co.: Building construction ⁶	82	78	91	95	97	108	116	131	144
E. H. Boeckh, building cost index: ⁷									
Small residential structures.....	56.5	73.5	79.4	84.7	91.7	109.0	119.0	126.9	136.0
Apartments, hotels, and office buildings.....	57.5	71.3	77.9	85.6	92.4	106.5	114.7	125.1	137.4
Commercial and factory buildings.....	55.6	69.8	77.3	85.3	92.6	107.5	117.1	127.7	140.1
Engineering News-Record: ⁸ Building construction.....	54.1	73.7	78.0	84.6	92.3	106.4	117.8	125.9	135.8
General construction.....	53.8	73.5	78.4	85.8	93.1	107.7	116.5	125.6	137.1
Handy-Whitman public utility: ⁹ Building.....	53	69	84	93	95	109	122	135	142
Electric light and power ¹⁰	52	63	75	88	94	108	116	127	139

NA Not available. ¹Includes value of site. ²1972=100. Based on minimum wage rates agreed upon through collective bargaining; excludes overtime. As of first work day in July. Includes Honolulu, Hawaii, beginning in 1976. Source: U.S. Bureau of Labor Statistics, *Union Wages and Benefits: Building Trades*, annual. ³Covers both building and nonbuilding construction, excluding maintenance and repair. Represents a weighted average of various indexes used for different types of construction. ⁴Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete). ⁵Average for 30 cities of 4 types of buildings: Wood-frame, brick-wood frame, brick-steel frame, and reinforced concrete. Covers materials and labor costs in structural portion of buildings but excludes those for plumbing, heating, lighting, sprinklers, and elevators. Reflects employee-benefit costs, and allows for contractors' overhead and profit. ⁶Eastern cities. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs. ⁷Average of 20 cities for types shown. Weights based on surveys of building costs. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and Social Security payroll taxes. ⁸Building construction index computed on basis of hypothetical unit of construction requiring 6 bbl. of portland cement, 1,088 M bd. ft. of 2" x 4" lumber, 2,500 lb. of structural steel, and 68.36 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor. ⁹Based on data covering public utility construction costs for 95 items in 6 geographic regions. Covers skilled and common labor; does not reflect tax payments nor employee-benefit costs. ¹⁰As derived by U.S. Bureau of the Census. Covers steam production plants only; excludes hydraulic plants.

Source: Except as noted, U.S. Bureau of the Census. In U.S. Department of Commerce, Bureau of Industrial Economics, *Construction Review*.

No. 1331. CONSTRUCTION MATERIALS—PRODUCER PRICE INDEXES: 1970 TO 1981

[1967=100. For discussion of producer price index, see text, p. 451. Covers materials incorporated as integral part of a building or normally installed during construction and not readily removable. Excludes consumer durables such as kitchen ranges, refrigerators, etc. See also, *Historical Statistics, Colonial Times to 1970*, series N 140-155]

COMMODITY	1970	1972	1972	1974	1976	1976	1977	1976	1970	1980	1981
All materials.....	112.5	126.6	136.5	160.9	174.0	187.7	204.9	229.3	251.4	296.4	299.8
Softwood lumber: Douglas fir.....	106.7	161.1	209.6	213.7	212.0	250.7	291.4	339.7	363.9	363.0	311.8
Southern pine.....	114.7	151.5	187.9	184.5	175.3	217.4	262.5	304.6	324.2	297.4	291.8
Hardwood lumber.....	114.6	126.2	169.0	189.5	160.3	176.0	200.3	235.8	260.0	252.0	255.2
Millwork.....	116.0	128.4	144.2	157.1	160.4	176.9	193.7	235.4	254.3	260.4	273.4
Plywood.....	108.4	130.7	155.2	161.1	161.2	187.0	212.2	235.6	250.5	246.5	245.7
Building paper and board.....	101.0	106.4	112.6	123.5	127.1	138.8	157.0	187.4	182.4	206.2	231.7
Prepared paint.....	112.4	118.0	122.2	145.7	168.9	174.4	182.4	192.3	204.4	235.3	249.8
Finished steel products:											
Structural shapes.....	115.3	134.6	140.7	179.0	216.3	227.1	241.2	272.0	300.4	329.9	368.1
Reinforcing bars.....	110.3	114.7	124.1	201.5	199.2	182.5	186.8	208.4	261.1	274.8	275.5
Black pipe, carbon.....	113.3	132.5	137.6	178.7	204.6	219.1	247.9	279.8	301.8	323.6	368.4
Wire nails, 8d common.....	114.6	133.5	140.4	207.1	241.4	243.6	261.3	273.5	296.5	331.9	368.9
Nonferrous metal products.....	124.7	116.9	136.0	187.1	171.6	181.6	195.4	207.8	261.7	305.0	295.8
Building wire.....	123.2	92.9	106.2	169.7	125.8	118.4	126.7	125.5	187.7	209.4	163.7
Plumbing fixtures.....	111.2	119.7	125.8	149.1	162.3	174.1	186.6	199.1	217.1	246.7	267.5
Heating equipment.....	110.6	116.2	120.4	135.0	150.7	158.0	165.5	174.4	187.1	206.5	224.2
Metal doors, sash, trim.....	113.0	120.5	124.5	147.3	162.5	171.3	186.7	207.6	229.6	255.2	278.8
Concrete ingredients.....	112.8	126.9	131.2	148.7	172.3	186.7	199.0	217.7	244.0	274.0	286.3
Concrete products.....	112.2	125.6	131.7	151.7	170.5	180.1	191.8	214.0	244.1	273.9	291.2
Structural clay products.....	109.9	117.3	123.3	136.2	151.2	163.5	179.8	197.2	217.9	231.5	248.8
Gypsum products.....	99.7	114.7	120.9	137.6	144.0	154.4	163.5	229.1	252.3	256.3	256.2
Asphalt roofing.....	102.7	131.2	136.5	198.0	225.9	238.3	253.0	292.0	325.3	398.8	407.5
Insulation materials.....	123.2	196.9	197.4	166.5	196.2	212.6	236.9	260.7	256.3	267.9	(NA)

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly and annual.

No. 1332. VALUE OF NEW CONSTRUCTION PUT IN PLACE: 1970 TO 1981

(In millions of dollars, except percent. Represents value of construction put in place during year, differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series N 1-29 and N 68-69]

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	95,204	138,428	138,221	135,941	151,084	173,829	205,861	230,413	230,748	238,201	238,201	238,201
Average annual percent change ¹	5.2	13.3	5	2.4	11.1	15.1	16.3	12.1	1	3.2		
Private	67,114	105,927	100,886	96,067	111,981	135,855	159,885	181,821	175,888	185,222	185,222	185,222
Percent of total	70.5	76.5	72.5	69.9	74.1	78.0	77.7	78.8	76.1	77.8		
Residential buildings (incl. farm)	31,864	59,726	50,376	48,472	60,520	60,956	93,424	99,030	87,261	86,586		
New housing units	24,272	50,088	40,644	34,408	47,277	65,749	75,808	78,687	63,139	62,664		
Structures with—												
1 unit	14,754	30,648	26,293	27,423	40,049	55,271	62,385	60,790	45,662	44,401		
2 or more units	9,518	19,438	14,351	6,985	7,228	10,478	13,422	17,798	17,476	18,263		
Additions, alterations	6,234	7,274	8,045	10,825	12,308	14,209	16,349	18,238	21,125	20,026		
Nonhousekeeping	1,356	2,366	1,687	1,139	935	998	1,267	2,208	2,997	3,875		
Nonresidential buildings	21,412	27,583	29,637	26,407	26,091	28,895	36,293	47,298	52,434	60,818		
Industrial	6,537	6,243	7,902	6,018	7,183	7,712	10,984	14,950	13,837	17,090		
Office	8,753	5,984	5,118	4,973	4,763	5,289	6,574	9,461	13,318	17,473		
Other commercial	9,467	9,467	9,826	7,833	7,993	9,514	11,991	15,463	16,627	18,775		
Hospital and institutional	2,529	3,152	3,201	3,209	3,398	3,290	3,347	3,530	4,046	4,907		
Religious	829	814	918	867	958	1,046	1,248	1,548	1,637	1,855		
Educational	854	835	655	567	680	680	729	808	1,175	1,171		
Other nonresidential	800	1,086	1,017	939	1,140	1,203	1,410	1,540	1,794	1,798		
Public utilities	11,017	15,161	16,624	17,379	20,301	20,272	23,455	26,253	26,480	31,231		
Telephone, telegraph	2,988	3,985	4,279	3,683	3,777	4,345	5,418	6,343	6,733	7,074		
Other public utilities	8,049	11,215	12,345	13,696	16,524	15,926	18,037	21,910	22,747	24,156		
Electric light, power	5,807	6,777	9,246	9,888	11,777	12,432	14,384	17,480	17,847	18,000		
Gas	1,654	1,708	1,739	1,350	1,280	1,860	1,929	2,850	3,035	4,080		
Railroads	304	422	575	514	580	737	1,190	1,189	1,256	1,334		
Petroleum pipelines	284	308	785	1,844	2,687	1,197	534	591	609	742		
Farm (nonresidential)	1,875	2,525	3,249	3,731	3,971	4,431	5,209	5,586	5,274	5,341		
All other private	946	912	1,000	1,088	1,077	1,301	1,283	1,452	1,250	1,286		
Public	28,090	32,501	38,334	40,874	39,103	38,174	45,976	48,792	55,060	52,979	52,979	52,979
Percent of total	29.5	23.5	27.5	30.1	25.9	22.0	22.3	21.2	23.9	22.2		
Buildings	10,656	12,894	14,990	15,474	13,759	12,799	15,241	15,558	18,517	17,792		
Educational	5,619	6,647	7,310	7,780	6,342	5,459	6,264	8,903	8,050	8,737		
Hospital	838	1,001	1,238	1,745	1,870	1,733	1,822	1,848	1,785	2,083		
Industrial	488	606	788	918	905	1,070	1,184	1,112	1,441	1,855		
Housing, redevelopment	1,106	841	1,008	754	720	808	1,053	1,211	1,648	1,722		
Other public buildings	2,594	3,799	4,670	4,296	3,922	3,629	4,919	4,684	5,593	5,595		
Highways and streets	9,982	10,505	12,065	10,854	9,743	9,380	10,708	11,997	13,807	13,304		
Conservation, development	1,907	2,311	2,741	3,257	3,742	3,862	4,457	4,587	5,090	5,225		
Military facilities	717	1,187	1,185	1,389	1,830	1,429	1,502	1,647	1,880	1,984		
Other public construction	4,827	5,624	7,352	9,811	10,248	10,704	13,989	15,002	15,755	14,693		
Sewer systems	1,543	1,864	2,681	4,801	5,341	5,374	6,785	7,298	7,171	5,935		
Water supply facilities	1,093	1,067	1,381	1,785	1,831	1,810	2,851	2,490	3,266	3,004		
Miscellaneous	2,192	2,503	3,290	3,345	3,278	3,520	4,563	5,215	5,318	5,754		
Public ownership:												
State and local government	24,798	27,648	33,042	34,586	32,108	30,856	37,497	40,227	45,372	42,936		
Buildings	9,753	11,885	13,487	13,580	11,831	10,501	12,764	13,215	15,899	14,641		
Highways and streets	9,726	10,236	11,808	10,547	9,404	8,984	10,295	11,488	13,314	12,848		
Conservation, development	540	356	495	818	903	774	597	673	821	886		
Other	4,777	5,391	7,252	9,821	10,167	10,595	13,851	14,872	15,538	14,560		
Federal government	3,293	4,853	5,293	6,318	7,017	7,320	8,398	8,564	9,678	10,043		
Conservation, development	1,367	1,855	2,248	2,838	2,839	3,088	3,860	3,915	4,270	4,329		
Buildings	903	1,329	1,504	1,894	2,126	2,298	2,477	2,343	2,818	3,151		
Military facilities	717	1,187	1,185	1,389	1,830	1,429	1,502	1,647	1,880	1,984		
Misc (incl. highways and streets)	306	401	357	397	420	506	556	669	709	599		

¹Change from prior year shown; for 1970, change from 1965. Minus sign (-) denotes decrease. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

**NO. 1333. VALUE IN CONSTANT (1977) DOLLARS OF NEW CONSTRUCTION PUT IN PLACE:
1970 TO 1981**

(In millions of dollars, except percent. For details on derivation of constant values and description of revised series, see source. For description of nature of revisions and deflators used, see *Construction Reports*, series C30-803.)

Item	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
New construction.....	197,810	190,000	179,200	182,190	163,457	173,305	181,987	178,951	161,804	186,167		
Private.....	116,406	112,400	126,832	106,866	122,863	136,290	141,171	141,364	123,532	121,200		
Percent of total.....	70.8	70.7	74.0	71.3	74.7	78.0	77.8	79.0	76.7	77.7		
Residential buildings ¹	57,581	67,032	66,389	58,074	67,737	80,000	81,226	75,956	60,925	55,914		
New housing units.....	43,872	72,884	53,506	41,500	52,884	65,472	65,891	60,288	44,068	40,400		
Structures with—												
1 unit.....	26,656	44,832	34,593	33,051	44,797	55,016	54,225	48,630	31,863	28,688		
2 or more units.....	17,217	28,352	19,003	8,455	8,087	10,456	11,066	13,636	12,225	11,802		
Additions, alterations.....	11,252	10,597	10,593	13,190	13,805	14,218	14,231	14,003	14,744	12,918		
Nonhousekeeping.....	2,458	3,451	2,233	1,378	1,049	1,000	1,104	1,667	2,083	2,400		
Nonresidential buildings ²	35,682	37,510	33,379	28,011	27,642	28,640	32,224	30,084	35,447	36,383		
Industrial.....	10,895	8,473	6,876	6,506	7,612	7,889	9,734	11,425	9,361	11,020		
Office.....	16,255	8,144	6,904	5,273	5,046	5,263	5,838	7,205	8,996	11,307		
Other commercial.....	12,673	11,081	8,310	8,486	9,486	10,651	11,766	11,243	10,889			
Hospital, institutional.....	4,217	4,294	3,616	3,404	3,597	3,290	2,991	2,702	2,734	3,176		
Religious.....	1,560	1,107	1,034	820	1,013	1,044	1,107	1,180	1,108	1,070		
Educational.....	1,442	1,140	741	601	669	659	649	614	793	759		
Other nonresidential.....	1,334	1,479	1,145	906	1,207	1,199	1,255	1,172	1,214	1,164		
Public utilities.....	20,328	23,160	21,420	19,376	21,365	20,249	21,827	23,943	22,746	21,690		
Telephones, telegraph.....	5,050	5,039	5,283	4,181	3,954	4,340	5,136	5,436	5,200	4,595		
Other public utilities.....	15,278	17,530	16,136	15,195	17,412	15,909	16,792	18,508	17,546	17,103		
Electric light, power ³	11,140	13,764	12,177	11,143	12,553	12,414	13,539	14,913	13,830	12,913		
Gas.....	3,066	2,670	2,277	1,448	1,305	1,559	1,721	2,189	2,286	2,797		
Railroads.....	541	614	671	547	609	734	1,080	917	849	882		
Petroleum pipelines.....	528	482	1,013	2,067	2,946	1,203	472	489	604	511		
Farm (nonresidential).....	3,128	3,438	3,663	3,690	4,207	4,425	4,540	4,288	3,563	3,406		
All other private.....	1,878	1,330	1,177	1,137	1,131	1,298	1,155	1,121	849	637		
Public.....	49,213	48,370	44,268	43,642	41,374	38,987	46,616	37,997	37,862	34,886		
Percent of total.....	29.4	23.3	26.0	28.7	25.3	22.0	22.4	21.0	23.3	22.3		
Buildings.....	17,922	17,788	17,101	16,530	14,630	12,786	13,560	11,896	12,542	11,517		
Educational.....	9,367	9,061	8,262	8,235	6,724	5,453	5,569	5,273	5,433	4,362		
Hospital.....	1,369	1,362	1,397	1,652	1,961	1,734	1,630	1,261	1,205	1,346		
Industrial.....	831	626	864	973	960	1,069	1,056	852	974	1,072		
Housing, redevelopment.....	1,999	1,370	1,324	910	908	999	911	929	1,150	1,113		
Other public buildings.....	4,325	5,179	5,254	4,569	4,157	3,624	4,362	3,580	3,779	3,622		
Highways and streets.....	17,670	15,354	13,265	11,146	10,291	9,332	9,215	8,586	8,483	8,441		
Conservation, development.....	3,406	3,367	3,439	3,603	3,914	3,855	4,104	3,821	3,621	3,614		
Military facilities.....	1,243	1,844	1,360	1,489	1,734	1,431	1,331	1,249	1,251	1,271		
Other public construction.....	8,972	8,206	9,073	10,874	10,805	10,690	12,616	12,047	11,465	10,056		
Sewer systems.....	2,992	2,914	3,412	5,379	5,699	5,366	6,146	5,971	5,409	4,163		
Water supply facilities.....	2,074	1,629	1,787	1,935	1,697	1,808	2,395	2,048	2,486	2,080		
Miscellaneous.....	3,806	3,663	3,874	3,559	3,439	3,518	4,076	4,029	3,601	3,803		

¹ Including farm. ² Excludes building by privately owned public utilities. ³ Includes construction with Rural Electrification Administration (REA) funds.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

**NO. 1334. VALUE OF PRIVATELY OWNED NONRESIDENTIAL BUILDING PROJECTS, BY CONSTRUCTION
STATUS, 1973 TO 1981, AND BY TYPE OF PROJECT, 1981**

(In billions of dollars)

CONSTRUCTION STATUS	1973	1974	1975	1976	1977	1978	1979	1980	1981				
									Total	Indus- trial	Office build- ing	Other com- mercial	Other ¹
Value of projects—													
Started.....	26.4	27.7	20.1	23.6	29.3	39.7	49.0	46.3	56.5	14.6	20.5	14.3	9.0
Completed.....	24.6	28.9	28.0	25.9	27.7	31.7	40.1	46.4	47.0	11.6	12.3	15.0	6.1
Under construction at year end.....	42.8	46.1	41.9	41.9	44.6	55.2	68.3	73.5	62.0	26.9	26.0	12.6	14.5

¹ Privately owned religious, educational, hospital and institutional, and miscellaneous nonresidential building projects.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

No. 1335. CONSTRUCTION CONTRACTS—VALUE OF CONSTRUCTION AND FLOOR SPACE OF BUILDINGS, BY CLASS OF CONSTRUCTION: 1970 TO 1981

[Includes new structures and additions, and major alterations to existing structures which affect only valuation, since no additional floor area is created by "alteration." See also *Historical Statistics, Colonial Times to 1970*, series N 78-100]

YEAR	Total	Resi- den- tial build- ings	NONRESIDENTIAL BUILDINGS								Non- build- ing con- struc- tion
			Total	Com- mer- cial ¹	Manu- fac- turing	Edu- ca- tional and sci- ence	Hos- pital	Public build- ings	Reli- gious	Social and re- crea- tional ²	
VALUE (bil. dol.)											
1970.....	68.3	24.8	24.6	9.1	3.7	5.3	2.8	1.0	.6	2.1	19.0
1971.....	80.2	34.7	25.5	9.6	2.6	5.6	3.2	1.5	.6	2.4	19.9
1972.....	91.2	45.4	27.1	11.5	3.0	4.8	3.5	1.5	.6	2.2	18.7
1973.....	99.3	45.7	31.4	12.8	4.8	5.1	3.3	2.0	.7	2.7	22.1
1974.....	93.7	33.6	33.2	11.8	5.6	6.3	3.8	2.1	.8	2.8	27.0
1975.....	92.7	31.3	31.6	9.2	6.8	5.9	3.7	2.1	.8	3.1	29.8
1976.....	110.1	44.2	30.0	10.2	4.5	4.9	4.5	2.1	.9	3.0	35.9
1977.....	139.7	62.0	35.1	13.6	5.4	5.2	4.5	2.3	1.0	3.3	42.6
1978.....	159.9	74.9	45.0	20.6	9.2	5.7	3.8	1.5	1.2	3.0	39.9
1979.....	168.4	74.6	50.2	24.4	7.6	6.3	4.8	1.6	1.3	4.1	43.7
1980.....	148.4	63.7	52.5	24.8	8.4	6.8	5.3	1.6	1.2	4.4	32.2
1981.....	150.2	60.1	56.2	31.0	7.5	5.8	6.2	1.5	1.2	4.9	31.9
FLOOR SPACE (mil. sq. ft.)											
1970.....	2,938	1,781	1,157	530	212	195	75	29	27	89	(x)
1971.....	3,437	2,279	1,156	552	175	189	76	40	26	98	(x)
1972.....	4,082	2,823	1,280	647	211	157	84	38	27	96	(x)
1973.....	4,013	2,574	1,439	717	293	156	76	49	28	120	(x)
1974.....	2,938	1,657	1,282	594	246	176	75	47	27	117	(x)
1975.....	2,390	1,441	949	409	146	152	63	46	28	105	(x)
1976.....	2,819	1,867	952	440	152	118	71	42	31	99	(x)
1977.....	3,536	2,440	1,096	584	175	112	66	43	32	105	(x)
1978.....	4,101	2,815	1,266	756	219	104	53	22	35	96	(x)
1979.....	3,905	2,528	1,377	816	243	102	57	20	34	106	(x)
1980.....	3,092	1,892	1,200	688	216	95	54	18	28	101	(x)
1981.....	2,783	1,617	1,166	722	185	74	60	15	26	85	(x)

X Not applicable.

¹ Includes nonindustrial warehouses.

² Includes miscellaneous.

No. 1336. CONSTRUCTION CONTRACTS—VALUE, BY STATES: 1975 TO 1981

[In millions of dollars. See headnote, table 1335. Represents value of construction in States in which work was actually done]

STATE	1975	1979	1980	1981			STATE	1975	1979	1980	1981		
				Total (incl. non- bldg.)	Resi- den- tial	Non- resi- den- tial					Total (incl. non- bldg.)	Resi- den- tial	Non- resi- den- tial
Total	92,659	168,446	148,393	150,189	60,063	58,250	Mo	1,645	3,065	2,613	2,550	891	1,168
Ala	3,084	2,543	1,918	1,774	847	577	Mont	393	569	395	2,033	171	94
Alaska	4,826	626	706	1,084	262	382	Nebr	747	1,043	830	771	279	266
Ariz	1,704	3,553	3,137	3,111	1,680	975	Nev	479	1,193	1,167	1,201	670	410
Ark	1,301	1,728	1,324	1,217	621	300	N.H	313	549	477	545	249	212
Calif	8,683	18,159	17,688	17,185	7,401	7,014	N.J.	1,950	3,613	3,790	3,473	1,282	1,604
Colo	1,380	3,197	2,791	4,383	1,479	1,884	N. Mex	660	1,060	1,371	1,355	353	379
Conn	804	1,564	1,440	1,815	655	912	N.Y	3,955	5,405	5,880	6,461	1,888	2,874
Del	228	323	305	496	127	278	N.C	2,240	5,852	3,471	3,351	1,745	1,149
D.C	542	580	510	927	194	672	N. Dak	865	601	456	513	192	183
Fla	3,607	12,176	12,847	12,299	6,860	3,732	Ohio	3,924	6,233	5,221	4,819	1,583	2,258
Ga	1,825	3,673	3,939	3,841	1,755	1,202	Okla	1,186	2,895	2,300	2,844	1,155	1,293
Hawaii	979	1,006	1,216	920	454	324	Oreg	1,036	2,495	1,926	2,047	693	593
Idaho	399	675	635	653	221	175	Pa	3,009	4,628	5,246	4,769	1,571	1,941
Ill	3,907	7,009	5,313	4,849	1,597	2,274	R.I	244	397	322	380	149	152
Ind	2,211	3,442	2,775	2,376	887	1,028	S.C	2,143	4,827	2,522	2,114	979	742
Iowa	1,252	2,404	1,540	1,258	487	388	S. Dak	275	551	421	351	126	103
Kans	1,324	1,828	1,887	1,280	602	396	Tenn	1,678	4,886	2,789	2,565	956	1,056
Ky	1,444	3,033	2,185	3,422	923	883	Tex	6,372	13,104	13,611	16,127	6,567	7,165
La	1,847	3,542	3,270	3,775	1,321	1,508	Utah	735	1,440	1,116	1,097	524	442
Maine	398	485	538	424	209	111	Vt	144	311	258	246	133	65
Md	1,886	2,592	3,062	2,554	1,073	1,033	Va	2,932	4,044	3,451	3,445	1,750	1,288
Mass	1,415	2,638	2,712	3,161	1,025	1,805	Wash	2,019	5,696	4,795	3,639	1,335	1,345
Mich	3,187	5,257	4,174	3,301	1,152	1,327	W. Va	926	1,226	855	685	225	229
Minn	1,667	3,299	2,746	2,666	1,193	922	Wis	1,667	2,945	2,269	2,120	826	832
Miss	1,030	3,895	1,561	1,343	556	307	Wyo	229	595	644	578	193	220

Source of tables 1335 and 1336: F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, N.Y. Figures reported currently in *Dodge Construction Potentials*.

No. 1337. PRIVATE CONSTRUCTION AUTHORIZED BY BUILDING PERMITS: 1972 TO 1981

(In billions of dollars. "14,000 and 16,000 place" series are based on U.S. total of approximately 14,000 and 16,000 places identified in 1972 and 1978, respectively, with local building permit systems)

TYPE OF CONSTRUCTION	VALUE (14,000 places)							VALUE (16,000 places)			
	1972	1973	1974	1975	1976	1977	1978	1978	1979	1980	1981
Total	59.4	61.8	60.8	47.3	63.1	62.9	96.8	101.6	107.4	102.0	103.8
New housing units	35.9	33.7	23.5	23.9	35.5	50.0	55.4	56.9	56.3	47.2	41.9
in structures with—											
1 unit	21.4	20.7	16.6	19.8	29.0	40.0	43.2	46.3	42.6	33.1	28.7
2-4 units	1.9	1.7	1.0	1.1	1.8	2.6	3.0	3.1	3.3	3.3	3.2
5 units or more	12.5	11.3	5.7	2.0	4.7	7.4	9.3	6.6	10.4	10.8	10.0
New nonhousekeeping residential buildings	1.4	1.7	.9	7	.8	1.0	1.3	1.3	1.6	1.5	1.9
New nonresidential buildings	17.3	20.8	20.5	16.2	19.2	23.7	30.6	32.2	36.3	34.8	39.3
Industrial buildings	2.9	4.5	4.5	3.0	3.9	5.5	7.4	7.8	9.3	8.0	7.9
Office buildings	3.6	4.1	3.9	3.0	3.1	4.3	6.6	6.8	9.1	8.9	14.6
Stores and other mercantile	4.2	4.8	4.3	3.4	4.3	5.7	7.3	7.6	9.0	8.7	6.2
Hospitals and other institutional	1.9	1.9	2.0	2.0	2.4	2.0	2.1	2.1	2.3	1.6	1.7
All other nonresidential	4.6	5.6	5.8	4.6	5.4	6.1	7.4	7.9	8.7	8.7	6.9
Additions and alterations	4.9	5.6	6.0	6.6	7.7	8.2	9.1	9.2	11.2	10.5	20.5

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, Bureau of Industrial Economics, *Construction Review*.

No. 1336. NEW PRIVATELY OWNED HOUSING UNITS AUTHORIZED BY STATES: 1979 TO 1981

(Based on about 16,000 places in U.S. having building permit systems)

STATE	HOUSING UNITS (1,000)			VALUATION (mil. dol.)			STATE	HOUSING UNITS (1,000)			VALUATION (mil. dol.)		
	1979	1980	1981	1979	1980	1981		1979	1980	1981	1979	1980	1981
U.S.	1,561.6	1,190.6	965.5	56,381	47,186	41,910	Mo	19.4	13.6	9.9	657	459	361
Ala	17.5	15.9	9.9	437	368	262	Mont	3.1	2.3	1.9	90	71	66
Alaska	2.7	2.2	4.5	148	166	340	Nebr	8.7	6.7	3.8	275	208	138
Ariz	53.8	36.7	33.4	1,493	1,244	1,202	Nev	19.0	11.8	10.3	700	458	371
Ark	8.6	8.2	4.6	289	270	162	N.H.	6.8	5.3	4.4	241	188	188
Calif	211.5	144.4	104.2	9,727	7,788	6,350	N.J.	34.6	22.3	20.7	1,251	965	1,005
Colo	42.8	30.1	29.4	1,589	1,154	1,351	N. Mex	13.1	8.7	8.0	463	330	324
Conn	14.8	10.1	9.3	536	412	399	N.Y.	39.8	24.5	26.2	1,099	926	1,049
Del	3.0	2.9	2.3	87	90	81	N.C.	41.4	35.5	34.1	1,287	1,176	1,155
D.C.	1.7	2.7	1.0	59	82	42	N. Dak	4.8	3.1	2.2	185	115	83
Fla	175.7	174.2	146.2	5,858	5,471	5,807	Ohio	48.0	31.2	21.8	1,917	1,263	960
Ga	40.6	34.8	30.0	1,237	1,166	1,016	Okl	18.8	17.7	15.0	781	810	775
Hawaii	11.0	10.3	6.3	542	640	426	Oreg	28.3	19.3	12.9	1,058	828	586
Idaho	9.0	5.6	3.4	300	219	154	Pa	42.8	30.0	24.3	1,481	1,118	956
Ill	45.8	25.2	16.4	1,852	1,087	775	R.I.	5.3	2.9	3.1	151	90	98
Ind	26.8	20.9	13.9	1,077	788	541	S.C.	26.8	22.3	18.9	823	747	704
Iowa	13.3	8.7	6.6	496	312	221	S. Dak	3.9	3.1	1.5	129	97	50
Kans	13.3	10.9	6.2	520	435	362	Tenn	23.3	19.4	11.7	729	611	398
Ky	13.1	10.2	7.6	437	351	269	Texas	160.0	127.5	135.6	4,981	4,851	5,252
La	23.6	20.5	19.6	762	682	674	Utah	16.6	10.5	8.7	630	389	439
Maine	4.3	3.4	2.5	139	113	93	Vt	3.2	2.9	2.6	104	96	62
Md	26.7	20.0	17.0	925	811	727	Va	44.6	37.3	29.7	1,562	1,322	1,102
Mass	21.4	16.5	16.7	712	634	712	Wash	51.6	33.0	24.4	1,923	1,373	1,160
Mich	49.2	29.0	18.8	1,900	1,164	817	W. Va	3.8	3.3	2.4	120	106	77
Minn	29.3	21.3	17.3	1,227	974	840	Wyo	26.5	18.2	14.2	960	690	651
Miss	6.9	9.4	5.5	242	266	169		5.2	3.8	4.1	188	149	152

Source: U.S. Bureau of the Census, *Construction Reports*, series C40, annual.

NO. 1339. NEW HOUSING UNITS STARTED: 1960 TO 1982

(Minus sign (—) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series N 156-159)

YEAR	Total (1,000)	Per- cent change	PRIVATELY OWNED (1,000)		Pub- licly owned (1,000)	YEAR AND MONTH	Total (1,000)	Per- cent change	PRIVATELY OWNED (1,000)		Pub- licly owned (1,000)
			Total	1-unit struc- tures					Total	1-unit struc- tures	
1960	1,296	-15.8	1,252	985	44	1975	1,171	13.4	1,160	892	11
1961	1,365	5.3	1,313	974	52	1976	1,546	32.2	1,536	1,162	10
1962	1,462	9.3	1,463	991	30	1977	2,002	29.8	1,967	1,451	15
1963	1,636	9.8	1,603	1,012	32	1978	2,036	1.7	2,020	1,433	16
1964	1,561	-4.5	1,529	970	32	1979	1,780	-13.6	1,745	1,194	15
1965	1,510	-3.3	1,473	964	37	1980	1,313	-25.4	1,292	852	20
1966	1,196	-20.8	1,165	779	31	1981	1,100	-16.2	1,084	705	16
1967	1,322	10.5	1,292	844	30	1982, Jan.	(NA)	(NA)	¹ 965	¹ 592	(NA)
						Feb.	(NA)	(NA)	¹ 945	¹ 568	(NA)
1968	1,545	15.9	1,508	899	38	Mar.	(NA)	(NA)	¹ 931	¹ 521	(NA)
1969	1,500	-2.9	1,487	811	33	Apr.	(NA)	(NA)	¹ 862	¹ 568	(NA)
1970	1,469	-2.1	1,434	613	35	May	(NA)	(NA)	¹ 1,066	¹ 531	(NA)
1971	2,065	41.9	2,052	1,151	32	June	(NA)	(NA)	¹ 908	¹ 521	(NA)
1972	2,379	14.1	2,357	1,309	22	July	(NA)	(NA)	¹ 1,193	¹ 528	(NA)
1973	2,057	-13.5	2,045	1,132	12	Aug. ²	(NA)	(NA)	¹ 1,002	¹ 522	(NA)
1974	1,353	-34.4	1,338	888	15	Sept. ³	(NA)	(NA)	¹ 1,146	¹ 653	(NA)

NA: Not available. ¹Change from 1969. ²Seasonally adjusted annual rate. ³Preliminary.Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

NO. 1340. NEW HOUSING UNITS STARTED—SELECTED CHARACTERISTICS: 1970 TO 1980

(In thousands. For composition of regions, see fig. 1, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 156-183 and 170)

CHARACTERISTIC	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total housing units started	1,469	2,065	2,379	2,057	1,353	1,171	1,546	2,002	2,036	1,780	1,313	1,100
Publicly owned units	35	32	22	12	15	11	10	15	16	15	20	16
Privately owned units ¹	1,434	2,052	2,357	2,045	1,338	1,160	1,536	1,987	2,020	1,745	1,292	1,084
With FHA aid ²	421	526	371	163	95	66	144	176	178	179	177	119
With VA aid ³	61	94	104	86	73	77	100	131	127	122	95	75
1 Unit structures	813	1,151	1,309	1,132	899	892	1,162	1,451	1,433	1,194	852	705
2-4 unit structures	85	120	141	116	66	64	65	122	125	122	110	91
5 or more unit structures	536	781	908	795	382	204	269	414	462	429	331	288
Northeast	218	264	330	277	183	149	189	202	200	178	125	117
North Central	294	434	443	440	317	294	400	465	451	349	216	165
South	612	869	1,057	899	553	442	569	783	824	746	543	562
West	311	496	527	429	295	275	400	536	545	471	306	240
Inside SMSA's ⁴	1,018	1,502	1,720	1,495	923	760	1,044	1,377	1,432	1,241	914	760
Outside SMSA's ⁵	416	550	636	550	415	400	494	610	588	505	379	324
Condominium units ⁶	(NA)	(NA)	(NA)	241	176	65	94	118	155	199	185	181
Single-family units	(NA)	(NA)	(NA)	69	46	20	30	41	42	43	36	36
Multifamily units	(NA)	(NA)	(NA)	172	130	45	64	77	113	156	150	145
Mobile home ⁷ ship- ments to dealers	401	497	578	567	329	213	246	277	276	277	222	241

NA: Not available. ¹For 1970-1978, characteristics such as type of structure, region, and inside/outside SMSA's include data for publicly owned units. ²Source: U.S. Department of Housing and Urban Development, *HUD Statistical Yearbook* and unpublished data. ³For definition of standard metropolitan statistical area (SMSA), see text, Appendix II, 1970-1975 based on 1967 definitions as amended through 1974; thereafter, on 1974 definitions as amended through 1975. ⁴Type of ownershipunder which the owners of the individual housing units are also joint owners of the common areas of the building or community. Includes a small number of cooperatively-owned units. ⁵A mobile home is a vehicular portable structure built on a chassis and designed to be used without a permanent foundation as a year-round dwelling when connected to utilities. The homes are defined as units more than 8 feet wide or 32 feet in length.Source: Except as noted, U.S. Bureau of the Census, *Construction Reports*, series C20. Mobile home shipments data provided by Manufactured Housing Institute, Arlington, Va., through 1977; thereafter, by the National Conference of State and Building Codes and Standards.

No. 1341. CHARACTERISTICS OF NEW PRIVATELY OWNED ONE-FAMILY HOUSES COMPLETED: 1970 TO 1981

(Percent distribution, except as indicated. Data beginning 1975 show percent distribution of characteristics for all houses completed (includes new houses completed, houses built for sale completed, contractor-built and owner-built houses completed, and houses completed for rent). Data for 1970 cover contractor-built, owner-built, and houses for rent for year construction started and houses sold for year of sale. Percent exclude houses for which characteristics specified were not reported)

CHARACTERISTIC	1970	1975	1979	1980	1981	CHARACTERISTIC	1970	1975	1979	1980	1981
Total houses (1,000)	799	875	1,301	957	819	Bathrooms	100	100	100	100	100
Financing	100	100	100	100	100	1 or less	32	24	18	18	20
Mortgage	84	82	84	81	80	1½	20	17	11	10	10
FHA-insured	30	9	11	18	17	2	32	40	48	48	48
VA-guaranteed	7	8	7	8	7	2½ or more	16	20	28	25	24
Conventional	7	58	63	55	52	Foundation	100	100	100	100	100
Farmers Home Administration	47	7	3	3	4	Full or partial basement	37	45	42	36	33
Cash or equivalent	16	18	15	18	21	Slab	36	35	36	45	47
Floor area	100	100	100	100	100	Crawl space	27	20	19	19	20
Under 1,200 sq. ft.	36	25	19	21	24	Heating fuel	100	100	100	100	100
1,200-1,599 sq. ft.	28	30	29	29	29	Electricity	28	49	51	50	50
1,600-1,999 sq. ft.	16	34	23	22	20	Gas	62	40	36	41	41
2,000-2,399 sq. ft.	21	15	15	15	12	Oil	6	9	7	3	2
2,400 sq. ft. and over	11	15	15	15	15	Other	1	2	3	5	7
Average (sq. ft.)	1,500	1,645	1,760	1,740	1,720	Central air-conditioning	100	100	100	100	100
Median (sq. ft.)	1,385	1,535	1,645	1,585	1,550	With	34	48	60	63	65
Number of stories	100	100	100	100	100	Without	66	54	40	37	35
1	74	65	58	60	61	Parking facilities	100	100	100	100	100
2 or more	17	23	31	31	32	Garage	66	67	73	68	67
Split level	10	12	11	8	8	Carport	17	8	7	7	8
Bedrooms	100	100	100	100	100	No garage or carport	25	24	20	24	25
2 or less	13	14	14	17	21						
3	63	65	64	63	60						
4 or more	24	21	23	20	20						

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing* (a joint publication).

No. 1342. NEW PRIVATELY OWNED ONE-FAMILY HOUSES SOLD, BY REGION, TYPE OF FINANCING, AND SALES PRICE: 1970 TO 1981

(In thousands. Based on a national probability sample of monthly interviews with builders or owners of 1-family houses for which building permits have been issued or, for nonpermit areas, on which construction has started. For details, see source. For composition of regions, see fig. 1, inside front cover)

YEAR AND SALES-PRICE GROUP	NUMBER SOLD					FINANCING TYPE			
		North- east	North- Central	South	West	Conven- tional	FHA and VA	Farmers Home Adminis- tration	Cash
1970	485	61	100	203	121	1213	244	(1)	27
1971	656	82	127	270	176	1314	314	(1)	28
1972	718	88	130	306	187	1447	242	(1)	30
1973	834	95	120	257	181	1485	194	(1)	34
1974	518	69	103	207	139	1378	112	(1)	28
1975	549	71	106	222	150	363	122	43	22
1976	646	72	128	247	199	456	134	23	31
1977	819	88	182	317	255	682	166	24	38
1978	817	78	145	331	262	675	174	26	43
1979	708	67	112	304	225	489	186	18	38
1980	545	50	81	287	111	302	198	14	32
1981	438	46	80	219	112	244	142	14	36
Under \$50,000	68	8	18	54	11	28	43	12	6
\$50,000 to \$59,999	70	5	6	41	16	28	37	(8)	5
\$60,000 to \$69,999	69	7	10	34	16	38	28	(8)	5
\$70,000 to \$79,999	51	6	6	24	15	28	18	(8)	4
\$80,000 to \$89,999	63	10	7	28	19	44	14	(8)	6
\$100,000 to \$119,999	31	3	4	14	9	25	(8)	(8)	(8)
\$120,000 and over	65	8	10	24	24	53	(8)	(8)	8

8 Estimate does not meet publication standards. ¹Houses financed by Farmers Home Administration included under conventional financing.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual, and *New One-Family Houses Sold and For Sale*, monthly.

No. 1343. MEDIAN SALES PRICE OF NEW PRIVATELY OWNED ONE-FAMILY HOUSES SOLD, BY REGION: 1965 TO 1981

(In dollars. For definition of median, see Guide to Tabular Presentation)

YEAR	U.S.	North-east	North Central	South	West	YEAR	U.S.	North-east	North Central	South	West
1965	20,000	21,500	21,800	17,500	21,800	1974	36,900	44,100	36,100	34,500	36,800
1966	22,700	25,400	25,100	19,400	24,100	1975	39,300	44,000	39,800	37,300	40,800
1967	24,700	27,700	27,400	21,500	25,100	1976	44,200	47,300	44,800	40,500	47,200
1968	25,800	31,800	27,800	22,800	25,300	1977	48,800	51,800	51,500	44,100	53,500
1969	23,400	30,300	24,400	20,300	24,000	1978	56,700	58,100	59,200	50,300	61,300
1970	25,200	30,800	27,200	22,500	25,500	1979	62,900	65,500	63,900	57,300	69,800
1971	27,000	31,400	29,300	25,800	27,500	1980	64,800	69,500	63,400	58,800	72,300
1972	32,500	37,100	32,800	30,900		1981 ¹	68,900	76,000	65,900	64,400	77,800

¹ 1982, U.S. total: 1st qtr., \$66,400, 2d qtr., \$70,400.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual, and *New One-Family Houses Sold and For Sale*, monthly.

No. 1344. PRICE INDEX—NEW ONE-FAMILY HOUSES SOLD, BY REGION: 1965 TO 1981

[1977 = 100. Based on fixed proportions of ten characteristics of new houses sold in 1977. For composition of regions, see fig. 1, inside front cover]

YEAR	U.S.	North-east	North Central	South	West	YEAR	U.S.	North-east	North Central	South	West
1965	44.4	43.5	45.5	48.1	41.0	1974	73.8	82.9	74.8	77.4	67.8
1966	46.2	45.1	48.1	50.4	42.3	1975	81.7	89.8	82.5	85.1	75.2
1967	47.5	46.1	50.0	51.2	42.7	1976	88.7	93.6	89.9	91.1	84.6
1968	50.0	52.9	53.3	53.4	43.7	1977	100.0	100.0	100.0	100.0	100.0
1969	53.6	57.5	58.2	56.9	47.7	1978	114.5	111.1	114.3	112.2	116.5
1970	55.3	61.5	58.2	58.7	48.8	1979	130.8	126.1	127.9	126.5	136.5
1971	58.3	65.6	60.4	63.3	50.3	1980	145.2	136.5	135.4	144.3	154.2
1972	62.1	70.4	64.2	67.2	53.5	1981 ¹	157.4	149.7	147.2	158.4	164.8
1973	67.5	78.1	69.2	71.7	60.1						

¹ 1982, U.S. total: 1st qtr., 162.9, 2d qtr., 163.6

Source: U.S. Bureau of the Census, *Construction Reports*, series C27, quarterly.

No. 1345. EXISTING ONE-FAMILY HOUSES SOLD AND PRICE, BY REGION: 1970 TO 1981

[Based on data (adjusted and aggregated to regional and national totals) reported by participating real estate multiple listing services. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. 1, inside front cover]

REGION	Unit	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Houses sold, U.S.	1,000	1,812	2,018	2,262	2,334	2,272	2,452	3,002	3,547	3,963	3,701	2,981	2,351
Northeast	1,000	251	311	361	387	354	377	458	480	484	504	364	335
North Central	1,000	501	583	630	674	645	685	843	1,110	1,132	1,050	797	626
South	1,000	568	735	788	847	839	899	1,110	1,254	1,495	1,427	1,154	989
West	1,000	282	389	473	446	434	491	591	703	741	720	547	420
Median sales price, U.S.	\$1,000	23.0	24.8	26.7	28.8	32.0	36.3	38.1	42.9	44.7	55.7	62.2	
Northeast	\$1,000	25.2	27.1	29.8	32.5	35.8	39.3	41.8	44.4	47.9	53.8	60.8	63.7
North Central	\$1,000	20.1	22.1	23.9	25.3	27.7	30.1	32.9	36.7	42.2	47.8	51.9	54.3
South	\$1,000	22.2	24.3	26.4	29.0	32.3	34.8	36.5	39.8	45.1	51.3	58.3	64.4
West	\$1,000	24.3	25.5	28.4	31.0	34.8	39.6	46.1	57.3	65.7	77.4	89.3	95.2

Source: National Association of REALTORS®, Washington, D.C., *Existing Home Sales*, monthly. (Copyright.)

No. 1346. NEW MOBILE HOMES PLACED FOR RESIDENTIAL USE AND AVERAGE SALES PRICE, BY REGION: 1975 TO 1981

[A mobile home is a moveable dwelling, 10 feet or more wide and 35 feet or more long, designed to be towed on its own chassis and without need of a permanent foundation. Excluded are travel trailers, motor homes, and modular housing. Based on a probability sample and subject to sampling variability, see source. For composition of regions, see fig. 1, inside front cover]

REGION	UNITS (1,000)							AVERAGE SALES PRICE (\$1,000)						
	1975	1976	1977	1978	1979	1980	1981	1975	1976	1977	1978	1979	1980	1981
U.S.	229.3	249.6	257.5	279.8	279.8	233.7	229.2	10.6	12.3	14.2	15.8	17.8	19.8	19.8
Northeast	14.7	16.8	16.7	17.4	18.9	12.9	12.0	10.5	11.8	12.9	14.3	15.8	16.5	19.0
North Central	48.5	51.6	50.7	48.5	47.3	32.3	30.1	10.7	11.6	13.5	15.1	16.1	18.6	18.9
South	110.8	114.8	112.5	136.3	145.2	140.3	143.5	9.0	10.8	12.1	13.7	15.6	18.2	18.4
West	55.2	66.5	77.7	77.7	70.5	48.7	43.6	19.6	18.0	18.1	20.6	23.1	25.4	25.4

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

No. 1347. GROSS HOUSING PRODUCT—SUMMARY: 1960 TO 1981

[In billions of dollars. For definition of current and constant dollars, see last, p. 417]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
CURRENT DOLLARS												
Total value of housing output ¹	46.7	69.3	90.3	119.3	132.6	144.5	160.5	179.8	202.5	227.5	256.0	265.1
Percent of GNP ²	9.2	9.2	9.1	9.0	9.2	9.3	9.3	9.4	9.4	9.4	9.6	9.7
Nonfarm housing	44.6	60.6	87.3	116.4	127.9	139.1	154.5	172.5	194.3	217.8	245.5	272.4
Owner-occupied	31.3	42.7	61.9	81.7	91.1	99.5	111.1	124.7	141.2	158.9	181.5	201.7
Tenant-occupied	13.3	18.2	25.0	33.7	36.8	39.5	43.4	47.8	53.1	57.9	64.0	70.7
Farm housing	2.1	2.5	3.0	3.9	4.7	5.4	6.0	7.3	8.2	9.8	11.4	12.7
Less: Intermediate goods and services consumed	7.9	9.1	12.4	17.8	19.9	22.4	25.8	28.2	33.0	37.3	40.1	46.1
Equals: Gross housing product	38.7	54.2	77.9	101.5	112.7	122.1	134.6	151.5	169.5	190.3	216.8	239.0
CONSTANT (1972) DOLLARS												
Total value of housing output ¹	62.0	78.6	98.1	113.9	119.9	123.6	130.1	136.5	145.5	149.6	154.6	157.8
Nonfarm housing	57.8	74.8	94.5	110.5	116.8	120.6	127.1	133.5	140.7	147.0	152.2	156.5
Owner-occupied	40.8	52.5	68.4	78.2	83.1	86.3	91.4	96.8	102.5	108.2	112.6	115.4
Tenant-occupied	17.2	22.3	26.1	32.3	33.5	34.3	35.7	36.8	38.2	38.8	39.4	40.1
Farm housing	4.1	3.9	3.7	3.3	3.3	3.2	3.1	3.0	2.8	2.6	2.4	2.1
Less: Intermediate goods and services consumed	10.6	11.3	13.5	16.9	17.9	19.0	20.9	20.9	22.8	23.6	23.3	24.6
Equals: Gross housing product	51.4	67.3	84.6	97.0	102.0	104.6	109.3	115.6	120.8	125.8	131.3	132.9

¹Equals personal consumption expenditures (see text, pages 415-417) for housing less expenditures for transient hotels, motels, clubs, schools, and other group housing. ²GNP—Gross national product.Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-78*, and *Survey of Current Business*, July 1982.

No. 1348. RESIDENTIAL CAPITAL—STOCKS AND AVERAGE AGE: 1960 TO 1981

[As of Dec. 31. Data based on fixed residential capital formation components of the gross national product. For nonresidential business capital, see table 903. See also *Historical Statistics, Colonial Times to 1970*, series F 528-634 and N 200-223]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
CAPITAL IN CURRENT DOLLARS (bil. dol.)												
Gross stocks ¹	664	766	1,163	1,662	1,662	2,017	2,274	2,627	3,135	3,494	3,851	4,211
Private nonfarm: 1-4 units	552	651	931	1,290	1,448	1,567	1,771	2,052	2,455	2,735	3,014	3,294
5 or more units	48	60	122	206	239	259	292	336	402	452	502	554
Farm (1-4 units)	41	41	52	84	71	75	82	91	108	114	123	131
Private nonhousekeeping	6	7	10	12	14	14	16	18	20	22	23	25
Mobile homes	4	6	15	27	34	37	42	49	57	66	73	78
Public: Federal, State and local	12	17	28	40	46	49	54	62	73	81	90	99
Net stocks ¹	418	514	754	1,267	1,224	1,319	1,484	1,716	2,048	2,261	2,505	2,729
Private nonfarm: 1-4 units	357	426	606	841	840	1,016	1,149	1,336	1,601	1,784	1,961	2,136
5 or more units	26	46	67	155	180	194	216	248	295	330	365	400
Farm (1-4 units)	18	16	22	27	29	31	34	38	44	47	51	54
Private nonhousekeeping	2	3	7	8	8	9	9	10	11	12	12	13
Mobile homes	3	4	10	19	23	24	27	30	34	38	41	43
Public: Federal, State and local	10	13	20	30	34	36	39	43	51	55	60	65
CAPITAL IN CONSTANT (1972) DOLLARS (bil. dol.)												
Gross stocks ¹	841	1,102	1,262	1,409	1,446	1,474	1,511	1,556	1,602	1,644	1,579	1,712
Private nonfarm: 1-4 units	786	905	1,012	1,099	1,121	1,144	1,174	1,211	1,247	1,279	1,308	1,330
5 or more units	66	96	132	175	166	169	193	196	204	211	218	224
Public: Federal, State and local	17	23	28	34	35	35	36	36	38	37	37	38
Farm (1-4 units)	56	56	58	55	55	54	54	54	54	53	53	53
Private nonhousekeeping	7	9	11	11	11	11	10	10	10	10	10	11
Mobile homes	3	6	14	24	27	28	30	32	34	36	37	39
Net stocks ¹	593	711	819	926	960	966	986	1,016	1,046	1,072	1,081	1,107
Private nonfarm: 1-4 units	508	581	657	717	729	742	762	788	814	835	850	862
5 or more units	37	64	95	132	146	142	143	146	150	154	156	161
Farm (1-4 units)	26	25	24	23	23	22	22	22	22	22	22	22
Private nonhousekeeping	3	6	7	7	8	8	8	8	8	8	8	8
Mobile homes	2	4	10	17	18	19	19	20	20	21	21	21
Public: Federal, State and local	14	18	21	25	26	26	25	25	25	25	25	25
AVERAGE AGE² (years)												
Gross stocks	26.0	26.5	25.9	24.9	24.8	24.9	24.9	24.8	24.6	24.6	24.6	24.9
Private nonfarm: 1-4 units	27.6	26.6	26.6	26.2	26.3	26.4	26.3	26.1	25.9	25.9	26.0	26.1
5 or more units	27.9	21.4	18.3	15.7	15.6	16.0	16.4	16.7	16.9	17.1	17.3	17.6
Farm (1-4 units)	45.0	45.5	45.9	46.2	46.0	46.0	46.0	45.8	45.6	45.4	45.3	45.2
Private nonhousekeeping	21.8	16.9	14.6	15.7	16.1	16.5	17.0	17.5	18.1	18.7	19.3	19.9
Mobile homes	4.7	5.0	4.7	4.6	4.9	5.4	5.8	6.2	6.5	6.7	7.1	7.4
Federal	15.0	16.8	19.6	17.2	17.4	18.6	20.2	21.2	21.7	22.7	23.5	24.4
State and local	9.8	11.7	13.2	14.4	15.0	15.7	16.5	17.2	17.6	18.4	18.9	19.3

¹Includes other, not shown separately.²Based on straight-line depreciation.³Constant-dollar stocks.Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1925-78*, and *Survey of Current Business*, August 1982.

Housing Units Summary

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No. 1349. HOUSING UNITS—SUMMARY OF CHARACTERISTICS: 1960 TO 1980

[In thousands, except as indicated. Refers to 243 standard metropolitan statistical areas (SMSA's) as defined in 1970 census reports. For definition of SMSA, see text, Appendix II. For information on methodology, see Appendix III. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	1980	1970				1960			
		Total	Inside SMSA's		Outside SMSA's	Total	Inside SMSA's		Outside SMSA's
			Total	In central cities			Total	In central cities	
All housing units	58,328	68,672	46,299	22,808	22,383	88,207	58,477	25,511	29,730
Northeast	14,798	16,642	13,036	6,212	3,606	19,272	14,524	6,293	4,748
North Central	16,798	18,971	12,206	5,978	6,765	22,800	14,495	6,224	8,305
South	17,173	21,030	11,651	6,168	9,379	29,057	16,156	7,519	12,901
West	9,558	12,029	9,395	4,252	2,634	17,078	13,302	5,475	3,776
All year-round units	56,584	67,699	46,083	22,584	21,616	86,024	57,990	25,452	28,035
Occupied units	53,024	63,445	43,859	21,395	19,586	80,072	54,550	23,832	25,522
Owner occupied	32,797	39,886	26,090	10,300	13,796	52,516	33,586	11,804	18,930
Percent of all occupied	61.9	62.9	59.5	48.1	70.4	65.6	61.6	49.5	74.2
Renter occupied	20,227	23,560	17,769	11,095	5,790	27,558	20,964	12,027	6,592
Vacant year-round	3,560	4,254	2,224	1,189	2,030	5,953	3,440	1,621	2,512
For sale only	522	501	298	130	203	755	485	164	270
Homeowner vacancy rate	1.6	1.2	1.1	1.2	1.5	1.4	1.4	1.5	1.4
For rent	1,453	1,666	1,142	745	524	1,497	1,066	637	409
Rental vacancy rate	6.7	8.8	6.0	6.3	8.3	5.1	4.9	5.0	5.7
Other vacant	1,084	2,087	784	314	1,303	3,701	1,666	800	1,833
Vacant, seasonal and migratory	1,742	973	206	24	766	2,183	488	58	1,695
Cooperatives and condominiums:									
Owner occupied	(NA)	(NA)	(NA)	(NA)	(NA)	1,403	1,313	558	90
Cooperatives	(NA)	(NA)	(NA)	(NA)	(NA)	313	298	219	17
Condominiums	(NA)	(NA)	(NA)	(NA)	(NA)	1,090	1,017	339	73
Vacant for sale only	(NA)	(NA)	(NA)	(NA)	(NA)	137	127	43	10
Units in structure ¹ —									
1-unit	43,758	48,791	29,033	11,430	17,758	58,255	36,083	12,724	22,172
Percent of total units	77.3	69.1	63.0	50.6	82.2	67.7	62.2	50.0	79.1
2-4 units	7,552	9,007	7,184	4,753	1,823	10,816	8,553	5,224	2,283
5 or more units	6,238	9,829	8,934	6,225	895	13,183	11,833	7,283	1,351
Mobile home or trailer	767	2,073	933	176	1,140	3,770	1,522	222	2,248
Year structure built: ¹									
April 1970 or later	(X)	(X)	(X)	(X)	(X)	19,735	12,891	3,833	7,044
1960–March 1970	(X)	16,956	11,849	4,172	5,106	17,624	12,291	4,382	5,333
1950–1959	16,046	14,499	10,708	4,304	3,791	14,043	10,208	3,975	3,836
1940–1949	8,640	8,788	6,147	14,108	2,639	7,945	5,443	2,640	2,502
1939 or earlier	33,632	27,458	17,378		10,080	26,677	17,357	10,622	9,320
Percent built prior to 1940	57.7	40.6	37.7	(NA)	46.6	31.0	29.9	41.7	33.2
Units with ¹ —									
1-3 rooms	11,400	11,028	8,305	5,481	2,725	12,779	9,723	5,978	3,057
4 rooms	12,435	14,113	9,230	4,904	4,883	16,726	11,159	5,308	5,567
5 rooms	14,323	16,998	11,233	5,286	5,765	20,481	13,087	5,594	7,415
6 rooms	11,141	13,609	9,271	4,076	4,338	17,412	11,499	4,726	5,913
7 or more rooms	9,020	11,950	8,044	2,856	3,908	18,625	12,542	3,847	6,084
Median number of rooms	4.9	5.0	5.0	4.7	5.1	5.1	5.1	4.8	5.2
Persons per unit (median):									
Owner occupied	3.1	3.0	3.1	2.6	2.7	2.6	2.7	2.4	2.5
Renter occupied	2.6	2.3	2.2	2.1	2.6	2.0	2.0	1.9	2.1
Units lacking some or all plumbing facilities ¹	7,899	4,398	1,494	716	2,904	2,359	610	364	1,549
Percent	13.2	6.5	3.2	3.2	13.4	2.7	1.4	1.4	5.5
Percent of units with—									
Telephone ²	78.5	87.0	69.1	66.5	82.2	91.7	92.5	89.9	89.9
Air conditioning ¹	12.4	36.7	39.7	38.2	30.0	57.3	58.5	54.9	54.5
Central system ¹	1.9	10.7	12.3	11.0	7.5	26.2	27.6	22.6	22.9
One or more automobiles ²	78.4	82.5	81.4	71.6	85.0	(NA)	(NA)	(NA)	(NA)
Public sewer ¹	(NA)	70.2	82.1	96.2	47.9	73.4	84.8	97.6	49.7
Public or private company water ¹	(NA)	81.7	91.0	99.0	61.7	83.6	92.0	99.2	86.9
Basement ¹	54.0	50.9	55.5	58.3	41.1	(NA)	(NA)	(NA)	(NA)
Second home owner ²	(NA)	4.6	4.5	4.2	4.7	(NA)	(NA)	(NA)	(NA)

NA Not available. X Not applicable. ¹For 1980, all housing units, based on a complete count, but tabulated on a 20-percent sample basis. For 1970 and 1960, all year-round units. For 1960, air conditioning based on occupied housing units. ²Occupied housing units.

Source: U.S. Bureau of the Census, *U.S. Census of Housing: 1960*, vol. I, and *Current Housing Reports*, series H-150-80, Annual Housing Survey, part A, *General Housing Characteristics for the United States and Regions*.

No. 1350. HOUSING UNITS, BY GEOGRAPHIC REGIONS: 1960 TO 1980

[In thousands, except percent. See headnote, table 1349. For composition of regions, see fig. 1, inside front cover]

YEAR AND LOCATION	TOTAL					PERCENT DISTRIBUTION				
	U.S.	North-east	North Central	South	West	U.S.	North-east	North Central	South	West
1960, total.....	58,328	14,798	16,798	17,173	9,558	100.0	100.0	100.0	100.0	100.0
Inside SMSA's.....	38,633	11,834	10,514	9,052	7,233	66.2	80.0	62.6	52.7	75.7
Central cities.....	20,440	6,005	5,695	5,208	3,531	35.0	40.6	33.9	30.3	36.9
Not in central cities.....	18,193	5,829	4,818	3,844	3,701	31.2	39.4	28.7	22.4	38.7
Outside SMSA's.....	19,693	2,964	6,284	8,121	2,325	33.8	20.0	37.4	47.3	24.3
1970, total.....	68,672	16,642	18,971	21,030	12,029	100.0	100.0	100.0	100.0	100.0
Inside SMSA's.....	48,289	13,036	12,208	11,651	9,395	67.4	78.3	64.3	55.4	78.1
Central cities.....	22,606	6,212	5,976	6,168	4,252	32.9	37.3	31.5	29.3	35.3
Not in central cities.....	23,661	6,824	6,228	5,488	5,143	34.5	41.0	32.8	26.1	42.8
Outside SMSA's.....	22,383	3,606	6,765	9,379	2,634	32.6	21.7	35.7	44.6	21.9
1980, total.....	88,207	19,272	22,800	29,057	17,078	100.0	100.0	100.0	100.0	100.0
Inside SMSA's.....	58,477	14,524	14,495	16,156	13,302	66.3	75.4	63.6	55.6	77.9
Central cities.....	25,511	6,293	6,224	7,519	5,475	28.9	32.7	27.3	25.9	32.1
Not in central cities.....	32,967	8,231	8,271	8,637	7,827	37.4	42.7	36.3	29.7	45.8
Outside SMSA's.....	29,730	4,748	8,305	12,901	3,776	33.7	24.6	36.4	44.4	22.1

No. 1351. YEAR-ROUND HOUSING UNITS—TENURE AND RACE: 1960 TO 1980

[In thousands. See headnote, table 1349]

ITEM	Total	OWNER OCCUPIED			RENTER OCCUPIED			VACANT YEAR-ROUND	
		Total	Black	White and other	Total	Black	White and other	Total	For rent
1960, total.....	56,551	32,795	1,811	30,984	20,226	2,979	17,246	3,531	1,882
Lacking some or all plumbing.....	8,992	3,470	644	2,826	4,315	1,363	2,952	1,208	489
Inside SMSA's.....	37,939	21,311	1,166	20,125	14,556	2,182	12,374	2,072	1,068
In central cities.....	20,147	9,141	852	8,289	9,942	1,862	8,080	1,064	720
Not in central cities.....	17,792	12,170	334	11,836	4,614	320	4,295	1,008	368
Outside SMSA's.....	18,612	11,484	625	10,858	5,670	797	4,872	1,459	504
1970, total.....	67,699	39,699	2,588	37,319	23,560	3,607	19,953	4,254	1,888
Lacking some or all plumbing.....	4,672	1,809	386	1,423	1,963	656	1,308	900	236
Inside SMSA's.....	46,083	26,090	1,825	24,265	17,769	2,913	14,856	2,224	1,142
In central cities.....	22,584	10,300	1,335	8,965	11,095	2,498	8,597	1,189	745
Not in central cities.....	23,499	15,790	490	15,300	6,674	416	6,259	1,035	397
Outside SMSA's.....	21,616	13,798	742	13,054	5,790	693	5,097	2,030	524
1980, total.....	86,024	52,516	3,776	48,740	27,556	4,827	22,729	5,953	1,497
Lacking some or all plumbing.....	2,359	765	184	581	988	343	645	607	108
Inside SMSA's.....	57,990	33,586	2,724	30,862	20,964	4,045	16,919	3,440	1,068
In central cities.....	25,452	11,804	1,866	9,938	12,027	3,208	8,819	1,621	637
Not in central cities.....	32,537	21,782	858	20,924	8,936	837	8,099	1,819	450
Outside SMSA's.....	28,035	18,930	1,052	17,878	6,592	782	5,810	2,512	409

Source of tables 1350 and 1351: U.S. Bureau of the Census, *Census of Housing, 1970*, vol. VI and *Current Housing Reports*, series H-150, Annual Housing Survey: 1980, part A, *General Housing Characteristics for the United States and Regions*.

No. 1352. OCCUPIED HOUSING UNITS—PERCENT OF HOME OWNERSHIP, BY RACE OF HOUSEHOLD HEAD, INSIDE AND OUTSIDE SMSA'S, BY REGION: 1960 TO 1980

[See headnote, table 1349. For composition of regions, see fig. 1 inside front cover]

YEAR AND REGION	TOTAL		INSIDE SMSA'S						OUTSIDE SMSA'S	
	White	Black ¹	Total		In central cities		Not in central cities		White	Black ¹
			White	Black ¹	White	Black ¹	White	Black ¹		
1960: United States.....	64.4	38.4	82.1	35.7	51.1	31.7	73.4	51.6	69.0	44.6
Northeast.....	58.1	27.0	55.5	26.4	37.5	22.3	72.6	46.7	70.0	42.0
North Central.....	69.1	35.8	67.3	34.2	56.0	31.4	79.2	56.5	72.0	54.3
South.....	66.4	41.6	65.9	39.7	60.5	35.9	72.3	51.3	67.1	43.6
West.....	82.5	44.6	61.6	42.5	55.0	38.4	67.7	54.0	65.5	54.6
1970: United States.....	65.4	41.6	62.3	38.5	51.3	34.8	71.1	54.1	72.1	51.7
Northeast.....	60.4	28.8	57.4	28.1	38.8	24.2	71.7	47.3	72.1	42.6
North Central.....	70.2	42.0	67.8	41.3	56.5	38.9	76.5	58.8	74.4	56.3
South.....	66.2	46.9	65.3	43.4	59.5	39.1	70.7	57.3	71.9	52.0
West.....	60.2	40.1	58.6	40.0	52.0	36.6	63.6	49.6	66.1	42.1
1980: United States.....	68.7	43.9	65.1	40.2	53.7	36.8	72.4	50.6	75.7	57.4
Northeast.....	64.0	32.7	60.9	32.4	41.7	28.8	72.7	45.7	74.5	36.3
North Central.....	73.0	42.7	71.1	42.1	60.7	39.6	77.1	54.2	78.1	51.5
South.....	72.2	50.0	67.3	44.5	57.9	39.8	73.9	56.4	78.2	59.5
West.....	62.6	37.0	60.9	36.7	54.6	38.4	65.0	37.4	66.6	43.5

¹ For 1960, represents Black and other races.

Source: U.S. Bureau of the Census, *Census of Population and Housing: 1970*, PHC(2), *General Demographic Trends for Metropolitan Areas, 1960 to 1970*; and *Current Housing Reports*, series H-150-80, Annual Housing Survey: 1980, part A.

No. 1353. SELECTED CHARACTERISTICS OF OCCUPIED UNITS: 1960 TO 1980

[Percent distribution. As of April]

CHARACTERISTIC	OCCUPIED, 1960 ¹			OCCUPIED, 1970 ¹			OCCUPIED, 1980 ¹		
	Total	Owner	Renter	Total	Owner	Renter	Total	Owner	Renter
Rooms in unit:									
1-2 rooms.....	6	23	14	4	17	10	5	1	12
3-4 rooms.....	32	51	51	28	51	51	29	15	53
5 rooms.....	26	29	19	26	28	21	23	25	19
6 rooms.....	20	26	10	22	27	11	20	26	10
7 rooms or more.....	16	22	6	20	28	7	23	33	6
Units in structure:									
1 unit.....	76	94	48	74	94	38	70	92	32
2-4 units.....	13	25	25	14	29	29	12	5	24
5-9 units.....	11	6	9	4	6	11	18	3	44
10 units or more.....		18	8		22				
With all plumbing facilities.....	84	89	77	95	97	91	97	99	96
Year structure built:									
1975 or later.....	(x)	(x)	(x)	(x)	(x)	(x)	13	14	10
1970-1974.....	(x)	(x)	(x)	(x)	(x)	(x)	13	13	14
1960-1969.....	(x)	(x)	(x)	24	26	19	20	20	20
1950-1959.....	27	34	16	19	24	12	18	19	15
1940-1949.....	15	16	13	14	14	13	11	10	13
1939 or earlier.....	58	50	71	43	36	56	25	24	28

X Not applicable. ¹ As of April 1.

Source: U.S. Bureau of the Census, *Census of Housing, 1960 and 1970*; and *1980 Census of Population and Housing*, series PHC 80-S1-1.

No. 1354. OCCUPIED HOUSING UNITS—FINANCIAL SUMMARY: 1970 AND 1980

[In thousands, except as indicated. See headnote, table 1349. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	1970					1980				
	Total	Inside SMSA's			Outside SMSA's	Total	Inside SMSA's			Outside SMSA's
		Total	In central cities	Not in central cities			Total	In central cities	Not in central cities	
Occupied units, total.....	63,445	43,859	21,395	22,464	19,586	80,072	54,550	23,832	30,718	25,522
Median income:										
Owner occupied (dol.).....	9,700	11,000	10,100	11,600	7,500	19,800	22,200	19,500	23,500	16,100
Renter occupied (dol.).....	6,300	6,700	6,100	7,700	5,300	10,500	10,900	9,800	12,400	9,100
Specified owner occupied ¹	31,726	22,059	8,543	13,516	9,667	41,945	28,246	9,844	18,402	13,700
With value of—										
Less than \$20,000.....	19,556	11,963	5,608	6,356	7,594	3,397	1,517	930	587	1,880
\$20,000-\$24,999.....	4,680	3,740	1,214	2,526	940	1,900	941	543	398	960
\$25,000-\$34,999.....	4,444	3,709	1,044	2,665	736	5,320	2,878	1,428	1,451	2,442
\$35,000-\$49,999.....	2,050	1,760	444	1,316	289	9,711	6,100	2,308	3,793	3,611
\$50,000-\$74,999.....										
\$75,000 and over.....	997	887	234	653	110	21,616	16,608	4,634	12,173	4,608
Median—										
Value (dol.).....	17,100	19,000	16,400	20,800	12,200	51,300	57,700	48,000	62,700	41,100
Real estate taxes ² (dol.).....	(NA)	(NA)	(NA)	(NA)	(NA)	460	582	456	657	261
Units monthly costs ³ —										
With mortgages (dol.).....	(NA)	(NA)	(NA)	(NA)	(NA)	367	387	342	412	321
Owned clear (dol.).....	(NA)	(NA)	(NA)	(NA)	(NA)	131	144	132	154	113
Specified renter occupied ⁴	22,334	17,433	11,033	6,401	4,900	26,874	20,810	12,022	8,788	6,065
With gross rent of—										
Less than \$80.....	5,466	3,499	2,619	879	1,968	1,259	864	666	198	396
\$80-\$99.....	3,701	2,879	2,099	779	822	731	459	319	139	272
\$100-\$119.....	3,332	2,739	1,845	894	592	2,487	1,641	1,167	474	847
\$120-\$149.....	3,772	3,283	1,987	1,316	485					
\$150-\$199.....	3,304	2,986	1,525	1,461	318	4,118	2,864	1,990	894	1,234
\$200-\$299.....	1,194	1,110	547	563	84	9,472	7,626	4,605	3,023	1,844
\$300 and over.....	265	254	145	108	12	7,492	6,638	2,995	3,643	855
No cash rent.....	1,300	685	284	400	615	1,313	696	279	417	617
Median rent.....	\$108	\$114	\$107	\$130	\$84	241	254	234	263	196

NA Not available. ¹ Includes only 1-family homes on less than 10 acres and no business on the property. ² Taxes paid previous year. ³ Covers real estate taxes, property insurance, utilities, fuel, water, garbage and trash collection, and mortgage. ⁴ Excludes 1-family homes on 10 acres or more.

Source: U.S. Bureau of the Census, *Current Housing Reports*, H-150-80 Annual Housing Survey: 1980 part A, *General Housing Characteristics for the United States and Regions*.

No. 1355. HOUSING UNITS—

[As of April 1. House heating fuel based on provisional

STATE	Total housing units (1,000)	YEAR-ROUND HOUSING UNITS										
		Total (1,000)	Percent with—							Occupied housing units		
			Structure built		5 or more units in structure	Source of water by public system or private company	Public sewer	Central heating system	Air conditioning	Total (1,000)	Percent—	
			1970 to March 1980	1930 or earlier							Owner occupied units	With 1.01 or more persons per room
U.S.	98,411	98,769	26.9	26.1	17.5	83.9	74.4	68.8	54.8	80,390	64.4	4.5
Ala.	1,467	1,450	30.9	18.3	9.1	79.9	53.2	63.9	70.7	1,342	70.1	5.4
Alaska	163	154	52.7	4.7	22.1	70.0	68.0	80.2	.9	131	58.3	10.1
Ariz.	1,111	1,086	48.8	5.6	16.3	95.2	81.2	84.8	71.1	957	86.3	7.2
Ark.	899	899	32.9	17.3	7.2	74.2	57.9	60.3	71.3	816	70.5	5.2
Calif.	9,279	9,220	27.2	14.7	24.0	95.6	89.5	82.9	40.1	8,630	55.9	7.4
Colo.	1,194	1,169	39.1	18.0	21.4	91.9	67.2	91.4	30.7	1,081	84.5	2.8
Conn.	1,159	1,144	18.1	32.0	17.5	78.6	68.3	90.8	48.5	1,094	83.9	2.6
Del.	239	230	25.7	20.8	18.7	76.9	74.8	87.9	64.6	207	89.1	2.6
D.C.	277	277	7.0	39.1	52.7	99.9	99.3	92.3	67.1	253	36.5	8.1
Fla.	4,379	4,270	43.9	6.7	23.7	86.4	71.9	77.0	84.0	3,744	88.3	5.3
Ga.	2,028	2,013	33.3	14.7	14.0	78.7	60.3	70.0	66.0	1,872	85.0	5.3
Hawaii	334	332	38.9	10.5	39.1	86.5	81.5	8.0	18.1	294	51.7	15.3
Idaho	375	360	38.4	21.9	8.8	72.6	63.7	76.8	32.1	324	72.0	4.5
Ill.	4,320	4,309	19.4	34.7	22.3	89.1	84.9	92.3	66.3	4,045	82.6	4.2
Ind.	2,092	2,063	22.0	32.1	10.8	72.4	65.9	86.7	58.8	1,927	71.7	3.1
Iowa	1,131	1,121	20.5	44.4	10.2	78.2	74.1	91.8	66.0	1,053	71.6	2.1
Kans.	955	950	22.7	33.6	9.7	86.8	79.1	86.4	78.4	872	70.2	2.4
Ky.	1,399	1,355	28.7	24.7	10.1	74.1	54.3	73.8	61.7	1,263	70.0	4.7
La.	1,546	1,536	30.8	15.9	11.1	86.4	71.7	66.8	82.2	1,412	65.5	7.1
Maine	501	427	23.2	47.5	10.0	61.0	50.0	78.4	10.8	395	70.9	3.1
Md.	1,571	1,549	23.6	22.4	22.4	82.8	79.9	90.8	70.1	1,461	82.0	3.1
Mass.	2,206	2,140	15.4	47.3	20.5	83.6	73.9	89.5	38.9	2,033	57.5	2.6
Mich.	3,590	3,446	22.1	27.6	12.5	72.5	71.4	91.2	34.3	3,195	72.7	3.1
Minn.	1,813	1,529	25.2	33.3	17.3	74.3	74.8	90.8	48.7	1,445	71.7	2.3
Miss.	912	904	32.5	15.6	6.0	81.7	56.5	54.4	69.9	827	71.0	6.0
Mo.	1,989	1,981	23.9	29.4	11.4	82.6	72.3	83.3	70.1	1,783	89.8	3.4
Mont.	326	315	30.7	30.3	9.9	70.8	63.8	78.1	19.7	294	88.8	3.8
Nebr.	625	619	23.8	38.9	12.3	81.5	79.7	89.5	77.0	571	88.4	2.1
Nev.	340	337	51.8	5.7	23.2	82.4	67.3	66.9	69.9	304	59.6	4.7
N.H.	366	349	27.5	39.0	14.3	66.1	52.3	81.6	24.3	323	67.8	2.4
N.J.	2,772	2,686	18.1	33.4	20.9	89.5	86.5	94.0	64.7	2,549	82.0	3.5
N. Mex.	508	493	36.5	11.8	12.2	84.1	73.3	74.3	80.0	441	88.1	8.6
N.Y.	8,998	8,999	11.9	43.3	35.8	89.3	78.7	93.2	41.1	8,340	48.6	4.9
N.C.	2,275	2,223	32.0	17.3	8.5	59.6	46.8	70.0	59.6	2,043	88.4	4.5
N. Dak.	259	253	30.9	34.9	14.3	76.2	72.2	90.8	40.2	226	88.7	2.7
Ohio	4,106	4,077	20.0	32.8	14.1	81.4	78.2	91.5	47.4	3,834	88.4	2.5
Okla.	1,237	1,229	30.0	20.2	10.1	86.0	73.9	73.3	81.5	1,119	70.7	3.7
Oreg.	1,083	1,071	34.2	20.6	15.1	81.0	68.8	77.4	18.8	982	85.1	2.9
Pa.	4,595	4,509	18.4	44.6	12.2	80.1	74.5	91.4	41.4	4,220	89.9	2.4
R.I.	373	363	16.1	43.0	18.4	80.5	68.4	86.4	31.8	339	58.6	2.5
S.C.	1,154	1,121	34.4	15.2	8.4	72.4	53.1	87.2	66.0	1,030	70.2	6.0
S. Dak.	277	269	26.8	40.7	11.2	76.0	70.5	84.5	58.1	243	89.3	3.6
Tenn.	1,747	1,737	31.1	18.7	11.5	81.5	56.4	89.5	74.0	1,619	86.6	4.4
Tex.	5,549	5,480	35.2	12.2	18.4	90.5	81.3	70.1	83.2	4,929	84.3	7.2
Utah	490	481	37.7	18.8	12.5	86.3	87.7	92.1	48.8	449	70.7	5.6
Vt.	223	196	24.4	46.9	9.4	57.9	46.7	74.7	9.8	176	86.7	2.5
Va.	2,021	1,999	30.9	17.7	16.2	73.5	65.8	79.2	64.8	1,883	85.8	3.4
Wash.	1,898	1,850	32.0	21.3	17.2	86.7	87.7	87.0	14.8	1,541	85.6	2.9
W. Va.	748	736	24.9	34.2	6.2	70.3	51.7	70.7	36.5	696	73.6	4.1
Wis.	1,864	1,753	23.1	36.6	12.3	89.7	71.9	90.1	37.4	1,652	86.2	2.4
Wyo.	186	182	40.4	22.8	10.0	81.3	78.1	86.1	19.8	166	89.2	4.2

¹Represents housing units that do not have all three specified plumbing facilities (hot and cold piped water, a flush toilet, and a bathtub or shower) inside the unit for the exclusive use of the occupants. ²"Specified owner-occupied" housing units include one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. ³Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, or similar debts on the property; real estate taxes; fire and hazard insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.).

SELECTED CHARACTERISTICS, BY STATES: 1980

data from the Early National Sample; see text, p. 2 and Appendix III

YEAR-ROUND HOUSING UNITS												
Occupied housing units												
Percent						Median value (dollars) speci- fied owner ¹	Median selected monthly owner costs ² (dollars) specified owner ¹		Median gross rent (dol- lars) speci- fied renter ²	Vacancy rate		STATE
Lack- ing com- plete plumb- ing for sewage use ¹	House- holder moved into unit 1979 to March 1980	1 or more vehic- les availa- ble	House heating fuel				With a mort- gage	Not mort- gaged		Home- owner	Rental	
			Utility gas	Elec- tricity	Fuel oil, kero- sene, etc.							
2.2	22.8	87.2	68.3	18.4	18.1	47,300	385	128	242	1.8	7.1	U.S.
4.2	20.8	88.2	64.8	26.2	.5	33,800	295	104	188	1.8	8.3	Ala.
10.4	38.6	88.3	36.4	14.8	38.7	75,300	640	181	308	3.6	15.4	Alaska.
2.1	32.5	83.2	60.7	35.0	.2	54,800	365	108	283	2.8	11.6	Ariz.
4.2	23.1	88.9	71.9	18.9	1	31,100	280	98	185	1.8	8.8	Ark.
1.2	28.0	88.9	81.2	15.7	.2	84,500	411	98	283	2.3	5.1	Calif.
1.3	33.0	92.7	87.1	9.8	.5	64,100	422	125	252	3.0	8.8	Colo.
1.3	18.1	89.2	23.0	11.1	63.4	65,800	434	204	261	1.2	4.7	Conn.
1.7	21.1	90.1	30.4	11.8	55.7	44,400	351	148	247	1.7	9.2	Del.
2.1	20.1	82.2	81.2	9.0	29.1	68,800	399	159	228	4.0	5.9	D.C.
1.1	26.6	88.9	22.5	81.5	10.9	45,100	337	101	258	2.4	9.8	Fla.
3.2	23.9	88.0	72.7	18.4	2.2	38,800	340	107	211	1.7	7.9	Ga.
2.2	26.8	88.6	5.8	4.6	.3	118,100	483	110	311	1.4	10.9	Hawaii
1.4	26.8	94.7	30.9	38.8	18.8	45,800	332	102	219	2.3	11.4	Idaho.
1.7	20.8	84.1	87.1	7.1	4.7	52,800	406	152	248	1.8	8.9	Ill.
1.6	21.0	91.0	67.9	16.8	12.2	37,200	304	118	218	1.6	8.5	Ind.
1.7	20.8	91.7	79.5	8.8	10.3	40,800	348	139	225	1.6	7.3	Iowa.
1.2	24.0	92.9	89.0	7.8	.4	37,800	330	108	219	2.3	9.2	Kans.
6.5	21.2	87.3	58.7	23.0	8.0	34,200	286	103	188	1.4	8.1	Ky.
2.4	23.2	86.1	75.7	22.4	.1	43,000	313	96	214	1.5	8.1	La.
4.9	20.1	88.7	2.8	10.8	71.1	37,800	317	144	218	1.7	7.1	Maine.
1.9	20.6	88.5	48.1	13.5	35.8	58,300	413	148	286	1.5	5.5	Md.
1.5	18.2	83.5	33.5	10.3	53.8	48,400	424	225	256	1.0	5.1	Mass.
1.3	20.0	90.3	80.0	5.0	12.8	39,000	383	180	250	1.4	7.3	Mich.
2.1	21.8	90.2	86.9	8.0	22.2	53,100	375	132	236	1.5	5.8	Minn.
5.9	20.4	86.9	86.2	24.7	.2	31,400	284	98	180	1.3	8.2	Miss.
2.1	21.3	88.7	79.4	12.0	3.3	38,700	317	118	211	2.0	9.0	Mo.
2.3	27.8	92.7	88.1	15.8	5.9	48,500	347	109	200	1.9	11.0	Mont.
1.2	22.9	91.4	84.3	9.3	4.7	38,000	359	120	213	2.0	7.9	Nebr.
1.2	37.7	93.2	53.1	38.7	7.1	68,700	454	136	310	3.6	10.2	Nev.
2.5	22.0	91.1	15.0	12.8	80.5	48,000	408	189	251	1.7	6.1	N.H.
1.8	18.7	85.2	45.4	7.5	48.0	60,200	458	218	270	1.4	4.8	N.J.
3.8	29.5	82.5	86.1	7.0	.4	45,300	324	98	216	2.1	11.0	N. Mex.
2.5	17.1	87.5	39.1	4.8	53.7	45,800	430	198	249	1.2	4.1	N.Y.
4.1	20.8	89.2	22.0	28.9	40.1	38,000	319	111	205	1.5	7.8	N.C.
2.5	24.8	92.8	52.0	17.2	27.8	43,900	392	133	206	2.6	8.9	N. Dak.
1.7	20.2	89.3	73.9	13.8	8.8	44,800	347	133	224	1.5	7.7	Ohio.
1.4	28.4	92.2	80.0	15.4	1	35,800	305	90	214	2.3	10.8	Okla.
1.4	29.8	91.1	25.4	42.0	18.2	58,800	371	125	257	2.0	7.4	Oreg.
1.8	15.8	83.4	49.9	10.4	34.3	39,100	336	141	225	1.4	8.8	Pa.
1.7	19.8	88.4	33.5	8.3	57.9	48,800	391	192	222	1.1	7.5	R.I.
4.1	20.8	87.8	38.8	31.0	23.4	35,100	312	112	206	1.6	8.9	S.C.
2.7	23.5	92.8	58.5	15.4	22.8	38,800	352	136	188	2.1	10.1	S. Dak.
3.7	22.0	88.6	33.3	48.9	3.8	35,800	299	103	203	1.7	7.9	Tenn.
1.9	28.1	92.2	72.8	25.9	1	39,100	348	101	245	2.5	10.9	Tex.
.9	28.8	94.0	82.5	10.2	2.9	57,300	381	116	235	2.8	7.8	Utah.
2.7	21.8	89.7	11.1	9.8	61.3	42,200	335	185	228	1.5	8.2	Vt.
4.2	23.3	89.3	32.8	25.3	34.2	48,000	385	128	259	1.7	8.5	Va.
1.2	29.0	81.3	34.0	52.8	18.4	59,900	382	106	254	2.1	7.3	Wash.
5.7	18.0	88.3	81.1	18.7	10.5	38,500	290	93	195	1.3	7.2	W. Va.
1.9	20.7	89.5	65.9	8.5	25.0	48,800	381	180	234	1.3	5.0	Wis.
1.8	34.2	95.8	83.8	10.9	1.1	59,800	397	97	252	2.2	9.7	Wyo.

¹"Gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are paid for by the renter (or paid for the renter by someone else) in addition to rent.

²"Specified renter-occupied" housing units include renter-occupied units except one-family houses on 10 or more acres.

Sources: U.S. Bureau of the Census, 1980 Census of Housing, HC80-1-A, General Housing Characteristics; 1980 Census of Population and Housing PHC80-3, Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas; and 1980 Census of Population and Housing, Supplementary Report, series PHC 80-81-1.

No. 1356. HOUSING UNITS—CHARACTERISTICS FOR SELECTED CITIES: 1980

(As of April. Cities ranked by size of population enumerated as of April 1, 1980, except Honolulu, ranked by county population)

CITIES	Total housing units (1,000)	YEAR-ROUND HOUSING UNITS										
		Total (1,000)	Percent with—			Occupied housing units						
			Structure built		5 or more units in structure	Percent—			Median value (dollars) specified owner ¹	Median selected monthly owner costs ² (dollars)	Median gross rent ³ (dollars) specified renter ⁴	
			1970 to March 1980	1939 or earlier		Total (1,000)	Owner occupied units	With 1.01 or more persons per room				
			1970 to March 1980	1939 or earlier		Total (1,000)	Owner occupied units	With 1.01 or more persons per room				
New York, N.Y.	2,946	2,941	7.3	■	64.6	2,789	23.4	8.2	17.1	52,220	441	246
Chicago, Ill.	1,175	1,174	5.9	51.8	41.7	1,063	36.9	8.1	21.0	47,200	371	231
Los Angeles, Calif.	1,169	1,169	13.6	22.7	40.9	1,135	40.3	13.0	25.9	56,100	420	262
Philadelphia, Pa.	696	695	5.5	56.4	16.0	620	31.0	4.2	15.4	23,500	299	217
Houston, Tex.	678	676	36.5	8.4	39.8	608	47.8	7.7	35.6	49,100	378	276
Detroit, Mich.	471	471	3.2	45.6	16.7	433	57.9	4.8	18.6	20,800	320	216
Dallas, Tex.	390	290	28.1	9.8	37.6	355	48.6	6.6	34.1	43,900	336	257
San Diego, Calif.	342	342	32.8	13.0	28.2	321	49.1	5.9	33.8	69,800	416	274
Phoenix, Ariz.	308	307	39.7	4.6	22.4	286	64.7	5.8	32.8	54,100	357	279
Baltimore, Md.	303	302	5.8	50.3	20.7	281	47.2	5.0	18.6	26,700	293	214
San Antonio, Tex.	278	278	25.9	14.1	20.8	259	59.5	10.5	28.4	27,300	263	208
Honolulu, Hawaii	252	251	35.2	8.4	41.5	230	49.9	15.5	27.4	129,500	484	315
Indianapolis, Ind.	283	283	19.8	25.9	22.3	260	58.9	3.3	25.5	35,100	300	228
San Francisco, Calif.	317	316	6.6	57.7	43.0	299	33.7	7.3	25.6	103,600	394	286
Memphis, Tenn.	244	244	20.5	13.6	22.7	230	56.3	5.6	24.5	35,200	275	196
Washington, D.C.	277	277	7.0	39.1	52.7	253	35.5	8.1	20.1	66,800	398	226
San Jose, Calif.	217	217	39.1	7.3	18.6	210	62.1	6.8	30.7	96,100	479	325
Milwaukee, Wis.	253	253	9.7	41.7	22.9	242	47.2	3.4	24.5	45,500	359	238
Cleveland, Ohio	240	239	4.4	67.7	22.0	218	48.2	3.3	20.2	30,400	307	196
Columbus, Ohio	237	237	24.0	24.4	26.6	217	48.8	2.7	30.4	41,300	333	225
Boston, Mass.	241	241	7.2	63.0	42.6	218	27.2	5.2	■	36,000	407	251
New Orleans, La.	226	226	12.3	37.5	18.5	206	39.7	8.6	23.4	50,400	344	210
Jacksonville, Fla.	214	213	28.5	11.7	19.5	197	62.6	4.4	26.9	31,700	327	240
Seattle, Wash.	230	230	10.0	40.3	33.3	219	51.0	2.8	27.2	66,100	331	251
Denver, Colo.	228	228	19.7	29.4	36.6	212	50.2	3.3	33.3	62,000	379	242
Nashville-Davidson, Tenn.	179	179	27.4	14.2	26.0	170	56.4	3.6	26.5	43,800	307	243
St. Louis, Mo.	202	202	3.7	60.6	21.2	178	45.2	8.9	19.4	26,100	283	186
Kansas City, Mo.	192	192	12.8	36.5	26.3	175	57.9	3.2	23.7	34,600	301	215
El Paso, Tex.	134	134	34.6	11.2	25.0	128	59.2	12.4	29.0	39,000	281	196
Atlanta, Ga.	179	179	12.6	21.0	39.8	163	41.3	6.3	26.0	31,800	335	195
Pittsburgh, Pa.	179	179	4.8	63.3	26.2	166	51.2	2.5	18.2	31,500	292	216
Oklahoma City, Okla.	177	177	27.0	16.0	19.7	160	63.2	3.5	29.5	40,100	320	■
Cincinnati, Ohio	173	173	9.3	48.3	36.1	158	38.6	4.7	27.1	40,800	332	190
Fort Worth, Tex.	156	156	19.1	16.9	17.4	144	61.1	5.1	27.9	32,200	280	231
Minneapolis, Minn.	169	169	9.2	56.9	34.2	162	49.2	2.0	28.5	52,600	355	227
Portland, Oreg.	166	166	11.3	46.4	26.8	159	53.3	2.5	28.1	52,900	■	245
Long Beach, Calif.	160	160	10.8	23.6	36.3	152	42.9	7.4	30.9	61,900	360	263
Tulsa, Okla.	156	156	28.2	14.7	20.8	145	61.2	2.5	31.4	45,400	325	248
Buffalo, N.Y.	156	156	2.7	73.0	14.4	141	44.6	2.1	21.4	22,300	290	196
Toledo, Ohio	143	143	14.2	41.6	18.1	133	63.3	2.2	21.7	37,800	329	227
Miami, Fla.	146	145	20.6	16.3	45.6	134	34.1	19.9	26.2	47,500	318	227
Baton Rouge, La.	84	84	24.6	10.5	25.5	79	54.0	5.6	28.5	52,200	309	236
Austin, Tex.	147	146	41.5	8.1	32.8	134	45.9	5.4	42.6	47,300	393	266
Oakland, Calif.	150	150	7.9	41.0	32.2	142	42.9	6.7	25.2	66,800	336	231
Albuquerque, N. Mex.	133	133	41.2	6.1	22.9	124	60.8	4.3	33.5	56,100	358	■
Tucson, Ariz.	137	136	34.0	7.5	23.4	126	59.8	5.9	33.6	50,300	307	244
Newark, N.J.	121	121	6.3	47.4	48.0	111	21.1	12.3	20.7	31,600	424	214
Charlotte, N.C.	124	124	27.2	10.5	23.6	118	54.7	4.0	28.0	46,800	352	245
Omaha, Nebr.	125	125	12.3	33.7	23.6	118	61.3	2.6	22.8	34,400	334	213
Louisville, Ky.	126	126	7.3	41.7	21.6	117	56.3	4.3	20.7	26,900	256	182
Birmingham, Ala.	115	114	14.3	27.7	24.2	107	53.3	5.5	21.4	■	276	■
Wichita, Kans.	117	117	20.6	19.8	17.1	110	59.7	3.2	30.3	■	318	244
Sacramento, Calif.	123	123	23.4	19.4	22.0	113	56.4	4.4	29.2	54,800	296	213
Tampa, Fla.	114	114	18.8	17.3	21.1	106	61.1	5.2	25.2	30,600	278	211
St. Paul, Minn.	111	111	11.2	49.5	30.8	106	55.7	2.6	23.9	51,700	362	227
Norfolk, Va.	96	95	16.1	21.0	23.9	88	43.9	5.1	30.0	39,100	349	231
Virginia Beach, Va.	92	91	51.2	2.5	17.4	85	64.2	2.0	33.3	58,500	464	311
Rochester, N.Y.	108	108	6.0	62.7	29.0	95	48.1	2.7	27.0	25,600	340	221

¹"Specified owner-occupied" housing units include one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings.

²"Specified owner with a mortgage". Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, or similar debts on the property; real estate taxes; fire and hazard insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.).

³"Gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are paid for by the renter (or paid for the renter by someone else) in addition to rent.

⁴"Specified renter-occupied" housing units include renter-occupied units except one-family houses on 10 or more acres.

Sources: U.S. Bureau of the Census, 1980 Census of Housing, Vol. 1, Chapter A, General Housing Characteristics, series HC80-1-A, and 1980 Census of Population and Housing, Vol. 3, Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas, series PHC80-3.

NO. 1357. OCCUPIED HOUSING UNITS—TENURE, AND POPULATION PER OCCUPIED UNIT, BY RACE OF HOUSEHOLD HEAD AND BY RESIDENCE: 1920 TO 1980

[In thousands, except as indicated. Prior to 1960, excludes Alaska and Hawaii. Tenure allocated for housing units which did not report. Minus sign (—) denotes decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series N 238-245]

YEAR, RACE, AND RESIDENCE	OCCUPIED UNITS ¹					AVERAGE ANNUAL PERCENT CHANGE ²		Population per occupied unit ⁴
	Total	Owner occupied		Renter occupied		Total occupied units	Total population ³	
		Number	Percent	Number	Percent			
TOTAL								
1920.....	24,352	11,114	45.6	13,238	54.4	1.9	1.4	4.3
1930.....	29,905	14,280	47.8	15,624	52.2	2.1	1.5	4.1
1940.....	34,855	15,198	43.6	19,659	56.4	1.5	.7	3.8
1950.....	42,826	23,560	55.0	19,266	45.0	2.1	1.4	3.5
1960.....	53,024	32,797	61.9	20,227	38.1	2.2	1.7	3.4
1970.....	63,445	39,886	62.9	23,560	37.1	1.8	1.2	3.2
1975.....	72,523	46,867	64.6	25,656	35.4	2.7	1.0	(NA)
1976.....	74,005	47,904	64.7	26,101	35.3	2.0	1.0	(NA)
1977.....	75,280	48,765	64.8	26,515	35.2	1.7	1.0	(NA)
1978.....	77,167	50,283	65.2	26,884	34.8	2.5	1.1	(NA)
1979.....	78,572	51,411	65.4	27,160	34.6	1.8	1.1	(NA)
1980.....	80,072	52,516	65.6	27,556	34.4	1.9	1.2	(NA)
RACE								
White:								
1920.....	21,826	10,511	48.2	11,315	51.8	(NA)	1.5	4.3
1930.....	26,983	13,544	50.2	13,439	49.8	2.1	1.5	4.1
1940.....	31,561	14,418	45.7	17,143	54.3	1.8	.7	3.7
1950.....	39,044	22,241	57.0	16,803	43.0	2.2	1.3	3.3
1960.....	47,880	30,823	64.4	17,057	35.6	2.1	1.6	3.2
1970.....	58,529	36,979	63.4	19,551	34.6	1.7	1.2	3.1
1975.....	63,880	43,072	67.4	20,788	32.6	2.5	.8	(NA)
1976.....	65,114	44,024	67.6	21,080	32.4	2.0	.6	(NA)
1977.....	66,111	44,762	67.7	21,349	32.3	1.5	.6	(NA)
1978.....	67,664	46,076	68.1	21,588	31.9	2.4	.7	(NA)
1979.....	68,786	47,055	68.4	21,731	31.6	1.7	.7	(NA)
1980.....	69,922	48,028	68.7	21,894	31.3	1.7	.8	(NA)
Black and other:								
1920.....	2,526	603	23.9	1,923	76.1	(NA)	.6	4.3
1930.....	2,922	737	25.2	2,185	74.8	1.5	1.4	4.3
1940.....	3,293	778	23.6	2,516	76.4	1.2	.7	4.1
1950.....	3,783	1,319	34.9	2,464	65.1	1.4	1.6	3.9
1960.....	5,144	1,974	38.4	3,171	61.6	3.1	2.4	3.9
1970.....	6,920	2,907	42.0	4,014	58.0	3.0	2.3	3.5
1975.....	8,663	3,795	43.8	4,868	56.2	4.6	2.1	(NA)
1976.....	8,891	3,880	43.6	5,011	56.4	2.6	2.0	(NA)
1977.....	9,169	4,003	43.7	5,166	56.3	3.1	1.9	(NA)
1978.....	9,503	4,207	44.3	5,296	55.7	3.6	2.0	(NA)
1979.....	9,786	4,356	44.5	5,429	55.5	3.0	2.0	(NA)
1980.....	10,150	4,488	44.2	5,662	55.8	3.7	3.5	(NA)
RESIDENCE								
Nonfarm:								
1920.....	17,600	7,189	40.8	10,411	59.2	2.2	(NA)	4.2
1930.....	23,300	10,721	46.0	12,579	54.0	2.8	2.3	4.0
1940.....	27,748	11,413	41.1	16,335	58.9	1.8	.9	3.7
1950.....	37,105	19,802	53.4	17,304	46.6	2.9	2.4	3.3
1960 ⁵	49,458	30,164	61.0	19,294	39.1	2.9	2.5	3.3
1970 ⁵	60,351	37,393	62.0	22,957	38.0	2.0	1.7	3.1
1975 ⁵	69,880	44,714	64.0	25,166	36.0	3.0	(NA)	(NA)
1976 ⁵	71,335	45,711	64.1	25,624	35.9	2.1	(NA)	(NA)
1977 ⁵	72,861	46,602	64.1	26,060	35.9	1.9	(NA)	(NA)
1978 ⁵	74,847	48,322	64.6	26,525	35.4	3.0	(NA)	(NA)
Farm:								
1920 ⁶	6,751	3,925	58.1	2,827	41.9	1.0	(NA)	4.7
1930.....	6,605	3,560	53.9	3,045	46.1	—2	—5	4.6
1940.....	7,107	3,783	53.2	3,324	46.8	.7	(Z)	4.3
1950.....	5,721	3,758	65.7	1,963	34.3	—2.1	—2.8	4.0
1960 ⁵	3,566	2,633	73.8	933	26.2	—4.6	—3.8	3.8
1970 ⁵	3,095	2,492	80.5	603	19.5	—1.4	—4.7	3.4
1975 ⁵	2,844	2,154	81.5	490	18.5	—3.1	(NA)	(NA)
1976 ⁵	2,670	2,193	82.1	477	17.9	1.0	(NA)	(NA)
1977 ⁵	2,618	2,164	82.7	455	17.4	—2.0	(NA)	(NA)
1978 ⁵	2,320	1,981	84.5	339	15.5	—11.4	(NA)	(NA)

NA Not available. Z Less than .05 percent. ¹Statistics on the number of occupied units are essentially comparable although identified by various terms—the term “family” applies to figures for 1920 and 1930; “occupied dwelling unit,” 1940 and 1950; and “occupied housing unit,” 1960 to 1980. For 1920, includes the small number of quasi-families; for 1930, represents private families only. ²For 1920, change from 1910. ³Based on total resident population; see tables 1, 2, and 28. ⁴From 1950 to 1970, population in occupied housing units was determined by dividing population in housing units by number of occupied housing units. Population data exclude persons in institutions and other group quarters (see table 78). ⁵Not comparable with data for earlier censuses because of a basic change in definition of farm residence. For definitions used in 1960 and 1970, see text, p. 648. ⁶Includes a small proportion of urban-farm families in addition to rural-farm.

No. 1358. HEATING EQUIPMENT AND FUELS FOR OCCUPIED UNITS: 1950 TO 1990

(In thousands, except percent)

ITEM	1950	1960	1970	1975	1979	1980	PERCENT DISTRIBUTION				
							1950	1960	1970	1975	1980
Occupied units, total	42,826	53,834	63,446	72,523	78,572	80,390	100.0	100.0	100.0	100.0	100.0
Warm air furnace	¹ 11,506	17,376	27,515	36,990	² 42,196	45,051	26.9	32.0	43.4	51.0	51.9
Steam or hot water	10,071	11,990	13,211	13,792	13,679	14,618	23.5	22.6	20.8	19.0	18.8
Floor, wall, or pipeless furnace	(³)	6,088	5,552	6,580	5,225	5,103	(³)	11.5	8.8	9.1	5.8
Built-in electric units	-	664	3,236	4,825	5,956	6,999	-	1.3	5.1	6.4	8.1
Room heaters with flue	⁴ 15,399	⁴ 11,183	7,209	4,747	4,316	6,766	36.0	21.1	11.4	6.5	7.6
Room heaters without flue	5,266	5,218	3,556	3,330	3,050	3,075	12.3	9.6	5.6	4.8	3.5
Fireplaces, stoves, or heaters	(⁵)	(⁵)	2,766	1,982	2,578	4,408	(⁵)	(⁵)	4.4	2.7	5.1
None	661	603	398	468	570	752	1.4	.9	.6	.6	.9
House heating fuel:											
Utility gas	11,567	22,851	35,014	40,833	43,322	42,676	26.6	43.1	55.2	58.4	53.3
Fuel oil, kerosene, etc.	9,695	17,158	16,473	16,299	15,708	14,567	22.6	32.4	26.0	22.5	18.1
Electricity	283	933	4,878	9,173	13,244	14,755	.7	1.8	7.7	12.6	18.4
Bottled, tank, or LP gas	797	2,686	3,807	4,148	4,134	4,417	1.8	5.1	6.0	5.7	5.5
Wood and other fuel	4,855	2,460	1,080	930	1,235	2,708	11.3	4.8	1.7	1.3	3.4
Coal or coke	14,526	6,456	1,821	573	358	508	34.6	12.2	2.9	.8	.8
None	699	478	395	468	570	538	2.3	.9	.6	.6	.7
Cooking fuel:											
Electricity	8,403	16,351	25,768	33,944	⁶ 38,779	41,904	15.0	30.8	40.6	46.8	52.1
Utility gas	22,084	27,296	31,244	32,483	⁶ 32,576	32,456	51.6	51.6	49.2	44.6	40.4
Bottled, tank, or LP gas	3,417	5,491	5,314	5,440	⁶ 5,225	5,478	8.0	12.2	8.4	7.5	6.8
Other fuel	10,796	2,803	908	332	⁶ 352	393	25.2	4.9	1.4	.5	.5
None	124	280	218	315	⁶ 236	156	.3	.5	.3	.4	.2

- Represents zero. ¹For heating equipment, based on year-round housing units (86.8 million); therefore, data will not add to total. ²"Floor, wall, or pipeless furnace" included in "Warm air furnace." ³Includes heat pumps. ⁴"Fireplaces, stoves, or portable heaters" included in "Room heaters with flue." ⁵Portable heaters. ⁶1979 data.

Source: U.S. Bureau of the Census, *Census of Housing, 1980*, vol. 1, No. 1; *Census of Housing, 1970*, vol. 1; *Current Housing Reports*, series H-150, Annual Housing Survey, part A, *General Housing Characteristics for the United States and Regions*; and *1990 Census of Population and Housing, Supplementary Report*, series PHC 80-S1-1.

No. 1359. SELECTED ELECTRICAL APPLIANCES—NUMBER AND PERCENT OF HOMES WITH APPLIANCES: 1960 TO 1979

(As of December 31. Percentages based on total number of homes wired for electricity. See also table 1434)

ITEM	HOMES WITH APPLIANCES (mil.)						PERCENT WITH APPLIANCES					
	1960	1965	1970	1975	1978	1979	1960	1965	1970	1975	1978	1979
Number of wired homes	51.7	57.6	64.0	72.7	77.8	79.4	(x)	(x)	(x)	(x)	(x)	(x)
Air-conditioners, room	7.8	13.9	26.0	36.4	43.1	44.1	15.1	24.2	40.6	52.6	55.4	55.5
Bed coverings	12.2	20.0	31.7	41.4	48.1	51.0	23.6	34.7	49.5	57.0	61.8	64.2
Blenders	4.2	7.5	23.4	32.9	39.9	41.6	8.0	13.0	36.5	45.2	51.2	52.4
Can openers	2.5	14.2	29.1	39.7	47.3	50.5	4.8	24.7	45.5	54.6	60.7	63.6
Coffeemakers	30.2	41.3	56.7	71.0	77.7	79.3	58.3	71.7	88.6	97.7	99.8	99.9
Dishwashers	3.7	7.8	17.6	27.9	32.6	34.2	7.1	13.5	26.5	38.3	41.9	43.0
Disposers, food waste	5.4	7.8	16.3	26.2	33.4	34.1	10.5	13.6	25.5	36.6	42.9	43.0
Dryers, clothes (incl. gas)	10.1	15.2	28.6	42.0	46.9	48.6	19.6	26.4	44.6	57.7	60.3	61.5
Freezers	12.1	15.7	20.0	31.6	34.9	35.5	23.4	27.2	31.2	43.5	44.9	44.7
Frypans	22.5	28.3	36.0	45.8	53.2	54.0	43.4	49.2	56.2	63.0	68.3	68.0
Hotplates and buffet ranges	12.5	13.1	15.7	19.1	20.4	20.7	24.2	22.7	24.5	26.2	26.3	26.0
Iron, total	45.7	57.1	63.8	72.6	77.1	79.3	88.4	99.1	99.7	99.9	99.9	99.9
Steam and steam/spray	30.6	43.5	56.5	70.7	78.7	79.2	59.2	75.5	88.2	97.2	99.0	99.8
Microwave ovens	(NA)	(NA)	(NA)	2.3	5.5	6.1	(NA)	(NA)	(NA)	3.2	7.1	7.6
Mixers, food	29.0	41.9	52.8	65.6	71.8	73.7	56.0	72.6	82.4	90.2	92.2	92.8
Radios	50.3	57.3	63.9	72.6	77.6	79.3	94.3	99.5	99.8	99.9	99.9	99.9
Ranges: Free-standing	16.0	18.5	25.9	35.6	39.5	39.7	30.9	32.1	40.5	49.2	50.6	50.0
Built-in	3.3	5.9	8.6	14.0	15.4	15.4	6.4	10.3	15.0	19.3	19.6	19.4
Refrigerators	50.6	57.3	66.9	72.6	77.6	79.2	96.2	99.5	99.8	99.9	99.7	99.6
Television: Black and white	46.2	55.9	63.2	72.6	77.8	79.3	89.4	97.1	98.7	99.9	99.9	99.9
Color	(NA)	5.5	27.2	54.1	66.3	71.3	(NA)	9.5	42.5	74.4	85.2	88.8
Toasters	37.2	48.1	59.3	71.7	77.6	79.3	72.0	83.6	92.6	96.6	99.9	99.9
Vacuum cleaners	36.4	46.1	58.9	72.1	77.7	79.3	74.3	83.5	92.0	96.2	99.9	99.9
Washers	28.6	33.1	69.6	50.8	56.5	61.4	55.4	57.4	62.1	69.9	75.2	77.3

NA Not available. X Not applicable. ¹Based on 53,300,000 homes in 1960, and 58,566,000 in 1965.

Source: Gralla Publications, Inc., New York, N.Y., *Merchandising*, annual statistical issues. (Copyright.)

NO. 1360. APPLIANCES USED BY HOUSEHOLDS, BY REGION AND FAMILY INCOME: 1980-1981

(In millions, except percent. Represents appliances possessed and generally used by the household. See headnote, table 1361)

TYPE OF APPLIANCE	HOUSEHOLDS USING APPLIANCE		REGION				1979 FAMILY INCOME			
	Number	Percent of total	North-east	North Central	South	West	Under \$15,000	\$15,000-\$24,999	\$25,000-\$34,999	\$35,000 and over
Total households	81.8	100.0	17.7	21.1	27.0	18.0	38.1	21.8	12.4	9.4
Air conditioners:										
Room	24.5	30.0	6.8	6.8	8.8	2.1	12.2	7.3	3.0	2.0
Central system	21.9	26.8	1.8	5.5	11.0	3.6	6.7	6.1	4.4	4.7
Clothes washer	61.3	75.1	13.3	16.5	20.4	11.1	23.7	18.0	10.8	8.6
Clothes dryer	50.1	61.4	9.8	14.9	16.0	9.3	16.0	16.8	10.0	8.3
Dehumidifier	7.3	8.9	2.2	3.8	1.2	.1	1.7	2.2	1.8	1.6
Dishwasher	30.4	37.3	6.2	6.8	10.0	7.4	7.0	9.5	6.9	7.1
Freezer	31.1	38.1	4.8	9.6	11.7	4.8	11.4	9.3	5.9	4.6
Humidifier	11.0	13.5	2.1	6.8	1.4	.7	3.4	3.3	2.2	2.1
Microwave oven ¹	11.7	14.3	1.3	3.6	3.8	3.0	2.1	3.5	3.0	3.0
Range:										
Electric	43.8	53.7	7.7	11.0	16.3	6.8	17.3	12.2	7.7	6.5
Gas	37.5	46.0	9.7	10.2	10.4	7.1	20.3	9.5	4.7	3.0
Television set:										
Color	67.0	82.1	14.4	17.7	21.5	13.4	27.1	18.4	11.8	8.9
Black and white	41.9	51.3	10.3	11.4	13.3	8.9	19.7	10.8	6.4	5.0

¹ Microwave is first or second most used oven.

NO. 1361. HOUSING UNITS—SELECTED CHARACTERISTICS, BY TYPE OF PRIMARY HEATING FUEL AND EQUIPMENT: 1980-1981

(In millions. As of winter 1980-1981. Excludes Alaska and Hawaii. Covers year-round units only. For composition of regions, see fig. 1, inside front cover)

ITEM	Total occupied housing units ¹	PRIMARY HEATING FUEL					PRIMARY HEATING EQUIPMENT				
		Natural gas	Fuel oil, kerosene	Electricity	LPG ²	Wood	Warm air furnace with ducts	Steam or hot water system	Room heaters ³	Floor, wall, or pipeless furnace	Built-in electric units
Total ⁴	81.8	44.6	13.4	14.3	3.7	4.7	41.2	13.6	8.1	8.7	5.3
Region:											
Northeast	17.7	6.6	8.2	1.6	.2	1.0	6.0	6.8	.4	.1	1.1
North Central	21.1	15.0	1.5	2.1	1.2	1.1	14.0	2.9	1.1	.7	1.2
South	27.0	11.8	3.1	7.7	2.0	2.0	13.1	1.3	3.6	2.4	1.6
West	18.0	11.1	.5	2.9	.4	.7	6.1	.5	.7	3.6	1.3
Type:											
Single-family detached	53.0	30.1	7.6	7.7	2.3	4.3	28.5	6.7	4.4	4.6	2.8
Single-family attached	3.3	1.9	.7	.5	.1	—	1.9	.8	.2	.2	.2
2-4 unit building	8.9	6.6	1.6	1.3	.1	.1	3.4	3.1	1.1	1.0	.6
5 or more unit building	10.8	4.8	2.4	3.7	.1	—	4.0	3.9	.2	.6	1.6
Mobile home	4.6	1.4	.7	1.1	1.2	.3	2.5	—	.2	.2	.1
Year house built:											
1939 or earlier	23.3	13.3	6.1	.8	.9	1.6	6.8	6.7	3.3	1.6	.3
1940 to 1949	7.5	4.6	1.6	.6	.2	.4	2.9	1.4	.9	1.3	.3
1950 to 1959	13.7	9.1	2.6	1.1	.4	.5	7.5	1.8	1.0	1.6	.4
1960 to 1969	16.3	9.4	1.8	2.5	.8	.7	8.8	2.1	.6	1.2	1.4
1970 to 1974	10.5	4.6	.8	3.7	.8	.4	6.7	.9	.2	.3	1.6
1975 or later	11.3	3.6	.8	5.7	.5	.9	6.6	.8	.1	.2	1.4
Heating (HDD) and cooling (CDD) degree day zones: ⁵											
Less than 2,000 HDD and more than 7,000 HDD	8.5	4.3	1.8	.8	.5	1.3	4.7	1.7	.3	.3	.4
5,500-7,000 HDD	20.9	13.5	3.6	2.6	.8	.5	12.3	4.8	1.0	.3	1.6
4,000-5,499 HDD	21.1	9.0	6.4	3.6	.8	1.3	9.3	6.5	.8	.9	1.9
Less than 4,000 HDD	19.0	12.1	1.2	3.1	.9	1.4	9.0	.3	1.9	4.1	1.0
More than 2,000 CDD and less than 4,000 HDD	12.1	6.7	.4	4.5	1.0	.2	6.1	.1	2.1	1.1	.5
Measured heated space of residence:											
Less than 600 sq. ft.	7.5	3.5	1.6	1.2	.5	.2	1.9	1.6	1.2	.8	.6
600-999 sq. ft.	21.1	11.2	3.1	4.6	1.3	.8	9.0	3.5	2.4	2.4	1.9
1,000-1,599 sq. ft.	24.0	13.5	3.6	4.2	1.1	1.4	12.4	3.3	1.8	2.4	1.9
1,600-1,999 sq. ft.	10.0	5.9	1.4	1.8	.3	.8	6.0	1.4	.3	.6	.4
2,000-2,999 sq. ft.	7.6	4.3	1.2	1.3	.2	.7	5.0	1.2	.1	.2	.5
3,000-3,999 sq. ft.	6.1	3.4	1.3	.7	.2	.6	3.9	1.1	.2	.2	.2
4,000 sq. ft. or more	5.2	2.8	1.1	.7	.1	.4	3.0	1.3	.1	.1	.2

— Represents zero or rounds to zero. ¹ Includes types of fuel and equipment not shown separately. ² Liquid petroleum gas. ³ With or without flue. ⁴ Includes other type of housing structure not shown separately. ⁵ See fig. 7.3.

Source of tables 1360 and 1361: U.S. Energy Information Administration, *Residential Energy Consumption Survey*—Characteristics, 1980, June 1982.

NO. 1362. HOUSINGS UNITS—CHARACTERISTICS, BY SQUARE FOOTAGE OF FLOOR SPACE: 1980

[See headnote, table 1361]

CHARACTERISTIC	AVERAGE NUMBER OF SQUARE FEET PER HOUSEHOLD				HOUSEHOLDS BY MEASURED HEATED SQUARE FOOTAGE OF RESIDENCE (TH.)				
	Total		Heated		Total	Less than 1,000	1,000 to 1,500	1,500 to 2,300	2,400 and over
	Mean	Median	Mean	Median					
Total	1,745	1,400	1,400	1,200	81.8	28.8	24.0	17.8	11.3
Northeast	1,972	1,782	1,623	1,374	17.7	5.8	4.5	4.0	3.2
North Central	1,935	1,840	1,648	1,405	21.1	6.3	5.4	5.7	3.7
South	1,565	1,295	1,379	1,200	27.0	10.0	9.2	5.0	2.8
West	1,545	1,293	1,305	1,160	16.0	5.4	4.9	2.8	1.7
Single family detached	2,131	1,953	1,784	1,582	53.0	9.6	17.1	15.5	10.4
Single family attached	1,640	1,617	1,555	1,505	3.3	.8	1.1	.9	.5
2-4 unit building	1,065	903	1,025	889	9.9	6.0	3.0	.8	.4
5 or more unit building	625	773	612	749	10.6	6.4	1.9	.3	-
Mobile home	619	744	609	732	4.6	3.7	.8	.2	-
Year house built:									
1939 or earlier	1,656	1,594	1,511	1,280	23.3	6.0	7.0	4.9	3.4
1940-1949	1,581	1,344	1,384	1,173	7.5	3.1	2.2	1.3	.8
1950-1959	1,729	1,508	1,507	1,295	13.7	4.3	4.6	3.2	1.7
1960-1964	1,774	1,647	1,537	1,350	7.2	2.3	1.9	1.9	1.0
1965-1969	1,859	1,555	1,485	1,248	8.1	3.1	2.0	1.8	1.2
1970-1974	1,627	1,316	1,436	1,152	10.5	4.3	2.8	2.1	1.4
1975 or later	1,791	1,496	1,592	1,320	11.3	3.4	3.5	2.5	1.9

- Represents zero or rounds to zero.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1980*, June 1982.

NO. 1363. LOW-RENT PUBLIC HOUSING UNITS, BY PROGRESS STAGE: 1960 TO 1981

[In thousands. As of Dec. 31. Housing for the elderly designed for persons 62 years old or over, disabled, or handicapped. Includes Puerto Rico and Virgin Islands. Covers units subsidized by HUD under annual contributions contracts. See also *Historical Statistics, Colonial Times to 1970*, series N 186-191]

YEAR AND PROGRAM	Total	Occupied units ¹	Under construction	Other ²	YEAR AND PROGRAM	Total	Occupied units ¹	Under construction	Other ²
1960.....	593.3	479.2	38.4	115.1	1981.....	1,404.0	1,229.3	51.5	123.2
Elderly.....	18.9	1.1	4.1	13.7	Elderly.....	385.4	327.7	21.8	35.9
1970.....	1,155.3	993.5	126.6	135.0	New construction.....	1,187.4	1,103.8	45.7	37.8
Elderly.....	249.4	143.4	65.7	40.3	Conventional ³	909.9	855.6	27.3	27.0
1975.....	1,316.7	1,180.4	52.9	83.4	Turnkey ⁴	277.5	248.3	18.4	10.8
Elderly.....	336.3	288.3	24.3	23.7	Acquisition ⁵	38.8	26.3	.5	12.0
1980.....	1,321.1	1,185.6	20.9	104.6	Leased housing ⁶	177.8	99.1	6.3	73.4
Elderly.....	359.3	317.7	11.5	29.1	New.....	54.1	37.5	3.2	13.4

¹Under management or available for occupancy. ²To be constructed or to go directly "under management" because no rehabilitation needed. ³New housing constructed on the Local Housing Authority (LHA) site pursuant to a contract let by the LHA. ⁴New housing purchased by the LHA from a private developer upon completion of construction pursuant to an earlier agreement. ⁵Existing housing acquired by the LHA. ⁶Existing housing leased by LHA from an owner under a contract permitting LHA to sub-lease the units.

Source: U.S. Dept. of Housing and Urban Development, unpublished data.

NO. 1364. NEW APARTMENTS COMPLETED AND RENTED IN 3 MONTHS: 1976 TO 1981

(1981 data are preliminary. Structures with 5 or more units, privately financed, nonsubsidized, unfurnished apartments. Based on sample and subject to sampling variability. For definition of median, see Guide to Tabular Presentation)

CHARACTERISTIC	NUMBER (1,000)						PERCENT RENTED IN 3 MONTHS					
	1976	1977	1978	1979	1980	1981	1976	1977	1978	1979	1980	1981
Total	157	196	229	341	196	138	80	80	82	82	75	86
Rent: Under \$150.	6.8	6.4	3.6	2.5	6.9	2.6	84	85	89	94		
\$150-\$174	14.4	14.5	13.1	6.1			82	75	62	96	82	77
\$175-\$199	35.0	30.4	25.2	15.1			82	84	81	65		
\$200-\$249	56.9	72.5	71.6	66.0	32.9	10.0	60	63	54	64	83	65
\$250-\$299	30.3	47.6	64.8	69.0	51.1	28.0	81	79	81	82	76	87
\$300-\$349					44.5	26.7					73	91
\$350-\$399	13.5	24.2	50.4	82.5	30.9	23.7	76	72	79	79	75	79
\$400 or more					29.8	42.6					85	78
Bedrooms: Less than 2	75.1	87.6	112.6	119.1	93.7	65.5	86	83	84	80	76	79
2	74.5	100.6	107.8	113.3	95.1	83.1	77	78	80	86	75	81
3 or more	7.4	7.3	8.3	6.7	7.3	6.8	59	77	77	64	63	65

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-130, and unpublished data.

No. 1365. VACANCY RATES FOR HOUSING UNITS—CHARACTERISTICS: 1975 TO 1981

In percent. Annual averages. Based on Current Population Survey and Quarterly Household Survey. Rate is relationship between vacant housing for rent or for sale and the total rental and homeowner supply, which comprises occupied units, units rented or sold and awaiting occupancy, and vacant units available for rent or sale. For composition of regions, see fig. 1, inside front cover. See headnote, table 1349 concerning SMSA's. See also *Historical Statistics, Colonial Times to 1970*, series N 249-258.

RENTAL UNITS	1975	1976	1977	1980	1981	HOMEOWNER UNITS	1975	1976	1977	1980	1981
Total rental units	6.0	6.0	5.4	5.4	5.0	Total homeowner units	1.2	1.0	1.2	1.4	1.4
Inside SMSA's	6.1	5.2	5.4	5.2	4.8	Inside SMSA's	1.3	1.0	1.1	1.3	1.4
Outside SMSA's	5.7	4.5	5.4	6.1	5.7	Outside SMSA's	1.1	1.2	1.2	1.4	1.3
Northeast	4.1	4.8	4.5	4.2	3.7	Northeast	1.0	.8	1.0	1.1	1.1
North Central	5.7	4.8	5.7	6.0	5.9	North Central	1.0	1.0	1.2	1.5	1.4
South	7.7	6.5	6.1	6.0	5.4	South	1.5	1.3	1.1	1.3	1.3
West	6.2	4.8	5.3	5.2	5.1	West	1.5	1.0	1.3	1.6	1.7
Units in structure: 1 unit	3.6	3.1	3.2	3.4	3.3	Units in structure: 1 unit	1.0	.9	1.0	1.2	1.1
2 or more	7.3	6.1	6.6	6.4	6.0	2 or more	5.4	3.2	3.7	4.5	5.4
5 or more	8.3	6.7	7.6	7.1	6.4	5 or more	14.4	9.2	6.6	8.7	10.8
Units with: 3 rooms or less	6.4	6.9	7.3	6.9	6.9	Units with: 3 rooms or less	3.5	3.0	3.0	3.5	3.5
4 rooms	5.8	4.8	5.2	5.2	4.6	4 rooms	2.1	1.3	1.4	1.7	2.0
5 rooms	4.6	3.8	4.1	4.3	3.8	5 rooms	1.1	1.1	1.1	1.2	1.4
6 rooms or more	3.3	3.2	3.4	3.8	3.2	6 rooms or more	1.0	.9	1.1	1.3	1.1
Monthly rent: Less than \$60	5.5	4.0	3.1	2.5	3.0	Value: Less than \$10,000	1.4	1.5	1.1	1.5	1.6
\$60-\$79	5.7	5.0			3.0	\$10,000-\$19,999	1.0	.9	1.5	.9	
\$80-\$99	4.6	5.0	4.1	3.4		\$20,000-\$24,999	.9	.7	.7	.9	
\$100 or more	6.7	5.2	6.0	6.0	5.2	\$25,000 or more	1.4	.9	1.1	1.3	1.1
Year built: 1960 or later	8.3	6.0	5.8	5.8	5.1	Year built: 1960 or later	2.2	1.2	1.4	1.6	1.6
1965 or later	9.0	6.2	6.1	6.2	5.3	1965 or later	2.7	1.4	1.7	2.1	1.8
1940-1959	4.8	3.5	4.8	4.7	4.9	1940-1959	.5	.8	.8	.8	.9
1939 or earlier	5.4	5.5	5.5	5.5	5.2	1939 or earlier	1.1	1.3	1.4	1.5	1.6
Plumbing: With all facilities	5.9	4.8	5.2	5.2	4.6	Plumbing: With all facilities	1.3	1.0	1.1	1.3	1.4
Lacking facilities	11.2	12.0	12.3	10.6	12.3	Lacking facilities	2.0	2.9	3.7	4.2	3.3

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111

No. 1366. EXPENDITURES BY RESIDENTIAL PROPERTY OWNERS FOR IMPROVEMENTS AND MAINTENANCE AND REPAIRS: 1970 TO 1981

(In millions of dollars, except averages)

YEAR AND TYPE OF EXPENDITURE	All properties	1-unit properties with owner occupant	Other properties	ADDITIONS AND ALTERATIONS			Major construction replacements	Maintenance and repairs
				Total	Residential	Other property		
1970: All properties ¹	14,770	9,488	5,301	6,246	4,960	1,286	2,829	5,886
Average per property	\$297	\$265	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1975: All properties ¹	25,239	15,684	9,556	10,897	8,815	2,182	4,484	9,758
Average per property	\$459	\$382	\$985	\$200	\$160	\$40	\$82	\$178
1978: All properties ¹	37,481	24,188	13,272	16,458	12,158	4,302	6,084	12,908
Average per property	\$846	\$562	\$983	\$284	\$210	\$74	\$140	\$222
1979: All properties ¹	42,231	28,230	13,951	16,266	12,822	3,463	5,866	14,960
Average per property	\$712	\$636	\$954	\$310	\$219	\$91	\$153	\$253
1980: All properties ¹	46,336	31,461	14,857	21,336	15,378	5,968	9,818	15,187
Average per property	\$781	\$668	\$994	\$355	\$256	\$99	\$183	\$253
Heating and air-conditioning ²	4,307	2,866	1,441	876	876	(NA)	2,459	672
Plumbing	3,980	2,325	1,655	797	797	(NA)	1,577	1,006
Roofing	4,331	2,975	1,356	(NA)	(NA)	(NA)	3,180	1,172
Painting	5,709	3,110	2,599	(NA)	(NA)	(NA)	(NA)	5,709
1981: All properties ¹	46,361	30,201	16,180	20,414	15,111	5,303	9,815	16,022
Average per property	\$780	\$661	\$1,047	\$334	\$247	\$87	\$162	\$262
Heating and air-conditioning ²	3,086	2,295	1,373	891	891	(NA)	2,028	750
Plumbing	4,418	2,323	2,095	710	710	(NA)	1,838	1,670
Roofing	4,928	3,339	1,567	(NA)	(NA)	(NA)	3,352	1,574
Painting	5,576	3,212	2,364	(NA)	(NA)	(NA)	(NA)	5,576

NA Not available. ¹Includes types of expenditures not separately specified. ²Central air-conditioning.

Source: U.S. Bureau of the Census, *Construction Reports*, series C60.

No. 1367. RECENT HOME BUYERS—GENERAL CHARACTERISTICS AND DOWNPAYMENTS: 1976 TO 1981

[As of October. Based on a sample survey, subject to sampling variability]

ITEM	Unit	1976	1977	1978	1979	1980	1981
Median price of house purchased.....	Dollars.....	43,340	49,320	54,750	58,100	66,714	78,220
First-time buyers.....	Dollars.....	37,670	43,180	46,700	50,800	61,450	63,180
Repeat buyers ¹	Dollars.....	50,090	58,730	59,180	64,800	75,750	82,220
Average monthly mortgage payment.....	Dollars.....	329	361	384	449	509	694
Percent of income.....	Percent.....	24.0	25.0	26.0	26.2	32.4	35.5
Percent buying—							
New houses.....	Percent.....	15.1	12.8	14.4	17.8	22.4	25.2
Existing houses.....	Percent.....	84.9	87.2	85.6	82.2	77.6	74.8
Single-family houses.....	Percent.....	88.8	90.2	86.6	87.5	82.4	78.3
Multiple-family houses.....	Percent.....	4.8	6.2	7.6	5.3	5.5	6.8
Condominiums.....	Percent.....	6.4	3.6	5.6	6.8	12.1	13.4
For the first time.....	Percent.....	44.6	48.1	36.7	36.6	32.9	39.4
Average age of first-time buyers.....	Years.....	28.1	28.2	28.3	28.4	28.3	28.4
Average age of repeat buyers ¹	Years.....	35.9	37.9	35.5	34.7	36.4	36.4
Source of downpayment for—							
First-time buyer.....							
Entirely from savings and investments.....	Percent.....	70.9	75.6	73.5	43.6	51.1	63.6
Help from relatives.....	Percent.....	20.4	14.3	8.7	32.9	32.6	17.0
Repeat buyers ¹							
Entirely from savings and investments.....	Percent.....	21.2	25.8	19.2	14.9	27.7	22.6
Entirely from previous home sale.....	Percent.....	45.5	43.9	66.6	55.8	39.7	48.2
Downpayment to sales price.....	Percent.....	25.2	28.1	21.4	24.9	25.0	24.1
First-time buyers.....	Percent.....	18.0	19.2	12.4	17.8	20.5	19.4
Repeat buyers ¹	Percent.....	30.6	35.0	27.6	29.0	32.7	27.1

¹ Buyers who previously owned a home.

Source: Chicago Title Insurance Company, Chicago, Illinois, *The Guarantor*, bimonthly. (Copyright.)

No. 1368. MORTGAGE STATUS OF NONFARM DWELLING UNITS: 1940 TO 1980

[In millions, except percent. Prior to 1960, excludes Alaska and Hawaii. For 1940 and 1950, mortgage data are for owner-occupied dwelling units in 1- to 4-dwelling unit structures without business; for 1960, properties with 1- to 4-dwelling units; for 1971-1979, properties with 1 housing unit; for 1980, specified owner-occupied housing units. See also *Historical Statistics, Colonial Times to 1970*, series N 302-307]

ITEM	1940	1950	1960	1971	1974	1975	1976	1977	1978	1979	1980
Owner occupied units.....	11.4	19.8	27.9	33.2	36.2	37.2	37.9	38.8	40.1	41.3	39.5
Reporting mortgage status.....	10.6	17.8	27.9	33.2	36.2	37.2	37.9	38.8	40.1	41.3	39.5
Mortgaged.....	4.8	7.8	15.8	20.1	23.0	23.4	24.1	24.9	25.6	26.4	25.5
Percent.....	45.3	44.0	56.8	60.6	63.5	63.0	63.5	64.2	63.9	64.0	64.7
Not mortgaged.....	5.8	10.0	12.0	13.1	13.2	13.8	13.8	13.9	14.5	14.9	14.0

Source: U.S. Bureau of the Census, *Census of Housing: 1950*, vol. I; 1960 and 1970, vol. V; and *Current Housing Reports*, series H-150, Annual Housing Survey, part C, *Financial Characteristics of the Housing Inventory for the United States and Regions*, and 1980 *Census of Population and Housing, Supplementary Report*, series PHC 80-S1-1.

No. 1369. VOLUME OF LONG-TERM MORTGAGE LOANS ORIGINATED, BY TYPE OF PROPERTY, 1970 TO 1981, AND BY LENDER, 1981

[In billions of dollars. Covers credit extended in primary mortgage markets for financing real estate acquisitions]

TYPE OF PROPERTY	1970	1975	1977	1978	1979	1980	1981, BY LENDER				
							Total ¹	Savings and loan	Commercial banks	Mortgage cos.	Fed. credit agencies
Loans, total.....	38.9	126.7	226.2	257.3	288.2	197.2	168.1	47.8	36.2	28.4	21.6
1-4 unit family home.....	35.6	77.9	162.0	185.0	186.8	133.7	98.3	42.0	21.7	24.0	4.5
New units.....	12.6	24.6	48.4	58.0	60.5	49.1	37.3	17.3	6.6	10.0	2.1
Existing units.....	23.0	53.3	113.6	127.0	126.1	84.6	61.0	24.7	15.3	14.0	2.4
Multifamily residential.....	8.8	10.7	15.8	16.5	15.8	12.5	12.0	2.3	1.5	2.0	3.2
New units.....	7.0	5.9	5.6	6.9	8.4	6.8	8.0	.9	.4	1.6	3.1
Existing units.....	1.8	4.8	10.2	9.6	7.4	5.7	4.0	1.4	1.1	.4	1
Non-residential.....	12.5	24.2	38.1	42.7	41.0	35.8	32.5	3.5	14.5	2.4	.9
Farm properties.....	3.0	7.9	12.3	13.1	14.8	15.0	15.4	1	1.5	-	12.4

- Represents zero. ¹ Includes life insurance companies and other lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *Survey of Mortgage Lending Activity, 1970-1979*, and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

No. 1370. CHARACTERISTICS OF CONVENTIONAL FIRST MORTGAGE LOANS FOR PURCHASE OF SINGLE-FAMILY HOMES: 1975 TO 1982

[Annual averages, except as indicated. Refers to loans originated directly (rather than through correspondents) by savings and loan associations, mortgage companies, commercial banks, or mutual savings banks]

LOAN CHARACTERISTIC	Unit	NEW HOMES						EXISTING HOMES					
		1975	1976	1979	1980	1981	1982, May	1975	1976	1979	1980	1981	1982, May
Contract interest rate	Percent	8.75	9.33	10.5	12.3	14.1	15.1	8.97	9.40	10.6	12.5	14.5	15.6
Initial fees, charges ¹	Percent	1.53	1.39	1.66	2.09	2.66	3.16	1.16	1.26	1.44	1.91	2.27	2.39
Term to maturity	Years	27.0	28.0	28.5	28.1	27.7	26.9	24.2	26.4	27.1	26.9	25.9	22.3
Loan to price ratio	Percent	76.2	75.2	73.8	73.2	74.8	77.4	73.5	75.0	74.0	73.5	72.9	65.1
Purchase price	\$1,000	44.7	62.8	74.4	83.2	90.3	86.4	39.2	54.5	64.8	68.3	68.5	69.3

¹ Rate applies to any general or specific charges paid by borrower or seller, in order to obtain a loan, except those for mortgage, credit, life, or property insurance; for property transfer; and for title search and insurance.

Source: U.S. Federal Home Loan Bank Board, monthly news releases.

No. 1371. HOME LOANS GUARANTEED AND INSURED BY VA: 1975 TO 1981

[Based on complete count of primary loans closed for conventionally built homes. See also table 623]

LOAN CHARACTERISTICS	NEW HOMES						EXISTING HOMES					
	1975	1977	1978	1979	1980	1981	1976	1977	1978	1979	1980	1981
Number of Primary Loans	66,567	77,540	76,606	72,892	63,846	44,967	227,007	294,070	274,191	272,826	191,763	91,090
Average loan (\$1,000)	32.9	36.6	44.0	51.5	58.7	63.8	26.8	34.8	36.3	44.8	49.6	51.4
PERCENT OF HOME LOANS												
Loan amount:												
Less than \$25,000	12.2	3.7	1.9	.9	.7	.6	40.5	23.2	17.3	10.6	6.2	6.2
\$25,000-\$29,999	23.8	11.0	5.8	1.9	.9	.8	20.5	16.8	15.1	10.9	6.5	6.4
\$30,000-\$34,999	31.2	19.5	13.0	6.0	2.5	1.3	15.7	16.6	15.3	12.4	10.3	9.8
\$35,000-\$39,999	19.5	23.1	19.8	11.7	5.7	4.2	10.2	15.0	14.3	13.1	11.4	11.1
\$40,000-\$49,999	13.3	42.7	34.4	30.8	23.5	18.9	13.1	26.4	18.3	20.2	19.9	19.9
\$50,000-\$59,999			16.2	24.8	28.5	24.1			9.8	13.3	14.9	14.1
\$60,000-\$69,999			6.8	13.7	18.7	20.7			6.4	8.3	10.3	9.7
\$70,000 and over			2.7	10.4	21.5	29.6			3.5	10.4	18.5	19.4
Mortgage maturity:												
Less than 25 yr	.3	.3	.3	.3	.3	.5	2.9	2.1	1.7	1.4	1.2	1.6
25 yr	.5	.5	.3	.2	.2	.8	6.1	4.5	4.0	2.9	2.4	2.8
26-29 yr	4.8	1.8	3.9	2.6	1.3	1.1	1.2	1.1	1.4	.9	.3	.3
30 yr	94.3	97.4	95.5	96.9	98.2	97.8	89.8	92.8	92.9	94.8	96.1	95.5
Downpayment status:												
With downpayment	42.9	44.5	46.3	47.4	46.2	46.7	26.5	26.4	26.2	26.0	29.7	28.2
With no downpayment	57.1	55.5	53.7	52.6	54.6	54.3	73.5	73.6	73.8	72.0	70.3	71.8

Source: U.S. Veterans Administration, unpublished data.

No. 1372. ONE-FAMILY HOMES, FHA-INSURED MORTGAGES: 1975 TO 1981

[Data for sec. 203(b) of National Housing Act only. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	Unit	NEW HOMES						EXISTING HOMES					
		1975	1976	1978	1979	1980	1981	1975	1977	1978	1979	1980	1981
Number of mortgages	1,000	35.7	42.5	38.6	37.0	30.7	23.2	178.9	229.9	216.9	241.8	196.0	109.6
Avg. monthly occupant expenses:													
Real estate taxes	Dollars	48	58	58	57	58	67	40	41	44	43	49	51
Maintenance and repair	Dollars	22	24	23	29	30	34	20	22	24	26	31	34
Heating and utilities	Dollars	42	54	61	68	74	87	43	53	60	68	79	89
Average purchase transactions:													
Total acquisition cost ¹	\$1,000	33.0	37.2	41.5	50.3	56.0	60.9	26.9	28.2	34.0	39.4	45.0	47.7
Closing costs	Dollars	672	701	772	856	981	1,049	606	680	781	846	960	1,054
Market price of site ²	\$1,000	6.4	7.3	7.7	9.8	11.8	12.4	5.5	5.8	6.9	8.1	10.1	11.4
Median value and cost:													
Amount of mortgage	\$1,000	29.7	34.0	37.3	46.0	50.1	53.8	24.8	27.1	30.9	35.4	39.6	41.5
Estimated value	\$1,000	32.6	37.2	41.1	50.4	56.0	60.9	26.2	28.9	33.0	38.4	44.0	47.0
Annual loan/value ratio	Percent	92.8	92.0	93.0	93.5	92.6	91.5	94.9	94.8	95.5	95.1	93.9	93.2
Income of occupant	\$1,000	17.1	16.8	20.4	24.3	27.1	32.2	15.5	16.6	18.3	21.2	24.7	28.4
Monthly mortgage payment	Dollars	284	329	368	466	506	567	245	260	300	368	486	545
Term of mortgage	Years	30.0	29.9	29.8	29.9	29.9	29.8	29.3	29.4	29.5	29.5	29.5	29.5

¹ Sales price plus closing costs. ² Includes street improvements or utilities, rough grading, terracing and retaining walls, if any, for site.

Source: U.S. Dept. of Housing and Urban Development, 1975-1978, HUD Statistical Yearbook; thereafter, unpublished data.

NO. 1373. RESIDENTIAL LOANS UNDERWRITTEN BY FHA: 1960 TO 1981

[In millions of dollars. Figures are gross amount of insurance written; do not take account of principal repayments on previously insured loans. See also *Historical Statistics, Colonial Times to 1970*, series N 291-297]

LOAN	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
FHA-insured loans.....	6,285	8,868	11,882	5,803	7,841	9,746	13,000	16,088	22,848	23,301	14,884
Home mortgages: New properties.....	2,187	1,705	2,867	752	1 148	1,087	1,884	1,881	3,409	4,071	3,177
Existing properties.....	2,403	5,780	5,447	752	5,017	5,275	7,177	8,259	14,758	12,387	7,108
Project type mortgages.....	711	581	3,251	1,213	976	2,315	2,816	3,270	2,719	4,197	3,011
Property improvement loans ¹	982	834	617	750	799	1,071	1,341	1,688	1,962	1,646	1,674

¹ Not ordinarily secured by mortgages: Beginning 1970, includes mobile home loans.

Source: U.S. Dept. of Housing and Urban Development, 1980-1979 HUD Statistical Yearbook; thereafter, unpublished data.

NO. 1374. NONRESIDENTIAL BUILDINGS—TYPE, BY REGION AND HEATING (HDD) AND COOLING (CDD) DEGREE DAYS WEATHER ZONE: 1979-1980

[In thousands. Building type based on predominant activity in which the occupants were engaged. Based on a sample survey of building representatives conducted October 1979 to January 1980; subject to sampling variability. Excludes Alaska and Hawaii. For composition of weather zones, see fig. 7.2, p. 218]

TYPE	Total	North- west	North Central	South	West	LESS THAN 2,000 CDD AND				More than 2,000 CDD, less than 4,000 HDD
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	2,000 to 3,999 HDD	
Nonresidential bldgs., number.....	4,238	736	1,326	1,986	812	479	1,342	1,132	784	989
Assembly.....	448	67	146	189	46	38	143	154	60	53
Auto. sales, service.....	401	77	121	122	67	55	130	115	53	48
Education.....	161	23	35	75	28	17	38	43	28	38
Food sales.....	386	58	116	138	63	47	99	83	68	68
Health care.....	44	7	18	15	5	1	20	12	5	5
Industrial.....	243	38	80	88	41	25	75	57	47	38
Lodging.....	101	13	12	54	23	8	21	18	28	28
Office.....	600	104	182	189	105	58	189	136	84	113
Residential.....	347	131	108	76	29	68	117	119	16	25
Retail/services.....	714	114	227	277	88	78	180	184	136	136
Warehouse and storage.....	430	59	137	157	77	44	107	112	90	77
Other.....	237	34	66	84	40	19	69	68	43	36
Vacant.....	146	23	39	70	13	11	45	32	33	26

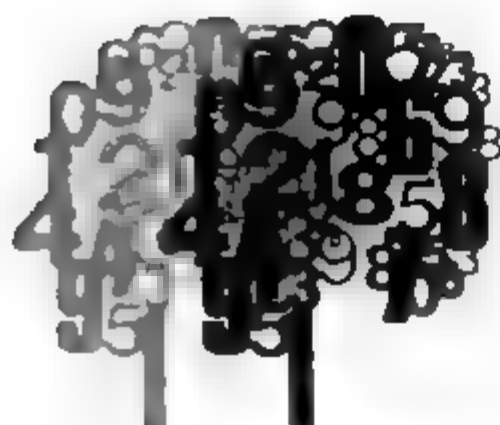
Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Building Characteristics*, March 1981.

NO. 1375. NONRESIDENTIAL BUILDINGS—TYPE, BY SQUARE FOOTAGE AND YEAR CONSTRUCTED: 1979-1980

[In thousands. See headnote, table 1374]

TYPE	Total	YEAR CONSTRUCTED					SQUARE FOOTAGE					Average sq. ft. per building	Median sq. ft. per building
		Prior to 1946	1946 to 1960	1961 to 1970	1971 to 1975	1976 to present	1,000 or less	1,001 to 5,000	5,001 to 10,000	10,001 to 25,000	25,001 and over		
Nonresidential bldgs., number.....	4,238	1,580	1,084	788	236	561	677	1,729	661	586	436	12.9	4.1
Assembly.....	448	198	101	80	17	51	44	156	131	79	38	11.2	6.0
Auto. sales, service.....	401	112	127	97	23	42	92	197	78	28	7	4.5	2.4
Education.....	161	37	53	47	6	18	10	33	21	31	67	36.2	18.3
Food sales.....	386	122	85	68	17	63	70	207	51	31	8	5.1	2.5
Health care.....	44	9	11	11	3	11	4	15	8	6	10	36.5	5.4
Industrial.....	243	77	55	44	30	36	22	58	55	45	63	29.4	9.1
Lodging.....	101	21	33	28	12	8	10	33	22	16	20	19.9	6.1
Office.....	600	216	118	121	41	104	89	258	115	88	52	13.6	4.1
Residential.....	347	237	63	30	7	10	41	177	46	64	19	9.0	3.7
Retail/services.....	714	280	219	106	28	103	123	292	152	95	52	10.7	4.0
Warehouse and storage.....	430	159	99	77	25	70	79	189	58	64	80	14.1	3.9
Other.....	237	82	80	48	18	39	58	78	38	28	28	13.2	3.6
Vacant.....	146	61	40	51	6	8	37	58	24	12	13	8.7	2.7

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Building Characteristics*, March 1981.



Section 29

Manufactures

This section presents summary data for manufacturing as a whole and more detailed information for major industry groups and selected specific products. The types of measures shown at the different levels include data for establishments; employment and wages; raw materials, fuels, and electricity consumed; plant and equipment expenditures; value and quantity of production and shipments, value added by manufacture; inventories; and various indicators of financial status.

The principal sources of these data are Bureau of the Census reports of the censuses of manufactures conducted every five years, the *Annual Survey of Manufactures*; and the *Current Industrial Reports* series, which presents monthly, quarterly, or annual data on production, shipments, and stocks for particular commodities. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin*. Reports on current activities of industries, or current movements of individual commodities, are compiled by such government agencies as the Bureau of Labor Statistics; the Economics and Statistics Service of the Department of Agriculture; the International Trade Administration; and by private research or trade associations such as The Conference Board, Inc., New York, and the American Iron and Steel Institute, Washington, D.C.

Data on financial aspects of manufacturing industries are collected by the Bureau of Economic Analysis (BEA) and the Federal Trade Commission (FTC). Industry aggregates in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are published for leading manufacturing corporations registered with the SEC. The BEA issues data on capital in manufacturing industries and capacity utilization rates in manufacturing. The FTC has made several comprehensive studies of individual industries. See also Section 18, Business Enterprise in this edition.

Censuses and annual surveys.—The first census of manufactures covered the year 1800. Between 1800 and 1963, a census was conducted at periodic intervals. Since 1967 it has been taken every 5 years (for years ending in "2" and "7"). Census data, either direct reports or estimates from administrative records, are obtained for every manufacturing plant with one employee or more.

The Annual Survey of Manufactures, conducted for the first time in 1949, collects data for the years between censuses for the more general measures of manufacturing activity covered in detail by the censuses. The annual survey data are estimates derived from a scientifically selected sample of establishments. The most recent, 1980, annual survey is based on a sample of about 58,000 establishments of an approximate total of 350,000. It comprises all large plants, which account for approximately two-thirds of total U.S. manufacturing employment, and a representative selection of the more numerous small plants. Government-owned and -operated establishments are excluded.

The basic statistical measures of manufacturing activity, such as employment, payrolls, value added, etc., are defined in essentially the same way for both the annual surveys and the census of manufactures. However, the bases for computing average employment vary for different years. For example, beginning with 1949, average employment was calculated from the figures reported for the pay periods ending nearest the 15th of March, May, August, and November, whereas for 1947 such averages were based on 12 monthly employment figures. In 1967, the average employment calculation was revised to the pay periods which include the 12th of March, May, August, and November to provide data more comparable with other statistical series.

Establishments and classification.—The censuses of manufactures for 1947 through 1977 cover operating manufacturing establishments as defined in the *Standard Industrial Classification Manual (SIC)*, issued by the U.S. Office of Management and Budget (see text, p. 372). The *Manual* is also used for classifying establishments in the annual surveys. The comparability of manufactures data over time is affected by changes in the official definitions of industries as presented in the *Manual*. It is important to note therefore that the 1972 edition of the *Manual* was used for the 1972 and 1977 censuses while the 1967 *Manual* was used for the 1967 census. For the censuses from 1947 to 1963, reports were required from all establishments employing one or more persons at any time during the census year. For the 1967 and 1972 censuses, reports were required only from establishments with 10 or more employees and establishments operated by multi-establishment companies. Data for single unit companies with less than 10 employees were estimated on the

basis of government administrative records and industry averages. In the 1977 Census, data were based on administrative records for all establishments with fewer than 5 employees; and, depending on the industry, for those with fewer than 20. Each of the establishments tabulated was classified in one of the more than 450 manufacturing industries as defined by the *SIC Manual* in 1972 and 1977, as compared to 400 industries in the 1967 census. The *Manual* defines an industry as a number of establishments producing a single product or a closely related group of products. In the main, an establishment is classified in a particular industry if its production of a product or product group exceeds in value added its production of any other product group. While some establishments produce only the products of the industry in which they are classified, few within an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect both the primary and secondary activities of the establishments in that industry. For this reason care should be exercised in relating such statistics to the total shipments figures of products primary to the industry.

The censuses for 1947 through 1977 were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory. It is not necessarily identical with the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

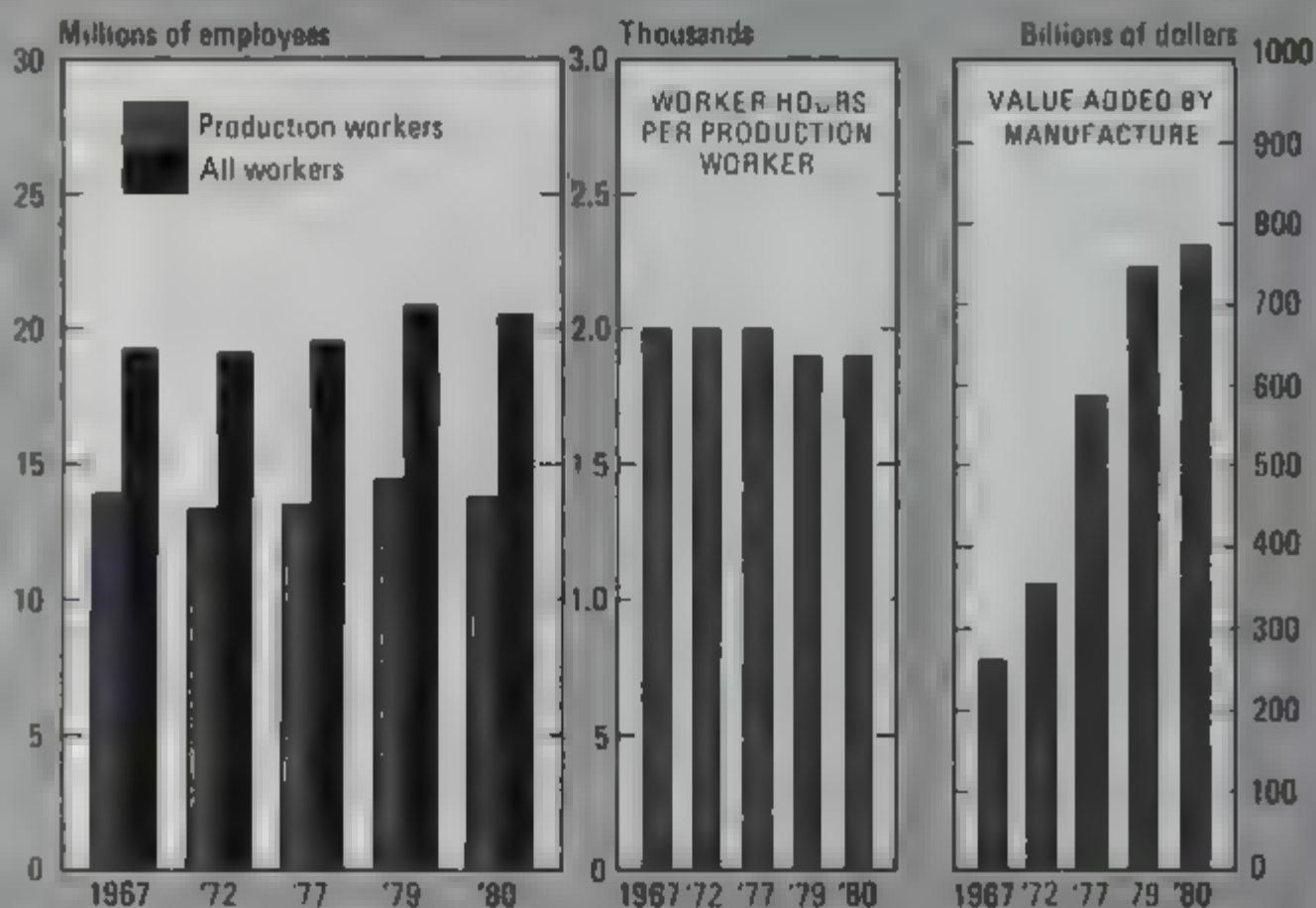
NO. 1376. NATIONAL INCOME ORIGINATING IN MANUFACTURING: 1954 TO 1981

(In billions of dollars, except percent. Prior to 1963, excludes Alaska and Hawaii. For definition of national income, see text, p. 415. Refers to national income without capital consumption adjustment. Data represent net value added at factor costs. See *Historical Statistics, Colonial Times to 1970*, series F 230, for single-year figures prior to revisions issued in 1981.)

ITEM	1954	1958	1963	1967	1972	1974	1975	1976	1977	1978	1979	1980	1981
Total manufacturing.....	96	108	144	184	262	301	318	367	413	465	509	538	581
Percent of national income.....	31	29	29	29	26	26	25	26	26	26	25	24	24
Durable goods.....	55	62	86	119	164	181	186	217	260	288	311	309	345
Percent of total.....	58	58	60	61	61	60	58	59	60	61	61	59	59
Machinery, except electrical.....	9	10	14	22	26	35	37	42	49	56	64	68	76
Electric and electronic equipment.....	7	6	12	18	23	28	27	31	36	41	45	48	54
Fabricated metal products.....	7	6	10	15	19	23	24	28	32	36	40	41	45
Primary metal industries.....	8	9	11	14	16	27	24	25	26	34	36	38	43
Other transportation equipment.....	6	6	10	14	13	15	16	18	20	23	26	30	33
Motor vehicles and equipment.....	8	5	11	13	20	18	19	27	33	35	32	20	25
Instruments and related products.....	2	3	4	6	7	9	9	11	12	14	15	18	20
Stone, clay, and glass products.....	3	4	5	6	9	10	10	12	13	16	17	18	17
Lumber and wood products.....	3	3	4	5	5	10	8	11	13	16	17	15	15
Miscellaneous manufacturing industries.....	2	2	3	3	5	5	5	6	7	7	8	8	9
Furniture and fixtures.....	2	2	2	3	4	6	5	5	6	7	8	6	6
Nondurable goods.....	40	46	57	75	96	121	132	160	143	179	198	219	236
Food and kindred products.....	9	11	14	18	20	24	31	31	34	35	36	41	47
Chemicals and allied products.....	6	8	10	13	18	22	25	29	31	33	35	36	43
Petroleum and coal products.....	4	4	4	6	7	15	15	19	19	21	26	36	36
Printing and publishing.....	5	5	7	10	14	15	17	18	21	24	26	28	31
Paper and allied products.....	3	4	5	7	9	12	12	14	15	17	19	20	21
Rubber and miscellaneous plastic products.....	2	3	4	5	6	9	9	10	12	14	15	15	18
Apparel and other textile products.....	4	4	6	7	10	11	11	12	14	15	15	16	17
Textile mill products.....	4	4	5	6	8	10	9	11	12	13	14	14	15
Tobacco manufactures.....	1	1	1	1	2	2	2	3	3	3	4	4	5
Leather and leather products.....	1	1	2	2	2	2	2	3	3	3	3	4	4

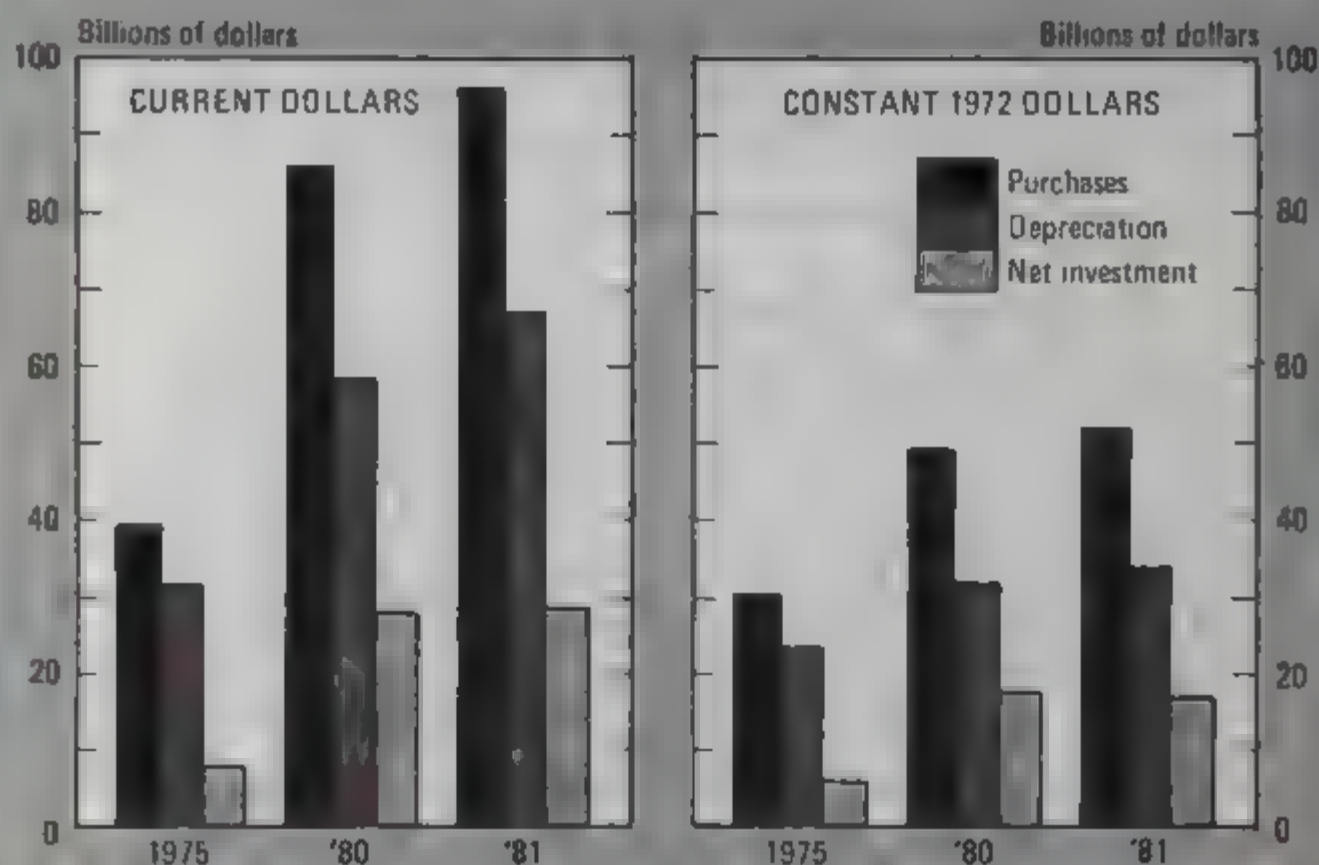
Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*, and *Survey of Current Business*, July 1982.

Figure 29 1

Manufactures—Summary: 1967 to 1980

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1377.

Figure 29 2

Capital in Manufacturing Establishments: 1975 to 1981

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1388.

NO. 1377. MANUFACTURES—SUMMARY: 1947 TO 1980

Prior to 1958, excludes Alaska and Hawaii. Census data, except as noted. For establishment coverage, see text, p. 765. See also *Historical Statistics, Colonial Times to 1970*, series P 1-12.

ITEM	Unit	1947	1954	1958	1963	1967	1972	1977	1978 ¹	1979 ²	1980 ³
Number of establishments ⁴	1,000	241	287	303	312	311	321	360	(NA)	(NA)	(NA)
With 20 or more employees	1,000	(NA)	90	95	102	107	114	119	(NA)	(NA)	(NA)
All employees, annual average ⁵	Million	14.3	18.1	18.0	17.0	19.3	18.0	18.6	20.5	21.0	20.8
Payroll, all employees	Bill. dol.	40	65	78	100	132	174	264	299	329	350
Payroll per employee	\$1,000	2.8	4.1	4.8	5.9	6.8	9.2	13.5	14.6	15.6	17.0
Production workers, annual average	Million	11.9	12.4	11.7	12.2	14.0	13.5	13.7	14.2	14.5	13.9
Percent of all employees	Percent	83.2	77.0	73.1	71.8	72.5	71.1	68.6	69.4	68.1	67.3
Hours, production workers	Billion	24.3	24.3	22.7	24.5	27.8	26.7	26.7	27.7	28.3	26.8
Hours per worker	1,000	2.0	2.0	1.9	2.0	2.0	2.0	2.0	1.9	1.9	1.9
Wages, production workers	Bill. dol.	30	45	50	62	81	108	157	178	193	198
Percent of payroll for all employees	Percent	75.0	69.2	64.1	62.0	61.4	60.9	59.5	59.0	58.6	56.5
Wages per worker	\$1,000	2.5	3.6	4.3	5.1	5.8	7.8	11.5	12.4	13.3	14.3
Wages per worker hour	Dollar	1.24	1.83	2.19	2.53	2.92	3.96	5.89	6.37	6.81	7.41
Value added by manufacture ⁶	Bill. dol.	74	117	142	192	262	354	565	657	748	773
Per production worker	\$1,000	6.2	9.5	12.1	15.7	18.8	26.2	42.7	46.2	51.4	55.8
Per production worker hour	Dollar	3.04	4.81	6.25	7.83	9.42	13.25	21.91	23.75	26.39	28.86
Per dollar of workers' wages	Dollar	2.47	2.80	2.84	2.90	3.23	3.34	3.79	3.73	3.86	3.80
Cost of materials	Bill. dol.	(NA)	(NA)	(NA)	230	299	407	782	877	999	1,093
Value of shipments ⁷	Bill. dol.	(NA)	(NA)	(NA)	421	557	757	1,359	1,523	1,727	1,851
Per production worker	\$1,000	(NA)	(NA)	(NA)	34.4	39.9	55.9	99.9	107.0	118.8	133.2
End-of-year inventories	Bill. dol.	28	40	49	60	84	108	188	209	239	262
Capital expenditures, new ⁸	Bill. dol.	6.0	8.2	9.5	11.4	21.5	24.1	47.5	55.2	61.5	70.6
Indices:											
Employment	1967=100	74	83	83	86	100	98	101	106	109	107
Value added	1967=100	29	45	54	73	100	135	222	251	266	285
Shipments	1967=100	(NA)	(NA)	(NA)	78	100	136	242	273	307	332
Ratios:											
Value added to shipments	Ratio	(NA)	(NA)	(NA)	45.8	47.0	46.7	42.9	43.1	43.3	41.7
Inventories to shipments	Ratio	(NA)	(NA)	(NA)	14.2	15.0	14.2	13.8	13.7	13.8	14.1
Payroll to value added	Ratio	54.0	56.4	54.9	52.0	50.3	49.1	45.2	45.5	44.0	45.3
Gross book value of depreciable assets	Bill. dol.	(NA)	(NA)	(NA)	158	218	301	439	479	523	574
Machinery and equipment	Bill. dol.	(NA)	(NA)	(NA)	(NA)	157	218	328	380	394	434
Assets per employee	\$1,000	(NA)	(NA)	(NA)	9.3	11.3	16.4	22.4	23.4	24.6	27.8

NA Not available. ¹Estimated data based on *Annual Survey of Manufactures*; see text, p. 765. ²Includes administrative and auxiliary units, except as noted. ³Excludes administrative offices and auxiliary units. ⁴Includes data for employees of manufacturing establishments engaged in distribution and construction work. ⁵Data for most industries in 1954 and for all industries since 1954 are based on pay periods ending nearest 15th of March, May, August, and November. For 1947, and industries of a seasonal type in 1954, data represent average of 12 monthly figures. ⁶Unadjusted for 1947; thereafter, adjusted. Unadjusted value added is obtained by subtracting cost of materials, supplies, containers, fuel, purchased electric energy, and contract work from value of shipments for products manufactured plus receipts for services rendered. Adjusted value added also takes into account (a) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories between beginning and end of year. ⁷Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification. ⁸Beginning 1954, includes plants under construction and not yet in operation.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1947, 1954, 1958, 1963, 1967, 1972*, and 1977 final reports; and *Annual Survey of Manufactures*.

NO. 1378. MANUFACTURES—SUMMARY, BY TYPE OF OPERATION: 1947 TO 1977

[A multiunit company operates establishments at more than one location. See text, p. 765.]

ITEM	Unit	1947	1954	1958	1963	1967	1972	1977
Multiunit companies: Establishments	1,000	35.2	31.8	41.9	45.9	51.7	70.2	81.2
Employees	Million	8.0	9.5	10.1	11.0	13.3	14.3	15.0
Production workers	Million	6.7	7.4	7.2	8.1	9.8	9.8	10.1
Payroll, all employees	Bill. dol.	22.8	40.6	51.6	68.2	99.8	138.8	214.2
Wages, production workers	Bill. dol.	17.8	29.0	33.5	44.7	60.9	81.9	124.9
Value added by manufacture	Bill. dol.	43.9	79.6	105.3	148.6	206.4	286.1	465.0
Capital expenditures, new	Bill. dol.	(NA)	6.5	7.5	8.9	18.6	20.0	41.0
Single unit companies: Establishments	1,000	205.8	255.0	258.3	260.8	254.0	250.5	278.7
Employees	Million	6.3	6.2	6.3	5.2	5.2	4.8	4.8
Payroll, all employees	Bill. dol.	16.9	22.3	21.9	25.1	28.5	35.4	49.8
Value added by manufacture	Bill. dol.	30.3	37.4	37.9	45.5	55.5	67.9	100.1

NA Not available. ¹Includes data obtained from Federal administrative records.

Source: U.S. Bureau of the Census, *1977 Census of Manufactures, Type of Organization*, subject series, MC77-04-7.

No. 1379. INDUSTRIAL PRODUCTION INDEXES, BY INDUSTRY: 1960 TO 1982

[1967 = 100. Based on 1967 *Standard Industrial Classification Manual* (see text, p. 706). See also *Historical Statistics, Colonial Times to 1970*, series P 13 and P 16-36]

MAJOR INDUSTRY GROUP	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982, Jan.- May
Industrial production.....	86	90	106	120	130	129	118	131	136	146	155	147	151	140
Manufacturing	86	90	106	119	130	128	116	130	136	147	154	147	150	138
Durable goods	85	88	102	114	127	125	108	122	130	140	148	137	141	127
Primary metals	72	102	107	112	127	123	95	110	111	120	121	102	108	86
Fabricated metal products	71	91	102	112	125	124	110	124	131	142	149	134	136	119
Electrical machinery	52	82	106	122	143	144	117	136	145	159	175	173	179	170
Nonelectrical machinery	57	85	104	118	134	140	125	135	144	154	164	155	171	155
Transportation equipment	65	85	90	108	118	109	97	111	122	133	135	117	116	105
Instruments	56	83	112	120	138	144	132	147	156	167	175	171	170	161
Clay, glass, stone products	79	86	106	121	134	133	118	136	146	157	164	148	148	125
Lumber and products	75	86	106	121	128	116	106	123	131	136	137	119	119	104
Furniture and fixtures	72	85	106	131	144	138	118	137	145	156	162	150	157	150
Miscellaneous	71	84	111	127	136	138	126	145	149	151	154	145	155	141
Nondurable goods	86	81	112	127	134	126	126	142	151	157	164	161	165	154
Textile mill products	69	93	112	133	143	133	122	135	134	138	145	139	135	123
Apparel products	82	87	101	109	117	114	106	126	134	134	134	127	120	(NA)
Leather and products	90	98	80	88	83	78	77	74	74	72	70	69	69	64
Paper and products	66	92	115	129	137	136	116	133	138	145	151	151	155	153
Printing and publishing	71	88	107	113	118	116	113	123	128	132	137	140	144	137
Chemicals and products	58	88	120	144	155	159	147	171	186	197	212	207	216	196
Petroleum products	77	92	113	122	129	125	124	134	143	145	144	133	130	118
Rubber and plastics products	52	66	132	172	184	195	187	200	232	254	272	254	274	255
Foods	79	92	109	117	121	124	123	133	139	143	145	150	152	140
Tobacco products	81	100	102	106	112	110	112	117	113	118	118	120	122	121
Mining	80	99	112	113	115	118	113	114	118	124	126	133	142	137
Utilities	83	88	125	139	145	144	146	152	157	161	166	166	169	171
Energy ¹	70	88	117	125	128	128	126	129	133	136	138	136	137	138

¹ Production of energy is represented by output of primary energy, such as crude oil, natural gas, and coal mining, and by the conversion of primary energy to other energy forms for final consumption.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1380. CAPACITY UTILIZATION RATES IN MANUFACTURING: 1965 TO 1981

[In percent. Annual figures are averages of quarterly data, except yearend 1965. Capacity represents maximum practical amount of output that can be produced with current stock of plant and equipment]

INDUSTRY	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
All manufacturers.....	86	81	80	83	86	83	77	81	83	84	83	78	78
Firms with assets of—													
\$100 million and over	89	83	83	86	88	85	78	84	86	86	85	79	77
\$10 million-\$99.9 million	85	79	78	81	83	81	75	78	80	81	81	78	77
Under \$10 million	80	73	73	77	79	77	72	76	78	78	76	72	74
Durable goods ¹	86	79	78	82	85	82	76	81	84	84	83	77	74
Electrical machinery	83	76	76	81	82	83	73	80	82	83	82	80	78
Machinery except electrical	85	88	81	84	87	88	83	86	89	91	91	80	89
Transportation equipment ¹	89	75	81	85	87	78	76	82	86	86	85	72	68
Motor vehicles	96	81	92	87	100	83	83	83	90	95	94	67	63
Aircraft	79	68	65	69	69	71	65	65	68	70	76	76	75
Primary metals	(NA)	62	75	86	88	88	73	78	80	84	84	74	73
Stone, clay, and glass	84	78	80	83	83	79	70	77	79	80	80	73	70
Nondurable goods ¹	85	83	83	85	88	84	79	82	82	82	82	79	78
Food, including beverages	75	82	81	81	81	80	77	77	79	79	79	76	76
Textiles	83	82	84	86	90	81	78	85	86	85	85	80	80
Paper	95	88	88	90	94	91	79	87	86	88	91	88	86
Chemicals	85	82	81	84	88	85	74	80	78	80	83	78	75
Petroleum	95	95	94	94	97	89	89	93	92	90	88	81	74
Rubber	93	82	86	89	88	85	74	80	85	83	77	70	72

NA Not available. ¹ Includes items not shown separately.

Source: U.S. Bureau of Economic Analysis. Quarterly data in *Survey of Current Business*, monthly.

No. 1381. MANUFACTURES SUMMARY.

[Sum of State totals may not add to U.S. total]

	STATE	1967				1972				1977		
		Establishments ¹ total	All employees ²		Value added by manu- facture ⁴ (mil. dol.)	Establish- ments ¹ total	All employees ²		Value added by manu- facture ⁴ (mil. dol.)	Establishments ¹		All employ- ees, num- ber ^{2,3} (1,000)
			Num- ber ² (1,000)	Payroll (mil. dol.)			Num- ber ² (1,000)	Payroll (mil. dol.)		Total	With 20 or more em- ployees	
1	U.S.....	311,149	19,323	132,209	361,964	320,710	19,029	174,206	353,954	359,928	118,099	19,990
2	N.E.....	24,298	1,562	10,198	18,972	23,732	1,363	11,566	22,508	25,737	8,861	1,380
3	Maine.....	2,385	111	577	1,070	2,076	100	699	1,363	2,157	595	103
4	N.H.....	1,461	95	513	932	1,434	90	663	1,279	1,825	623	95
5	Vt.....	925	43	259	515	860	37	311	576	1,030	298	42
6	Mass.....	10,963	714	4,646	8,715	10,770	619	5,486	10,678	11,133	4,054	613
7	R.I.....	2,703	122	700	1,351	2,756	118	688	1,764	3,107	945	125
8	Conn.....	5,829	478	3,494	6,390	5,836	399	3,860	6,828	6,485	2,366	412
9	M.A.....	76,422	4,206	30,527	57,262	71,566	3,933	37,123	70,331	71,006	24,904	3,617
10	N.Y.....	42,911	1,829	13,852	25,247	38,341	1,679	16,220	30,404	36,578	11,425	1,510
11	N.J.....	14,740	681	6,325	12,736	15,089	836	8,107	16,409	15,606	5,775	776
12	Pa.....	18,771	1,550	10,350	19,277	18,396	1,418	12,794	23,519	18,735	7,704	1,329
13	E.N.C.....	63,062	5,151	36,495	75,016	64,674	4,933	50,989	99,951	69,237	25,941	4,974
14	Ohio.....	15,428	1,397	10,523	20,435	18,390	1,346	13,810	27,171	17,354	6,726	1,331
15	Ind.....	6,920	710	5,023	10,308	7,354	704	6,862	14,112	8,061	3,229	706
16	Ill.....	18,536	1,397	10,014	20,017	18,618	1,308	12,801	25,849	19,517	7,441	1,266
17	Mich.....	14,340	1,134	9,357	17,242	14,467	1,076	12,745	23,376	15,627	5,360	1,116
18	Wis.....	7,836	512	3,578	7,014	7,845	501	4,722	9,443	8,678	3,163	535
19	W.N.C.....	20,623	1,206	8,165	18,773	21,467	1,262	10,923	22,508	24,321	7,804	1,297
20	Minn.....	5,409	300	2,107	4,060	5,698	302	2,889	5,524	6,637	2,126	332
21	Iowa.....	3,388	210	1,435	3,251	3,367	216	2,039	4,756	3,783	1,245	240
22	Mo.....	6,545	452	3,049	5,895	6,732	434	3,887	8,169	7,354	2,429	433
23	N. Dak.....	454	8	42	113	482	10	79	201	571	145	14
24	S. Dak.....	604	16	93	171	606	17	135	285	740	195	23
25	Nebr.....	1,672	77	476	1,150	1,723	85	704	1,733	1,965	626	88
26	Kans.....	2,551	144	965	2,112	2,639	137	1,181	2,915	3,270	1,037	166
27	S.A.....	37,961	2,502	14,014	29,313	41,535	2,739	20,840	44,362	47,962	15,589	2,823
28	Del.....	528	71	588	958	567	69	755	1,292	619	231	67
29	Md.....	3,401	268	1,956	3,781	3,579	256	2,386	4,707	3,937	1,351	244
30	D.C.....	563	23	179	333	564	19	215	376	555	130	19
31	Va.....	4,938	340	1,905	4,068	4,837	375	2,826	6,178	5,519	1,879	395
32	W. Va.....	1,844	124	832	2,170	1,734	121	1,098	2,647	1,857	583	117
33	N.C.....	8,266	643	3,066	6,607	8,632	744	4,929	11,015	9,954	4,005	765
34	S.C.....	3,465	304	1,502	3,030	3,719	345	2,345	4,966	4,229	1,560	374
35	Ga.....	6,976	423	2,231	4,684	7,629	468	3,336	7,366	8,623	2,906	485
36	Fla.....	7,950	285	1,755	3,683	10,275	343	2,750	5,787	12,399	2,915	358
37	E.S.C.....	16,746	1,092	6,909	13,718	16,525	1,249	9,211	21,234	19,187	8,797	1,380
38	Ky.....	2,994	225	1,352	3,636	3,167	259	2,160	5,682	3,548	1,316	278
39	Tenn.....	5,040	418	2,190	4,921	5,847	467	3,352	7,662	6,487	2,477	490
40	Ala.....	4,951	289	1,603	3,526	4,984	323	2,397	5,065	5,663	1,855	341
41	Miss.....	2,761	160	764	1,635	2,727	200	1,302	2,825	3,269	1,147	219
42	W.S.C.....	21,983	1,863	6,855	16,617	24,020	1,239	10,296	24,933	25,796	9,048	1,442
43	Ark.....	2,911	144	666	1,558	2,897	181	1,152	2,800	3,595	1,101	197
44	La.....	3,639	165	1,084	2,790	3,657	179	1,601	4,273	4,276	1,236	195
45	Okla.....	2,611	118	764	1,346	3,042	143	1,186	2,270	3,818	1,067	164
46	Tex.....	12,722	658	4,340	10,922	14,424	736	6,345	15,259	16,107	5,644	886
47	Mt.....	8,679	315	2,123	4,522	10,119	388	3,469	7,446	13,933	3,220	461
48	Mont.....	923	20	130	312	943	21	185	463	1,168	203	24
49	Idaho.....	1,131	37	220	503	1,190	43	340	821	1,495	379	52
50	Wyo.....	331	6	37	86	377	7	57	144	505	102	9
51	Colo.....	2,481	104	731	1,509	2,841	133	1,296	2,504	3,948	961	153
52	N. Mex.....	749	17	99	205	926	24	157	358	1,323	258	29
53	Ariz.....	1,630	77	543	995	2,037	94	855	1,880	2,892	677	111
54	Utah.....	1,124	47	315	778	1,356	57	486	1,069	1,746	494	70
55	Nev.....	330	7	50	134	447	10	92	206	729	147	15
56	Pac.....	42,433	2,060	15,911	29,675	46,829	1,863	19,685	50,969	59,196	16,534	2,255
57	Wash.....	5,014	271	2,119	3,764	5,345	226	2,308	4,721	6,723	1,712	265
58	Oreg.....	4,437	163	1,063	2,061	4,670	179	1,627	3,490	5,716	1,580	202
59	Calif.....	31,962	1,584	12,515	23,394	35,699	1,546	15,463	31,195	45,289	12,663	1,752
60	Alaska.....	323	8	56	130	342	8	75	170	429	126	11
61	Hawaii.....	697	25	140	326	773	25	191	410	949	231	25

X Not applicable. ¹Includes central administrative offices and auxiliary units. ²Includes employment and payroll at administrative offices and auxiliary units. ³"All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 12th of March. "Production workers" represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November.

BY STATE: 1967 TO 1980

because U.S. and State figures were independently derived]

1977—Con.				1980			Leading major industry groups ranked by value added by manufacture, 1980	
All employ- ees, pay- roll ¹ (mil. dol.)	Production workers ²		Value added by manu- facture ⁴ (mil. dol.)	All employ- ees, num- ber ³ (1,000)	Value added by manu- facture ⁴ (mil. dol.)	Value of ship- ments ⁵ (mil. dol.)		
Number ³ (1,000)	Wages (mil. dol.)							
264,013	13,691	157,184	585,166	20,444	773,441	1,850,899	Mech. exc. electrical; trans. equip.; chemicals.	1
17,802	943	9,823	35,567	1,558	51,832	98,436	(x)	2
1,078	84	781	2,343	116	3,600	7,697	Paper, leather, lumber	3
1,029	72	645	2,175	107	3,808	8,589	Elec. equip., machinery exc. elec., paper	4
498	29	270	1,050	49	1,687	3,197	Elec. equip., mach. exc. elec. fabricated metal.	5
7,819	408	4,199	16,349	694	23,221	43,535	Machinery exc. elec. elec. equip., instruments.	6
1,327	96	825	2,737	130	3,545	7,377	Misc. mfg., fabricated metal; primary metal.	7
5,552	255	2,902	10,834	463	15,973	28,041	Trans. equip., mach. exc. elec., fabricated metal.	8
49,843	2,382	26,929	103,160	3,700	135,323	288,617	(x)	9
20,676	958	10,419	44,290	1,547	58,140	112,213	Instruments, print. and publish., elec. equip.	10
10,824	490	5,562	22,853	814	30,137	66,470	Chemicals; food; electrical equip.	11
18,043	934	10,949	36,017	1,340	47,046	107,935	Primary metal; machinery exc. electrical; food.	12
78,908	3,475	48,128	160,223	4,745	185,691	441,859	(x)	13
20,358	924	12,808	43,055	1,253	50,178	113,974	Mach. exc. elec., trans. equip., fabricated metal.	14
10,439	522	7,047	22,718	654	26,921	63,440	Electrical equip., trans. equip., primary metal.	15
18,741	858	10,757	40,279	1,272	50,543	121,268	Machinery exc. elec., food; elec. equip.	16
20,054	789	12,721	37,588	1,016	36,723	92,948	Trans. equip., machinery exc. elec., fab. metal.	17
7,318	381	4,897	16,606	551	21,327	50,209	Machinery exc. elec., food; paper	18
17,399	891	10,331	40,621	1,399	55,141	144,860	(x)	19
4,883	211	2,413	8,805	384	14,305	32,963	Machinery exc. elec., food; fabricated metal.	20
3,383	171	2,191	8,684	245	11,570	30,854	Machinery exc. elec., food; chemicals.	21
5,709	289	3,405	13,042	439	16,373	38,715	Transportation equip., food; chemicals.	22
162	9	97	473	18	557	2,108	Machinery exc. elec. food; petroleum and coal.	23
251	17	169	612	26	989	2,720	Food; machinery exc. electrical; instruments.	24
1,075	63	681	2,867	85	3,969	13,580	Food; machinery exc. elec., elec. equip.	25
2,115	122	1,371	5,338	193	7,498	24,121	Trans. equip. machinery exc. elec., food.	26
31,502	2,131	19,998	72,304	3,060	100,367	231,731	(x)	27
1,141	32	410	1,598	71	2,468	8,030	Chemicals; transp. equip.; food.	28
3,420	163	1,976	7,116	252	9,349	20,291	Food; electronic equipment; primary metal.	29
298	8	102	610	17	780	1,231	Printing and publishing, food; fabricated metal.	30
4,442	302	2,917	10,882	418	15,120	33,118	Chemicals; food; tobacco	31
1,621	89	1,124	3,880	115	4,882	11,238	Chem. primary metal; stone, clay glass prod.	32
7,519	611	5,086	18,231	820	24,947	56,029	Textiles, tobacco, chemicals.	33
3,805	300	2,640	8,168	391	11,133	25,383	Textiles, chemicals; machinery exc. elec.	34
5,125	376	3,404	12,549	525	16,697	43,157	Textiles; transportation equipment; food.	35
4,133	250	2,336	9,255	452	15,013	33,257	Food; electrical equip., chemicals.	36
14,506	1,036	9,969	36,234	1,321	46,392	111,166	(x)	37
3,452	209	2,303	8,548	270	11,917	28,845	Machinery exc. elec., food, elec. equip.	38
5,219	376	3,481	12,683	491	16,138	36,397	Chemicals; food; machinery exc. elec.	39
3,773	273	2,698	8,406	349	11,344	28,552	Primary metals; paper chemicals.	40
2,062	178	1,477	5,619	212	8,994	17,362	Petroleum; elec. equip.; transp. equip.	41
18,319	1,017	10,990	52,112	1,851	73,850	247,547	(x)	42
1,932	161	1,401	4,862	199	6,318	16,483	Electronic equipment; food; paper	43
2,683	145	1,799	6,418	209	12,893	50,319	Chemicals; petroleum; food.	44
2,051	110	1,164	4,662	197	7,297	21,764	Machinery exc. elec., fabricated metal; petroleum.	45
11,653	601	6,626	33,150	1,047	47,145	158,961	Chemicals, petroleum; machinery exc. electrical.	46
5,991	312	3,489	13,622	564	21,042	52,958	(x)	47
312	19	236	802	24	1,372	4,710	Primary metals; lumber; petroleum.	48
625	40	432	1,430	50	1,931	4,967	Lumber food; chemicals.	49
111	6	74	382	10	601	2,819	Petroleum; chemicals; stone, glass, clay.	50
2,125	98	1,143	4,472	167	6,553	15,396	Food; instruments, machinery exc. elec.	51
297	21	184	734	33	1,067	3,069	Primary metals; petroleum; food.	52
1,463	70	781	3,333	148	5,327	11,175	Elec. equip. machinery exc. elec., trans. equip.	53
687	49	522	1,874	93	3,415	8,845	Machinery exc. electrical; primary metals; trans. equip.	54
192	10	113	495	18	675	1,377	Stone, clay, glass; print and publishing, food.	55
31,929	1,505	17,720	71,246	2,646	104,203	236,335	(x)	56
4,054	181	2,385	8,955	312	13,975	35,378	Transportation equipment; lumber; food.	57
2,760	155	1,902	6,138	221	7,915	18,900	Lumber; food; instruments.	58
24,672	1,143	13,151	54,862	2,075	80,450	178,831	Transportation equip., elec. equip., food.	59
166	9	123	504	12	814	1,758	Food; chemicals; paper	60
277	17	161	786	27	1,249	3,470	Food; petroleum; printing and publishing.	61

¹For definition, see footnote 6, table 1377²See footnote 7, table 1377Source: U.S. Bureau of the Census, *Census of Manufactures, 1967 and 1972, General Summary*, MC 67(1)-1 and MC 72(1)-1; *Census of Manufactures, 1977, vol. III, Area Statistics*; and *Annual Survey of Manufactures*.

No. 1382. MANUFACTURES SUMMARY

[Data based on various editions of the *Standard Industrial Classification Manual*, published by the Office of

Industry code ¹	INDUSTRY GROUP	1967				1972			
		Establishments (number)	All employees		Value added by manufacture ³ (mil. dol.)	Establishments (number)	All employees		Value added by manufacture ³ (mil. dol.)
			Number ² (1,000)	Pay-roll (mil. dol.)			Number ² (1,000)	Pay-roll (mil. dol.)	
(x)	All manufacturing establishments, incl. central administrative offices.....	311,140	19,323	132,208	261,964	320,701	19,027	174,187	353,973
20	Food and kindred products	⁴ 32,518	1,650	10,077	26,621	26,183	1,569	12,920	35,615
201	Meat products	4,914	310	1,954	3,551	4,437	308	2,544	4,961
202	Dairy products	6,188	232	1,449	3,466	4,590	189	1,596	4,054
203	Preserved fruits and vegetables	3,528	223	1,084	⁴ 3,238	2,557	233	1,534	4,514
204	Grain mill products	3,202	112	758	2,882	3,060	111	1,013	3,699
205	Bakery products	4,300	264	1,665	3,495	3,633	235	2,029	4,537
206	Sugar and confectionery products	182	114	644	1,900	1,249	107	832	2,473
207	Fats and oils	(NA)	44	297	919	860	40	366	1,291
208	Beverages	4,376	221	1,525	4,790	3,624	212	2,033	6,689
209	Misc. foods and kindred products	4,496	130	700	2,375	4,153	134	974	3,397
21	Tobacco products	329	75	377	⁴ 2,032	272	65	502	2,637
211	Cigarettes	16	37	221	⁴ 1,640	20	38	345	2,186
212	Cigars	148	19	71	⁴ 196	124	14	68	192
213	Chewing and smoking tobacco	46	4	18	⁴ 64	37	3	23	103
214	Tobacco stemming and redrying	119	16	66	⁴ 133	91	11	66	154
22	Textile mill products	7,080	929	4,391	5,153	7,201	953	6,051	11,716
221	Weaving mills, cotton	393	203	938	1,624	307	121	745	1,256
222	Weaving mills, manmade fiber	396	109	529	922	412	150	979	1,832
223	Weaving, finishing mills, wool	310	42	216	429	196	19	132	239
224	Narrow fabric mills	384	26	121	214	376	27	162	269
225	Knitting mills	2,698	241	1,036	1,914	2,723	277	1,647	3,181
226	Textile finishing, except wool	641	74	416	710	655	80	564	1,114
227	Floor covering mills	385	44	228	599	527	60	415	1,076
228	Yarn and thread mills	768	119	505	946	807	148	866	1,580
229	Misc. textile goods	1,105	72	401	795	1,196	72	540	1,149
23	Apparel, other textile products	26,393	1,357	5,582	10,064	24,438	1,363	7,212	13,486
231	Men's and boys' suits and coats	1,003	136	642	1,048	856	125	770	1,342
232	Men's and boys' furnishings	2,853	345	1,212	2,181	2,787	363	1,692	3,242
233	Women's and misses' outerwear	9,416	409	1,756	3,183	9,526	433	2,270	4,102
234	Women's, children's undergarments	1,213	114	444	867	1,002	105	525	1,049
235	Hats, caps, and millinery	843	24	102	164	496	15	73	133
236	Children's outerwear	1,334	78	296	538	1,061	75	368	709
237	Fur goods	1,304	9	59	117	797	5	41	86
238	Misc. apparel and accessories	1,397	71	285	510	1,302	62	336	636
239	Misc. fabricated textile products	7,030	173	785	1,457	6,611	186	1,139	2,188
24	Lumber and wood products ¹	36,795	564	2,799	4,973	33,949	601	4,996	10,310
241	Logging camps, log contractors	16,334	71	339	695	13,238	80	524	1,163
242	Sawmills and planing mills	11,481	216	1,028	1,784	9,452	204	1,488	3,259
243	Millwork, plywood, and structural members ¹	4,558	154	896	1,505	5,506	191	1,474	2,908
244	Wood containers ¹	905	31	135	239	1,160	37	204	359
245	Wood buildings and mobile homes	(NA)	(NA)	(NA)	(NA)	993	97	745	1,491
249	Misc. wood products ¹	3,537	83	401	750	3,600	82	550	1,129
25	Furniture and fixtures	10,008	425	2,258	4,170	9,233	462	3,205	6,097
251	Household furniture ¹	6,306	298	1,456	2,650	5,369	317	2,024	3,861
252	Office furniture	365	35	225	478	433	39	330	660
253	Public building, related furniture	438	23	132	234	422	21	158	296
254	Partitions and fixtures	1,970	48	324	587	2,010	57	484	871
259	Misc. furniture and fixtures	929	22	121	221	999	27	210	410
26	Paper and allied products	5,890	639	4,436	9,756	6,038	633	5,992	13,064
261	Pulpmills	61	15	126	334	60	11	126	307
262	Papermills, except building paper	354	140	1,121	2,356	349	130	1,440	2,909
263	Paperboard mills	283	67	534	1,509	273	69	778	1,994
264	Misc. converted paper products	2,492	187	1,187	2,833	2,525	189	1,630	4,006
265	Paperboard containers and boxes	2,606	219	1,387	2,541	2,739	224	1,907	3,599
266	Building paper and board mills	94	12	83	184	92	12	112	247

For footnotes, see pp. 776 and 777.

FOR INDUSTRY GROUPS: 1967 TO 1980

Management and Budget; see text, p. 766. See also *Historical Statistics, Colonial Times to 1970*, series P 59-67]

1977								1980			
Establishments		All employees		Production workers		Value added by manufacture ² (mil. dol.)	Capital expenditures, new ³ (mil. dol.)	All employees		Value added by manufacture ² (mil. dol.)	Capital expenditures, new ³ (mil. dol.)
Total	With 20 or more employees	Number ¹ (1,000)	Payroll (mil. dol.)	Number ¹ (1,000)	Wages (mil. dol.)			Number ¹ (1,000)	Payroll (mil. dol.)		
389,329	116,689	79,590	284,013	13,991	157,184	585,198	47,459	20,846	380,351	772,890	70,866
28,656	11,038	1,520	18,544	1,072	11,731	66,062	4,218	1,537	23,222	75,302	8,862
4,534	1,715	309	3,702	254	2,817	7,478	533	325	4,678	10,018	854
3,731	1,817	154	1,939	86	989	6,548	389	149	2,292	7,477	540
2,379	1,263	235	2,336	199	1,793	7,885	471	234	2,958	9,545	890
3,043	1,076	113	1,576	79	1,034	6,629	620	114	1,993	9,133	723
3,386	1,269	222	2,896	131	1,525	7,073	365	230	3,616	9,018	397
1,198	518	105	1,208	84	688	4,151	313	97	1,421	5,914	437
869	466	41	581	30	395	1,905	208	43	712	2,823	■
3,104	1,689	195	2,849	100	1,369	9,001	994	197	3,619	13,519	1,506
4,412	1,413	146	1,509	111	972	5,596	322	149	1,933	7,858	551
229	123	61	751	69	571	4,334	182	69	1,046	■,111	■
14	13	39	568	33	442	3,803	118	39	842	5,367	326
101	34	8	56	7	44	129	3	6	56	136	2
35	19	3	32	3	22	■	7	4	44	342	13
78	57	11	96	6	63	217	53	9	104	293	26
7,302	4,131	876	7,891	765	6,203	18,106	1,234	817	9,263	18,058	1,496
314	162	117	1,047	107	902	1,945	187	108	1,250	2,361	218
449	351	151	1,429	135	1,169	2,791	260	143	1,731	3,575	372
165	84	15	137	13	108	313	15	15	173	399	23
335	182	21	172	18	131	351	16	21	225	426	22
2,617	1,511	236	1,911	206	1,470	3,883	245	226	2,283	4,617	298
678	396	72	740	60	554	1,417	125	80	762	1,647	108
592	285	58	557	44	380	1,530	83	52	640	1,805	110
796	808	141	1,184	127	994	2,256	180	132	1,380	2,643	232
1,254	523	68	706	55	498	1,641	112	62	801	1,513	114
28,896	11,832	1,334	9,469	1,157	7,283	19,871	467	1,307	11,354	23,426	698
737	467	99	622	86	646	1,574	26	81	834	1,587	30
3,013	2,129	385	2,340	323	1,883	4,935	118	354	2,668	6,269	180
11,834	5,556	448	3,153	387	2,304	6,430	134	456	3,767	7,518	186
678	586	82	613	79	449	1,250	23	84	767	1,622	36
409	189	15	105	13	79	188	4	20	■	331	22
1,002	688	71	459	61	349	879	14	72	556	1,136	21
620	48	4	62	3	36	113	1	4	68	156	1
1,284	593	56	406	46	266	845	21	61	536	1,083	20
6,726	1,889	165	1,707	156	1,238	3,459	116	184	1,778	3,724	132
37,302	7,088	882	7,425	695	■	16,223	1,583	899	8,806	18,078	2,029
15,489	708	83	1,009	75	640	2,419	387	87	1,233	3,131	451
9,000	2,273	211	2,226	188	1,849	4,976	595	207	2,854	5,249	795
6,149	1,676	197	2,218	167	1,715	4,701	273	202	2,700	5,025	410
1,849	540	38	300	33	234	540	30	40	378	711	35
1,165	752	80	858	63	576	1,789	110	66	937	1,825	85
3,570	905	83	813	69	581	1,800	■	84	1,009	2,139	251
10,236	3,586	484	4,448	384	3,182	8,922	399	473	6,623	11,631	596
6,161	2,224	310	2,889	265	1,999	5,213	211	309	3,206	8,402	292
523	233	45	543	35	378	1,236	68	53	613	1,940	■
420	165	20	214	16	133	416	22	22	275	556	34
2,134	666	57	675	44	454	1,311	59	61	675	1,736	■
997	280	32	347	24	230	747	29	34	455	996	49
6,545	3,999	639	8,943	■	6,329	22,171	3,296	646	11,706	29,688	5,226
45	42	16	293	13	221	908	301	18	405	1,293	259
339	287	127	2,187	100	1,632	5,407	1,115	130	2,936	7,708	1,897
249	232	68	1,176	53	888	3,061	934	64	1,514	3,825	1,586
2,994	1,435	207	2,606	158	1,771	7,263	507	228	3,529	10,175	789
2,880	1,950	204	2,602	157	1,733	5,296	421	201	3,212	6,464	645
58	53	7	■	8	78	218	17	7	109	224	40

No. 1382. MANUFACTURES SUMMARY

(See headnote.)

Industry code ¹	INDUSTRY GROUP	1967				1972			
		Establishments (number)	All employees		Value added by manu- facture ² (mil. dol.)	Establishments (number)	All employees		Value added by manu- facture ² (mil. dol.)
			Number ³ (1,000)	Payroll (mil. dol.)			Number ³ (1,000)	Payroll (mil. dol.)	
27	Printing and publishing	37,989	1,831	7,182	14,355	42,193	1,957	8,831	20,219
271	Newspapers	8,094	338	2,224	4,185	8,116	349	3,186	6,220
272	Periodicals	2,510	79	634	1,889	2,534	87	709	2,110
273	Books	1,788	97	688	1,987	1,905	98	919	2,540
274	Misc. publishing	1,493	31	197	418	2,041	39	331	776
275	Commercial printing ⁴	19,497	831	2,956	3,844	22,282	344	3,277	5,685
276	Manifold business forms	542	34	240	551	667	39	344	824
277	Greeting card publishing ⁴	222	28	151	372	199	24	182	527
278	Blankbooks and bookbinding	1,462	54	294	506	1,465	52	372	687
279	Printing trades services ⁴	2,403	42	386	544	2,894	47	521	831
28	Chemicals and allied products ⁴	11,798	841	6,443	23,560	11,435	837	8,731	32,414
281	Industrial inorganic chemicals ⁴	2,032	248	2,090	7,737	1,049	100	1,079	3,343
282	Plastics materials, synthetics ⁴	771	172	1,292	3,799	481	182	1,686	4,836
283	Drugs	1,129	118	942	4,073	1,078	130	1,413	6,131
284	Soap, cleaners, toilet goods ⁴	2,508	97	664	3,830	2,573	112	1,056	6,201
285	Paints and allied products	1,701	88	482	1,319	1,599	86	847	1,792
286	Industrial organic chemicals	184	6	34	101	827	137	1,814	6,073
287	Agricultural chemicals ⁴	1,278	46	261	1,006	1,233	45	436	1,737
289	Misc. chemical products ⁴	2,196	88	628	1,587	2,605	83	814	2,203
29	Petroleum and coal products	1,889	142	1,318	5,428	2,016	149	1,536	5,793
291	Petroleum refining	437	107	965	4,745	323	101	1,247	4,985
295	Paving and roofing materials	1,088	27	186	456	1,189	30	297	848
299	Misc. petroleum and coal products	345	8	65	225	484	9	94	352
30	Rubber and miscellaneous plastics products ⁴	8,486	517	3,287	8,890	9,237	618	5,186	11,863
301	Tires and inner tubes	182	83	775	1,823	208	108	1,214	3,071
302	Rubber, plastics footwear ⁴	65	29	141	245	107	32	183	370
303	Reclaimed rubber	24	2	12	23	20	1	9	18
304	Rubber and plastics hose, tubing	(NA)	(NA)	(NA)	(NA)	90	32	309	619
306	Fabricated rubber products, n.e.c. ⁴	1,189	142	823	1,741	1,116	99	809	1,573
307	Misc. plastics products ⁴	4,996	252	1,436	2,966	7,696	347	2,642	6,006
31	Leather and leather products	3,845	329	1,488	2,827	3,391	273	1,589	2,817
311	Leather tanning and finishing	519	31	186	319	517	26	200	386
313	Boot, shoe cut stock, findings	379	14	60	109	248	9	50	86
314	Footwear except rubber	1,083	211	889	1,820	917	176	973	1,786
315	Leather gloves and mittens	147	6	22	36	106	5	22	43
316	Luggage	333	21	97	186	277	17	107	194
317	Women's handbags and purses	782	37	183	279	686	34	195	345
319	Leather goods, n.e.c. ⁴	365	6	26	46	446	7	43	84
32	Stone, clay, and glass products	16,550	990	3,828	8,339	19,015	923	5,547	12,887
321	Flat glass	64	24	197	423	32	21	242	682
322	Glass, pressed or blown	305	109	698	1,501	399	119	1,058	2,341
323	Products of purchased glass	687	29	182	394	913	34	296	689
324	Cement, hydraulic	187	33	248	812	198	30	349	1,154
325	Structural clay products	651	60	344	612	775	52	391	771
326	Pottery and related products	619	43	247	419	620	45	335	601
327	Concrete, gypsum, plaster products	10,004	169	1,103	2,478	10,115	193	1,741	3,640
328	Cut stone and stone products	611	17	91	148	908	15	109	191
329	Misc. nonmetallic mineral products ⁴	1,842	106	726	1,547	2,085	115	1,025	2,368
33	Primary metal industries ⁴	9,337	1,381	8,861	19,878	8,792	1,143	12,187	23,399
331	Blast furnace and basic steel products	861	617	5,022	10,170	970	653	6,369	12,116
332	Iron and steel foundries	1,436	233	1,841	2,831	1,400	219	2,155	3,481
333	Primary nonferrous metals	144	53	406	1,362	177	59	627	1,708
334	Secondary nonferrous metals	403	17	123	271	361	18	170	411
335	Nonferrous rolling and drawing	833	195	1,438	3,325	908	188	1,671	3,600
336	Nonferrous foundries	1,866	90	609	1,066	1,841	81	722	1,288
339	Misc. primary metal products ⁴	1,272	76	613	1,122	1,120	25	233	476

For footnotes, see pp. 776 and 777.

FOR INDUSTRY GROUPS: 1967 TO 1980—Continued

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								1980			
Establishments		All employees		Production workers		Value added by manufacture ³ (mil. dol.)	Capital expenditures, new ⁴ (mil. dol.)	All employees		Value added by manufacture ³ (mil. dol.)	Capital expenditures, new ⁴ (mil. dol.)
Total	With 20 or more employees	Number ² (1,000)	Payroll (mil. dol.)	Number ² (1,000)	Wages (mil. dol.)			Number ² (1,000)	Payroll (mil. dol.)		
48,767	8,132	1,082	14,026	626	7,322	31,880	—	1,389	18,843	44,376	2,813
8,867	2,147	350	4,306	147	1,805	9,519	478	414	5,762	12,810	882
2,984	525	70	1,020	11	116	3,783	79	78	1,428	5,800	133
2,694	716	106	1,379	51	544	4,291	134	113	1,731	5,496	221
2,352	335	42	503	15	160	1,291	39	47	644	1,793	—
26,815	3,637	356	4,702	275	3,275	8,551	640	415	6,378	11,900	844
795	477	45	575	33	391	1,492	82	49	785	2,184	168
168	52	18	227	11	108	656	19	21	308	1,015	51
1,492	578	56	579	46	419	1,149	55	87	814	1,761	98
3,582	667	48	735	38	516	1,288	72	59	1,000	1,818	148
12,173	4,802	880	13,838	544	7,446	56,721	8,199	910	18,288	73,385	5,763
1,282	480	110	1,847	68	1,033	6,487	1,058	115	2,464	8,773	1,013
551	408	157	2,471	111	1,558	7,843	1,316	152	3,158	9,760	2,010
1,243	482	156	2,480	80	987	9,840	578	173	3,419	13,480	918
2,528	739	112	1,526	71	823	9,407	334	122	2,314	12,737	534
1,579	653	81	883	33	394	2,821	167	—	1,082	3,558	215
879	510	153	2,794	98	1,625	12,875	3,353	165	3,863	14,737	2,965
1,325	482	54	784	35	455	3,808	1,107	56	1,037	5,856	709
2,786	638	77	1,075	47	581	3,539	287	76	1,323	4,871	399
2,208	773	147	2,716	101	1,766	16,378	2,281	148	3,815	24,216	3,515
349	279	103	2,055	71	1,368	14,424	2,109	103	2,751	22,147	3,378
1,297	328	32	—	24	319	1,272	113	31	—	1,832	123
580	165	12	180	8	80	682	40	15	280	1,036	114
11,843	5,294	721	8,638	584	5,842	19,749	1,845	703	10,141	22,588	2,087
200	126	114	1,832	—	1,368	4,347	288	87	1,733	4,076	331
84	50	20	159	16	116	272	11	18	174	308	13
21	9	1	12	1	8	25	1	1	9	25	1
148	103	34	457	23	275	974	56	32	616	917	119
1,280	621	99	1,184	77	795	2,352	135	95	1,382	2,710	161
10,212	4,385	454	4,912	358	3,281	11,770	1,154	470	8,217	14,534	1,483
3,076	1,486	243	1,880	212	1,406	3,719	98	232	2,380	4,851	146
485	191	23	255	20	182	535	31	21	281	610	48
190	98	9	85	7	48	109	3	10	63	—	6
811	603	148	1,032	129	822	2,070	37	136	1,204	2,745	87
101	88	6	34	5	28	68	2	8	—	62	1
268	130	19	164	16	106	328	8	21	230	527	16
878	263	32	242	26	170	472	11	33	281	552	7
532	117	9	88	7	—	137	4	8	72	159	3
17,744	5,291	614	7,843	484	5,787	19,130	1,891	813	18,082	24,951	3,038
62	32	22	401	19	328	831	51	17	384	842	271
508	249	117	1,548	101	1,289	3,582	366	110	1,951	4,379	456
1 101	325	38	429	29	306	980	73	42	591	1,253	107
201	180	28	485	22	380	1,872	297	30	699	2,119	410
711	471	45	486	37	360	1,058	82	44	594	1,242	132
834	241	43	460	36	342	894	45	43	800	1,210	88
10,844	2,711	184	—	134	1,559	5,391	805	189	3,050	7,198	977
983	184	13	132	11	99	238	10	13	156	280	12
2,390	848	126	1,835	97	1,124	4,395	323	124	—	5,521	606
7,375	3,980	1,114	18,746	885	14,086	37,568	4,487	1,086	23,556	47,519	5,486
1,216	740	530	10,088	418	7,831	18,318	2,443	480	12,215	22,342	2,853
1,455	1,033	222	3,329	184	2,583	6,237	659	220	3,943	7,112	—
160	99	57	1,032	46	768	3,619	587	59	1,462	4,455	388
480	200	19	270	14	170	769	114	22	398	1,057	120
1,002	711	177	2,840	139	1,902	5,902	481	184	3,572	8,657	894
1,892	805	82	1,044	68	783	1,980	184	85	1,399	2,614	236
1,180	392	26	345	20	229	763	70	33	568	1,383	99

NO. 1362. MANUFACTURES SUMMARY

(See headnote.)

Industry code ¹	INDUSTRY GROUP	1967				1972			
		Establishments (number)	All employees		Value added by manufacture ² (mil. dol.)	Establishments (number)	All employees		Value added by manufacture ² (mil. dol.)
			Number ³ (1,000)	Payroll (mil. dol.)			Number ³ (1,000)	Payroll (mil. dol.)	
34	Fabricated metal products ¹	27,418	1,342	9,329	18,043	29,328	1,493	12,321	28,946
341	Metal cans, shipping containers ²	298	80	474	1,142	553	79	640	2,005
342	Cutlery, handtools, hardware	1,939	166	1,043	2,318	1,904	159	1,405	3,253
343	Plumbing and heating, exc. electric ²	838	65	426	872	757	61	524	1,132
344	Fabricated structural metal products	10,151	388	2,657	4,834	10,351	395	3,532	6,743
345	Screw machine products, bolts, etc.	2,538	116	847	1,821	2,482	101	848	1,845
346	Metal forgings, stampings ²	2,710	226	1,888	3,031	3,188	264	2,781	5,057
347	Metal services, n.e.c.	4,884	81	481	864	4,781	82	624	1,120
348	Ordnance and accessories, n.e.c. ²	(NA)	(NA)	(NA)	(NA)	316	110	1,015	1,507
349	Misc. fabricated metal products ²	2,711	189	1,308	2,591	5,214	244	2,142	4,283
35	Machinery, exc. electrical	37,892	1,865	14,228	27,838	46,782	1,828	18,523	37,883
351	Engines and turbines	182	100	820	1,598	263	116	1,320	2,900
352	Farm and garden machinery	1,616	138	947	2,042	1,658	125	1,211	2,701
353	Construction and related machinery	2,305	273	2,041	4,130	2,517	275	2,858	5,982
354	Metaworking machinery	9,439	337	2,860	5,091	9,652	288	2,858	4,902
355	Special industry machinery	3,312	207	1,570	2,880	3,685	190	1,854	3,732
356	General industrial machinery	3,780	279	2,137	4,107	3,883	262	2,565	5,020
357	Office and computing machines	584	190	1,482	3,332	895	208	2,277	4,905
358	Refrigeration, service machinery	1,573	140	847	2,125	1,789	196	1,864	4,427
359	Misc. machinery, except electrical ²	15,109	203	1,443	2,531	16,400	184	1,897	3,016
36	Electric and electronic equipment ²	10,796	1,875	12,868	24,487	12,279	1,862	15,188	30,588
361	Electric distributing equipment ²	1,218	178	1,230	2,508	784	116	1,040	2,080
362	Electrical industrial apparatus	1,316	207	1,420	2,792	1,510	186	1,685	3,218
363	Household appliances	637	189	1,101	2,540	645	183	1,369	3,583
364	Electric lighting and wiring equipment	1,888	157	950	2,214	1,897	177	1,414	3,277
365	Radio and TV receiving equipment	861	130	720	1,587	839	107	798	2,183
366	Communication equipment	1,402	525	4,397	8,993	1,978	454	4,912	8,453
367	Electronic components, accessories	2,438	403	2,435	4,359	2,867	336	2,869	5,306
368	Misc. electrical equipment, supplies	1,165	107	715	1,494	1,852	120	1,121	2,498
37	Transportation equipment ²	7,485	1,834	15,174	28,174	8,802	1,719	19,880	39,798
371	Motor vehicles and equipment ²	2,675	739	5,930	13,886	3,391	806	9,481	22,056
372	Aircraft and parts ²	1,273	802	7,209	11,327	1,094	439	5,282	9,124
373	Ship and boat building and repairing	2,011	189	1,239	1,705	2,232	185	1,704	2,398
374	Railroad equipment	123	57	427	788	163	51	529	1,113
375	Motorcycles, bicycles, parts	91	12	70	138	222	18	140	315
376	Guided missiles, space vehicles	(NA)	(NA)	(NA)	(NA)	147	180	2,317	3,689
379	Misc. transportation equipment ²	1,310	55	298	551	1,553	59	448	824
38	Instruments and related products ²	4,483	394	2,822	5,418	5,863	463	4,298	10,880
381	Engineering, scientific instruments	677	48	327	617	743	37	365	681
382	Measuring and control devices ²	788	104	732	1,392	1,611	153	1,437	2,724
383	Optical instruments and lenses ²	303	21	183	284	484	19	183	384
384	Medical instruments and supplies	1,486	67	427	988	1,807	91	758	1,821
385	Ophthalmic goods	461	28	143	284	489	27	183	416
386	Photographic equip. and supplies	557	95	820	2,481	627	96	1,120	4,088
387	Watches, clocks, and watchcases	223	35	209	393	202	31	230	486
39	Misc. manufacturing ^{2,3}	14,488	834	6,819	10,189	15,187	448	3,180	8,788
391	Jewelry, silverware, and plated ware	2,212	52	320	641	2,298	53	425	851
393	Musical instruments	343	25	144	236	344	25	173	339
394	Toys and sporting goods	2,435	118	558	1,205	2,480	133	861	1,898
395	Pens, office and art goods	959	35	200	412	968	32	244	557
396	Costume jewelry and notions	1,808	52	252	528	1,482	50	323	720
399	Misc. manufactures ^{2,3}	8,932	544	4,345	7,163	7,639	153	1,134	2,303
(X)	Administrative and auxiliary ³	5,480	831	8,728	(X)	8,038	984	13,772	(X)

NA Not available X Not applicable. ¹Standard Industrial Classification Code; see last, p. 768. ²"All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 15th of March. ³See footnote 5, table 1377. ⁴Includes expenditures for plants in operation and plants under construction but not yet in operation. ⁵Includes industries not shown separately. ⁶Value of production. The formula for computing value added by manufacture was modified to exclude any change in finished products inventories between beginning and end of year.

FOR INDUSTRY GROUPS: 1967 TO 1980—Continued

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1977							Capital ex- pendi- tures, new ⁴ (mil. dol.)	1980			
Establishments		All employees		Production workers		Value added by manu- facture ³ (mil. dol.)		All employees		Value added by manu- facture ³ (mil. dol.)	Capital ex- pendi- tures, new ⁴ (mil. dol.)
Total	With 20 or more employ- ees	Num- ber ² (1,000)	Payroll (mil. dol.)	Num- ber ² (1,000)	Wages (mil. dol.)			Num- ber ² (1,000)	Pay- roll (mil. dol.)		
33,712	12,739	1,586	21,038	1,192	14,429	45,512	2,968	1,617	25,701	57,918	3,619
587	413	72	1,247	60	1,000	3,644	209	66	1,481	4,457	244
2,137	877	169	2,179	133	1,553	5,177	299	167	2,627	6,019	415
1,015	341	53	637	41	423	1,574	74	58	834	2,020	96
11,817	4,279	428	5,492	309	3,467	11,785	580	465	7,429	15,603	911
2,627	1,102	105	1,414	82	963	2,664	184	118	1,892	3,942	275
3,715	1,875	268	4,511	236	3,419	8,913	694	275	4,995	9,857	1,039
5,095	1,373	94	1,009	77	706	1,963	121	102	1,345	2,789	159
346	151	70	902	47	559	1,737	83	79	1,445	2,712	96
6,373	2,326	279	3,556	206	2,318	7,855	452	288	4,653	10,520	680
48,200	12,446	2,083	30,558	1,414	16,203	87,223	4,402	2,411	44,604	98,435	7,834
315	168	130	2,238	90	1,405	4,960	330	126	2,785	6,567	445
2,159	756	151	2,197	111	1,456	5,490	371	154	2,690	6,966	516
3,229	1,518	333	5,097	226	3,185	11,836	932	384	7,253	17,215	1,423
10,630	2,680	298	4,514	218	2,963	8,747	439	349	6,606	13,634	843
4,090	1,487	185	2,616	118	1,450	5,271	244	204	3,595	7,195	414
4,947	1,606	314	4,451	212	2,712	9,673	553	345	6,183	13,460	947
1,317	610	259	3,949	124	1,364	9,921	826	381	7,347	18,153	2,032
2,114	837	192	2,516	138	1,637	5,963	288	186	3,115	7,310	461
19,399	2,564	223	2,960	177	2,106	5,362	421	302	4,827	8,894	834
14,973	8,536	1,723	22,544	1,191	12,962	50,386	2,867	1,883	32,453	73,150	6,182
947	459	115	1,431	85	910	3,336	141	117	1,871	4,435	214
1,648	819	196	2,543	142	1,572	5,614	311	211	3,476	7,603	503
666	342	162	1,898	129	1,352	5,276	207	155	2,238	5,965	281
2,009	913	165	1,925	127	1,292	4,741	217	176	2,537	6,233	395
1,290	325	98	1,097	75	740	3,078	136	68	1,284	3,772	210
2,385	1,126	459	6,995	260	3,226	14,130	869	566	10,768	22,582	1,483
4,455	1,671	374	4,557	256	2,457	9,260	783	499	7,780	16,902	2,616
1,575	683	152	2,066	116	1,402	4,930	383	152	2,470	5,637	482
10,178	3,653	1,796	30,673	1,234	20,314	64,291	4,671	1,771	38,844	76,482	8,802
4,234	1,706	876	16,036	726	12,682	37,023	3,636	714	15,832	30,522	5,483
1,173	549	431	7,821	240	3,564	14,732	508	581	13,295	27,622	1,616
2,795	736	220	2,940	176	2,132	4,681	204	219	3,877	6,268	329
201	118	56	889	43	620	1,883	80	65	1,365	3,217	168
350	63	16	169	13	130	370	24	15	217	475	22
109	88	120	2,427	46	771	4,422	164	141	3,698	7,324	307
1,314	393	49	591	39	416	1,181	54	37	559	1,054	78
7,481	2,538	559	7,520	347	3,743	18,762	639	616	10,672	27,913	1,701
786	279	42	584	25	281	1,287	57	45	782	1,821	119
2,079	649	200	2,666	121	1,268	5,242	268	232	3,947	8,126	517
545	199	30	421	17	188	897	51	44	766	1,640	120
2,355	679	114	1,319	77	712	3,262	172	130	1,921	4,691	310
634	155	30	314	22	188	658	44	29	388	839	28
780	265	112	1,900	62	887	6,732	323	114	2,560	9,931	590
302	112	32	317	24	199	685	23	23	291	664	18
17,269	3,794	441	4,406	388	2,746	10,291	474	426	5,374	12,704	732
3,118	584	61	636	44	373	1,449	40	55	721	1,743	56
450	127	25	253	21	178	486	14	25	314	596	91
2,910	635	119	1,112	93	697	3,000	146	113	1,345	3,818	208
987	261	32	331	23	203	868	55	33	437	1,171	96
1,514	487	51	451	42	293	1,002	44	46	506	1,095	49
8,280	1,540	152	1,623	116	1,001	3,485	173	157	2,051	4,281	230
9,171	4,355	1,074	21,961	(x)	(x)	(x)	(x)	1,335	33,916	(x)	(x)

¹ Due to changes in industry classification, 1967 data not comparable with later data. ² For 1967, includes ordnance from privately owned and/or operated establishments classified in "Ordnance and accessories." Excludes government-owned and -operated equipment. ³ Manufacturing concerns often reported separately for central offices or auxiliaries which serve the manufacturing establishments of a company, rather than the general public. Separate reports were obtained from such units if at a different location or if they serviced more than one establishment.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1967, 1972, and 1977, General Summary*, MC87(1), MC72(1)-1, and MC77(1)-1, and *Annual Survey of Manufactures*.

NO. 1383. INDEX OF MANUFACTURING CAPACITY AND RELATION OF OUTPUT TO CAPACITY: 1950 TO 1981

[1967 output = 100. Annual figures are averages of quarterly data. Capacity represents estimated quantity of output, relative to output in 1967, which the current stock of plant and equipment in manufacturing industries was capable of producing. Primary processing industries comprise textiles, lumber, paper and pulp, petroleum, rubber, stone, clay, glass, primary metals, fabricated metals, and a portion of chemicals. Advanced processing industries comprise chemical products, food, beverages, tobacco, apparel, furniture, printing and publishing, leather, machinery, transportation equipment, instruments, ordinance, and miscellaneous industry groups.]

YEAR	Index of capacity	RELATION OF OUTPUT TO CAPACITY (percent)			YEAR	Index of capacity	RELATION OF OUTPUT TO CAPACITY (percent)		
		All manufacturing	Primary processing	Advanced processing			All manufacturing	Primary processing	Advanced processing
1950.....	54	63	89	80	1974.....	154	84	88	82
1955.....	67	67	82	84	1975.....	180	73	74	73
1960.....	82	80	80	81	1976.....	184	80	82	78
1965.....	100	90	91	88	1977.....	188	82	84	81
1967.....	115	87	86	88	1978.....	174	84	87	83
1968.....	122	87	86	87	1979.....	179	86	88	84
1969.....	129	86	89	85	1980.....	186	79	79	79
1970.....	134	79	83	77	1981.....	192	79	78	79
1971.....	136	79	82	78	1982: 1st qtr.....	196	72	69	73
1972.....	142	84	88	81	2nd qtr.....	192	70	68	72
1973.....	146	86	93	85					

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, November 1976, and *Capacity Utilization in Manufacturing and Materials*, G.S., monthly. (Based on data from Federal Reserve Board, U.S. Dept. of Commerce, U.S. Bureau of Labor Statistics, and McGraw-Hill Information Systems Company, New York, N.Y.)

NO. 1384. MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS: 1960 TO 1981

[In billions of dollars, except ratios. See also *Historical Statistics, Colonial Times to 1970*, series P 74-82.]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Shipments, total.....	370.6	491.8	633.7	1,017.5	1,039.1	1,186.6	1,368.4	1,523.4	1,727.2	1,851.0	1,984.6
Durable goods ¹	150.6	206.7	338.3	530.7	523.9	608.3	711.2	814.2	912.7	930.5	1,001.0
Primary metals.....	31.3	44.0	52.0	96.8	90.8	93.0	103.2	118.1	137.4	133.9	136.8
Fabricated metal products.....	23.9	32.4	44.2	67.3	68.5	77.4	90.0	101.3	113.6	116.2	123.3
Machinery except electrical.....	26.8	39.6	50.5	92.5	96.8	105.5	122.2	143.2	166.5	180.7	203.7
Electrical machinery.....	23.5	34.3	47.2	65.8	64.2	73.9	88.4	100.5	116.0	128.6	137.8
Transportation equipment.....	65.8	68.2	74.5	108.2	113.5	141.0	167.0	188.8	201.6	186.3	203.0
Nondurable goods.....	179.9	225.3	295.4	486.8	515.3	577.4	647.2	709.3	814.5	920.5	983.6
Food and kindred prod.....	82.5	74.3	98.5	182.0	172.2	180.8	192.9	216.1	236.0	255.9	269.1
Chemicals and allied products.....	26.0	36.8	48.5	83.7	89.7	104.1	118.2	129.9	147.7	161.6	175.1
Petroleum and coal prod.....	16.6	19.1	24.9	58.9	68.5	82.3	97.5	103.9	148.4	198.7	220.3
Inventories, total (Dec. 31).....	63.6	88.6	101.2	167.8	188.8	174.9	188.4	208.1	238.1	261.5	280.1
Durable goods.....	32.0	42.0	66.3	100.9	102.1	111.5	120.4	136.3	158.4	172.1	185.6
Nondurable goods.....	21.5	26.0	35.0	66.7	57.7	63.3	68.1	72.9	80.6	89.4	94.5
Ratio of inventories to sales ²	1.73	1.80	1.81	1.86	1.77	1.86	1.56	1.59	1.62	1.63	1.77
Durable goods.....	2.13	1.76	2.35	2.32	2.28	2.04	1.94	1.87	2.11	2.14	2.39
Nondurable goods.....	1.44	1.34	1.40	1.37	1.86	1.24	1.20	1.18	1.10	1.10	1.18
New orders, total.....	362.8	506.3	624.5	1,047.2	1,021.8	1,194.5	1,380.3	1,600.0	1,788.3	1,998.9	1,982.2
Durable goods.....	183.8	279.5	328.7	562.2	504.2	616.8	732.9	868.9	952.7	948.7	990.3
Nondurable goods.....	179.2	225.9	295.8	485.0	517.6	577.7	647.4	711.1	815.5	920.1	992.9
Unfilled orders, total (Dec. 31).....	44.8	78.6	106.7	188.8	172.5	181.4	208.3	258.8	300.8	318.8	316.4
Durable goods.....	42.4	75.0	101.1	184.5	164.9	173.4	195.1	249.9	290.9	306.1	306.4
Nondurable goods.....	2.5	3.8	4.6	5.3	7.6	8.0	8.2	10.0	11.0	10.7	10.0

¹ Includes other items not shown separately.

² Ratio based on December seasonally adjusted data.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1972-1980*, M3-1.10, and unpublished data.

NO. 1385. FINANCES OF MANUFACTURING CORPORATIONS: 1960 TO 1981

[In billions of dollars. See tables 920 and 921 for individual industry data.]

ITEM	1960	1965	1967	1970	1972	1973	1975	1976	1977	1978	1979	1980	1981
Net sales.....	346	482	575	709	860	1,061	1,065	1,203	1,326	1,486	1,742	1,897	2,145
Net operating profit.....	26	46	48	50	68	84	77	97	107	122	135	129	144
Net profit.....													
Before taxes.....	26	47	48	48	63	97	80	106	115	133	154	145	159
After taxes.....	15	28	29	29	36	59	49	65	70	81	98	92	101
Cash dividends.....	8	12	13	15	16	18	20	23	27	29	32	36	40
Net income retained in business.....	7	16	16	14	20	36	29	42	44	52	66	56	61

Source: U.S. Federal Trade Commission, *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations*, first quarter report of year subsequent to reported year.

NO. 1386. OPERATING MANUFACTURING ESTABLISHMENTS—SELECTED DATA, BY LEGAL FORM OF ORGANIZATION: 1977

(For establishment coverage, see text, p. 766. See also *Historical Statistics, Colonial Times to 1970*, series P 206-211.)

FORM OF ORGANIZATION	Establishments ¹ (1,000)	ALL EMPLOYEES		PRODUCTION WORKERS		Value added by manufacture ² (mil. dol.)	Capital expenditures, new (mil. dol.)
		Total ³ (1,000)	Payroll (mil. dol.)	Total ³ (1,000)	Wages (mil. dol.)		
Corporate	284.2	19,114	259,306	13,302	153,991	574,113	46,248
Noncorporate, total ⁴	75.7	476	4,707	389	3,273	11,052	1,210
Individual proprietorship	52.3	202	1,840	174	1,322	3,991	300
Partnership	18.3	123	1,213	100	829	2,681	208

¹Includes administrative offices and auxiliary units. ²For method of calculation, see text, p. 766. ³For definition, see footnote 6, table 1377. ⁴Includes forms of organization not shown separately.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, vol. 1, and special report, *Type of Organization*, MC 77(SR)-3.

NO. 1387. MANUFACTURES—SUMMARY, BY EMPLOYEE SIZE-CLASS: 1977

ITEM	All establishments	ESTABLISHMENTS WITH TOTAL EMPLOYEES—					PERCENT DISTRIBUTION				
		Under 20	20-99	100-249	250-999	1,000 and over	Under 20	20-99	100-249	250-999	1,000 and over
Establishments ¹ (1,000)	351	237	78	22	12	2	67.5	22.3	6.1	3.4	.8
Employees ¹ (1,000)	18,515	1,208	3,490	3,386	5,393	5,091	6.5	18.6	18.0	29.1	27.5
Payroll (mil. dol.)	242,032	13,712	38,690	37,772	68,248	85,609	5.7	16.0	15.6	27.4	35.4
Value added ² (mil. dol.)	585,186	30,081	89,829	92,232	172,607	200,417	5.1	15.4	15.8	29.5	34.2
Shipments ^{3,4} (mil. dol.)	1,358,526	29,922	211,422	220,485	404,783	456,596	2.2	15.6	16.2	29.8	33.8

¹Excludes administrative offices and auxiliary units. ²For definition, see footnote 6, table 1377. ³Individual size-class data do not add to total because they were derived from separate tabulations. ⁴See footnote 7, table 1377.

NO. 1388. MANUFACTURING EMPLOYMENT AND VALUE ADDED—PERCENT DISTRIBUTION, BY GEOGRAPHIC DIVISIONS: 1963 TO 1980

(For composition of regions, see fig. 1, inside front cover. For definition of "value added," see table 1377.)

REGION	EMPLOYMENT						VALUE ADDED					
	1963	1967	1972	1977	1979	1980	1963	1967	1972	1977	1979	1980
Northeast	32.4	30.7	27.9	25.8	25.1	25.4	29.8	29.1	28.3	23.7	23.4	(NA)
North Central	32.4	32.9	32.2	31.9	31.8	29.8	35.4	35.0	34.9	34.4	34.3	(NA)
South	22.9	24.2	27.5	28.3	28.6	29.2	21.5	22.7	25.5	27.4	27.4	(NA)
West	12.3	12.2	12.4	13.9	14.4	15.5	13.3	13.0	13.4	14.5	14.8	(NA)

NA Not available.

Source of tables 1387 and 1388: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1967, 1972 and 1977: General Summary*, MC(1)-1, and *Annual Survey of Manufactures*.

NO. 1389. CAPITAL IN MANUFACTURING ESTABLISHMENTS: 1960 TO 1981

(In billions of dollars, except percent. Minus sign (-) denotes decline. Data refer to privately owned manufacturing establishments and are based on the capital expenditures data from the census of manufactures, the Annual Survey of Manufactures, and the inventory investment component of GNP. For details, see source. See *Historical Statistics, Colonial Times to 1970*, series P 107-122, for single-year figures prior to revisions issued in 1981.)

ITEM	CURRENT DOLLARS						CONSTANT (1972) DOLLARS					
	1960	1970	1975	1979	1980	1981	1960	1970	1975	1979	1980	1981
Purchases	10.8	23.8	36.8	74.1	86.9	96.4	15.8	25.9	30.4	44.5	49.8	51.9
Percent equipment	72.2	73.5	79.4	79.5	80.3	80.3	66.0	71.4	80.6	81.9	83.5	83.6
Depreciation (straight line) ¹	10.0	18.9	31.6	50.1	58.5	67.2	14.1	20.4	24.0	29.4	31.7	34.3
Percent equipment	73.0	74.1	73.7	78.9	77.1	78.6	68.1	72.6	75.0	78.6	79.8	81.0
Net investment ² .....	.9	4.9	6.2	24.0	28.4	29.2	1.5	5.5	6.4	15.1	18.1	17.6
Percent equipment	55.6	71.4	101.2	85.0	51.6	84.2	40.0	67.3	101.6	86.1	90.1	88.6
Net value, end of year	152.2	299.6	509.1	815.4	928.9	1,030.2	210.3	315.1	359.8	420.1	439.5	460.2
Equipment and structures ³	95.6	191.2	319.3	506.8	586.3	663.8	140.4	202.2	232.7	275.1	293.8	311.8
Percent equipment	57.2	58.7	62.1	64.5	65.5	67.1	51.2	57.3	62.0	66.6	68.1	68.3
Inventories	56.6	108.4	189.8	308.6	342.6	366.4	69.9	112.9	127.1	145.0	145.9	148.4

¹Current dollars estimates derived by using perpetual inventory method and assuming, in general, service lives of 85 percent of those shown in Internal Revenue Service's Bulletin F. ²Represents the difference between constant dollar purchases and depreciation. ³Represents real net value of equipment and structures at preceding yearend plus net investment based on straight-line depreciation for year shown.

Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1925-76*, Survey of Current Business, October 1982, and unpublished data.

No. 1390. LARGE MANUFACTURING COMPANIES—ADEQUACY OF CAPITAL FACILITIES TO MEET
CURRENT DEMAND: 1965 TO 1981

[Percent distribution. As of July. Number of companies weighted by company assets. Based on replies to the question: In view of the current rate of order bookings and customer inquiries, are your plant-and-equipment facilities now inadequate, Sufficient, or More than adequate? as part of a quarterly survey conducted among the 1,000 largest manufacturing companies as listed by total assets]

YEAR	Inadequate	Sufficient	More than adequate	YEAR	Inadequate	Sufficient	More than adequate
1965.....	31	67	2	1974.....	57	40	3
1966.....	47	51	2	1975.....	19	43	38
1967.....	33	62	5	1976.....	18	85	17
1968.....	26	72	2	1977.....	20	66	14
1969.....	37	59	4	1978.....	20	62	18
1970.....	28	60	12	1979.....	20	69	11
1971.....	18	59	23	1980.....	12	57	31
1972.....	16	71	13	1981.....	9	51	40
1973.....	45	53	2				

Source: The Conference Board, New York, N.Y., *Quarterly Survey of Capital Investment and Supply Conditions in Manufacturing*. (Copyright.)

No. 1391. LARGE MANUFACTURING COMPANIES—CAPITAL APPROPRIATIONS AND EXPENDITURES, BY
INDUSTRY: 1970 TO 1981

[In millions of dollars, except percent. Based on reports submitted by companies responding to The Conference Board's *Quarterly Survey of Capital Appropriations*. This survey is conducted among the 1,000 largest manufacturing companies as listed by total assets. Appropriations: Authorizations by management to spend funds for new plant and equipment; Expenditures: Cost of new plant and equipment]

YEAR AND ITEM	Total	Food and beverages	Paper and allied products	Chemicals and allied products	Petroleum and coal products	Primary iron and steel	Electrical machinery and equip.	Machinery, except electrical	Motor vehicles and equipment	Other manufacturing
1970: Appropriations.....	25,337	1,587	1,034	3,036	5,704	1,534	2,584	3,098	1,276	5,484
Expenditures	26,321	1,596	1,046	3,143	5,559	1,746	2,408	3,093	1,689	6,039
Percent of appropriations.....	103.9	100.7	101.2	103.5	97.5	113.8	93.2	99.8	132.4	110.1
1975: Appropriations.....	45,034	3,573	1,902	7,466	13,986	3,102	1,978	3,748	1,015	8,264
Expenditures	45,557	3,081	1,905	7,172	11,907	3,552	2,227	4,014	1,808	9,691
Percent of appropriations.....	101.2	86.2	100.2	96.1	85.1	114.5	112.6	107.1	178.1	119.7
1976: Appropriations.....	50,034	3,834	1,585	7,906	11,231	2,897	2,853	5,001	3,517	11,210
Expenditures	47,055	3,666	2,073	7,486	12,551	3,552	2,445	4,442	1,701	9,139
Percent of appropriations.....	94.0	95.6	130.8	94.7	111.8	122.6	85.7	88.8	48.4	81.5
1977: Appropriations.....	63,420	4,966	2,648	7,854	17,527	2,516	3,189	5,105	5,268	14,347
Expenditures	52,498	3,882	1,825	7,545	14,350	3,048	3,064	4,747	3,321	10,716
Percent of appropriations.....	82.8	78.2	68.9	96.1	81.9	121.1	96.1	93.0	63.0	74.7
1978: Appropriations.....	67,156	4,896	2,795	7,759	15,142	3,083	4,421	6,306	6,981	15,771
Expenditures	58,356	4,217	2,140	7,797	14,495	2,671	3,668	5,445	4,506	13,415
Percent of appropriations.....	86.9	86.1	76.6	100.5	95.7	86.6	83.0	86.3	64.6	85.1
1979: Appropriations.....	86,519	6,640	3,979	10,725	19,526	3,559	5,859	10,236	8,129	19,666
Expenditures	73,126	5,037	3,018	9,309	16,876	3,243	4,918	8,400	5,335	16,990
Percent of appropriations.....	82.6	75.9	75.8	86.8	86.4	91.1	83.9	82.1	65.6	85.5
1980: Appropriations.....	104,631	6,603	3,576	12,170	32,875	2,889	6,544	9,368	7,110	23,496
Expenditures	86,209	6,014	3,859	10,918	22,228	3,458	6,271	9,826	5,555	20,080
Percent of appropriations.....	84.3	91.1	107.9	89.7	67.6	119.7	95.8	104.9	78.1	85.5
1981: Appropriations.....	106,956	5,772	5,010	12,019	36,904	5,210	5,787	12,700	3,489	20,065
Expenditures	101,341	6,744	3,746	11,785	31,578	3,405	6,069	11,289	6,688	20,037
Percent of appropriations.....	94.8	116.8	74.8	96.1	85.6	65.4	104.9	88.9	191.7	99.9

Source: The Conference Board, New York, N.Y., *Quarterly Survey of Capital Appropriations*. (Copyright.)

No. 1392. EXPORTS AND EXPORT-RELATED EMPLOYMENT OF MANUFACTURING ESTABLISHMENTS:
1963 TO 1980

[Includes only direct exports and products shipped to exporters or others for export. Excludes output of the supplying establishments that furnish parts or materials to the manufacturer producing the product exported. Therefore, estimates tend to understate the importance of the export trade for the domestic economy when compared to the total value of shipments of all manufacturers]

ITEM	Unit	1963	1971	1972	1979	1977	1980
Value of shipments, total.....	Bil. dol.....	420.5	671.0	756.5	1,185.7	1,358.4	1,849.1
For export.....	Bil. dol.....	16.5	33.1	36.7	83.1	85.8	155.1
Percent of total.....	Percent.....	3.9	4.9	4.8	7.0	6.3	8.3
Manufacturing employment, total ¹	1,000.....	16,958	18,363	19,027	18,753	19,590	20,662
Export related.....	1,000.....	(NA)	746	770	1,173	1,106	1,505
Percent of total.....	Percent.....	(NA)	4.1	4.0	6.3	5.6	7.3

NA Not available. ¹ Includes employees of central administrative and auxiliary offices.
Source: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1967, 1972, and 1977; and Annual Survey of Manufactures*.

No. 1393. EXPORTS SHIPMENTS AND EXPORT-RELATED EMPLOYMENT OF MANUFACTURING ESTABLISHMENTS, SELECTED STATES: 1980

[See headnote, table 1392 and footnote 1 of same table concerning employment figures. Represents States with export-related employment of 30,000 or more]

STATE	VALUE OF SHIPMENTS (mil. dol.)		EMPLOYMENT (1,000)		STATE	VALUE OF SHIPMENTS (mil. dol.)		EMPLOYMENT (1,000)	
	Total	For exports	Total	Export related		Total	For exports	Total	Export related
U.S. ¹	1,848,101	155,103	20,882	1,506	Michigan	92,607	8,817	1,019	76
California	179,709	16,530	2,076	193	New Jersey	68,565	4,409	813	45
Connecticut	26,043	2,865	463	38	New York	112,182	9,188	1,544	90
Florida	33,286	3,490	452	44	North Carolina	56,086	4,540	820	47
Georgia	43,209	2,425	525	32	Ohio	113,573	10,408	1,254	105
Illinois	119,871	10,245	1,274	89	Pennsylvania	108,218	7,580	1,343	87
Indiana	63,422	4,653	654	44	Texas	180,040	10,492	1,053	78
Massachusetts	43,625	4,719	695	57	Washington	35,502	8,738	313	59
					Wisconsin	50,035	3,850	551	43

¹ Includes States not shown separately.

Source: U. S. Bureau of the Census, *Annual Survey of Manufactures, Origin of Exports of Manufactured Products*.

No. 1394. EXPORTS AND EXPORT-RELATED EMPLOYMENT OF MANUFACTURING ESTABLISHMENTS, BY INDUSTRY: 1980

[See headnote, table 1392 and footnote 1 of same table concerning employment figures]

INDUSTRY GROUP	VALUE OF SHIPMENTS (mil. dol.)		MANUFACTURING EMPLOYMENT (1,000)		INDUSTRY GROUP	VALUE OF SHIPMENTS (mil. dol.)		MANUFACTURING EMPLOYMENT (1,000)	
	Total	For exports	Total	Export related		Total	For exports	Total	Export related
Manufacturing, total	1,848,101	155,103	20,882	1,506	Rubber, misc. plastics products	47,875	2,437	710	32
Food and kindred products	258,744	11,200	1,537	47	Leather, leather products	9,896	513	235	7
Tobacco manufactures	11,893	1,842	58	13	Stone, clay, glass products	46,324	1,854	815	21
Textile mill products	47,456	2,582	817	36	Primary metal industries	134,283	10,899	1,100	84
Apparel, other textile prod.	45,848	1,421	1,305	33	Fabricated metal products	115,935	6,230	1,613	85
Lumber and wood products	47,268	3,200	698	26	Machinery, exc. electrical	180,706	34,081	2,415	386
Furniture, fixtures	22,280	394	473	8	Elec., electronic equipment	126,413	14,872	1,961	226
Paper and allied products	72,597	4,037	648	25	Transportation equipment	185,881	27,865	1,772	252
Printing, publishing	69,482	1,065	1,260	13	Instruments and related products	44,271	7,213	618	100
Chemicals, allied products	163,845	18,841	915	98	Misc. manufacturing	24,943	2,692	430	23
Petroleum, coal products	193,364	2,388	151	3					

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures, Origin of Exports of Manufactured Products*.

No. 1395. U.S. SHARE OF WORLD EXPORTS OF MANUFACTURES: 1960 TO 1981

[World exports—exports from 15 major trading countries: U.S., Austria, Belgium-Luxembourg, Canada, Denmark, France, Fed. Rep. of Germany, Italy, Japan, Netherlands, Norway, Sweden, Switzerland, and U.K. Percenta are calculated from the values of exports of the six commodity groups from each of the 15 countries. Percentage shares are based on values excluding shipments to the United States and are based on current exchange rates. Beginning in 1978, data for all countries except Canada and Japan are reported according to Revision 2 instead of Revision 1 of the United Nations Standard International Trade Classification (SITC). Canadian data are reported according to Revision 2 in 1979]

YEAR	U.S. MANUFACTURES EXPORTS ¹		PRODUCT CATEGORY	U.S. MANUFACTURES EXPORTS ¹							
	Total (bil. dol.)	Per- cent of world exports		Total (bil. dol.)				Percent of world exports			
				1978	1979	1980	■	1978	1979	1980	1981
			Total	94.5	116.7	144.0	154.3	17.0	17.4	18.3	20.7
1960	12.7	25.3	Nonelectrical machinery	27.4	33.2	41.9	47.6	23.0	23.9	25.1	28.9
1965	17.3	22.5	Transport equipment	22.2	25.6	29.6	32.8	22.4	22.7	23.2	24.8
1970	29.4	21.1	Chemicals	12.6	17.3	20.7	21.2	17.3	17.9	18.9	20.6
1975	71.0	19.1	Electrical machinery	9.7	11.6	13.9	15.4	17.8	18.5	19.2	21.7
1976	77.2	18.8	Basic manufactures ²	12.5	16.2	22.3	20.6	8.7	9.2	10.7	11.5
1977	80.2	17.3	Misc. articles ³	10.2	12.8	16.3	18.7	15.0	15.1	16.3	17.4

¹ Excludes mineral fuel products, processed food, fats, oils, firearms of war, and ammunition. ² Includes semimanufactures of various materials, such as metals, fibers, wood, glass, leather, rubber, and certain finished products of metal. ³ Includes mainly nondurable consumer goods and professional and scientific instruments.

Source: U.S. Dept. of Commerce, International Trade Administration, *Business America*, biweekly, and *Merchandise Trade Reports*, annual.

**NO. 1396. MANUFACTURING COMMODITY GROUPS—IMPORT PENETRATION AS PERCENT OF NEW
SUPPLY AND RELATED EMPLOYMENT: 1972 TO 1981**

[Represents manufacturing commodity groups with average levels of import penetration of 15 percent or more. Employment represents industry employment related to "import-sensitive" groups; in many cases, the industry employment series are not that well matched to the import groups. The industry coverage may be broader or narrower than that implied by the import product group; some industry employment series are related to more than one import group. For more detail regarding methodology and limitations of data, see source. N.e.s. = Not elsewhere specified]

Industry code ¹	INDUSTRY GROUP	IMPORTS AS A PERCENT OF NEW SUPPLY		ANNUAL AVERAGE EMPLOYMENT (1,000)		
		1972	1976	1972	1979	1981
	Food and kindred products:					
2061-3	Cane or beet sugar, syrup, and molasses; beet pulp	22.5	18.5	37.1	30.7	31.7
2066, 7, 99	Chocolate and cocoa products	11.0	29.2	20.7	20.5	19.7
2084	Wines, brandy, and brandy spirits	21.3	26.2	10.5	13.2	14.4
2085	Distilled, rectified, and blended liquors, except brandy	24.9	24.3	22.8	19.0	17.4
	Textile mill products:					
2253	Outerwear, n.e.s., of textile materials	16.3	20.0	77.6	70.5	71.5
2271	Floor coverings, textile materials, pile inserted	11.3	24.3	62.2	60.5	52.6
2279	Floor coverings, n.e.s., of textile or vegetable materials	30.9	57.2			
2299	Textile mill products, n.e.s.	59.0	48.2	38.3	36.8	35.6
2298	Cordage	21.5	23.4	10.9	10.3	9.1
2292	Lace goods, n.e.s.	21.7	27.7	(NA)	(NA)	(NA)
	Apparel and other textile products:					
2381	Gloves, except sports, leather, or fur gloves	13.8	24.1	14.0	14.5	11.1
2385	Rainwear	20.2	40.6	17.8	12.2	11.8
2386	Leather wearing apparel, n.e.s.	34.6	50.4	21.5	20.1	24.3
	Lumber and wood products:					
2421	Lumber and other sawmill and planing mill products, except dimension hardwood	16.3	16.9	182.0	196.4	171.5
2429	Woodshingles, cooperage stock, and excelsior	26.6	34.1	6.1	6.5	4.9
2435	Hardwood, plywood, and veneer	31.3	33.1	30.9	27.9	24.8
2833	Medicinals and botanicals	22.0	21.7	14.8	17.2	18.6
3021	Footwear, rubber or plastic	33.9	69.2	28.7	22.7	22.2
	Leather and leather products:					
3143; 3149	Men's footwear, except athletic	14.7	20.4	63.8	57.9	57.2
3149	Leather ski boots and other leather athletic footwear	31.6	51.2	32.3	23.5	23.0
3171	Women's handbags and purses	20.6	36.5	19.9	18.5	17.5
3144	Women's footwear, except athletic	18.9	33.5	66.6	59.3	52.9
3151	Gloves, leather	22.3	31.0	14.0	14.5	13.8
3161	Luggage of leather, textile materials, plastics	15.4	24.4	17.3	17.7	15.0
3172	Flat goods of leather and other materials	14.0	20.1	13.0	14.3	12.6
	Stone, clay, and glass products:					
3263	Earthenware tableware	51.2	70.0	10.4	9.7	9.4
3262	China tableware	41.0	41.0			
3269	Ceramic articles, n.e.s.	33.7	40.6	12.0	14.6	12.5
3253	Ceramic floor and wall tile	22.9	32.2	18.8	15.6	13.2
	Primary metal industries:					
3339; 3341	Smelter and refined nonferrous metals, n.e.s.	50.0	62.6	8.2	10.7	11.8
3333; 3341	Smelter and refined zinc	26.5	37.4	26.8	34.3	31.4
3313	Electro- metallurgical products	19.7	31.1	15.1	15.0	13.1
	Machinery, except electrical:					
3574	Calculating and accounting machines, excluding parts	40.1	40.6	45.2	36.2	38.3
3572	Typewriters and parts, n.e.s.	16.3	18.5			
3552	Textile machinery, and parts, n.e.s.	36.6	33.2	35.5	26.9	26.2
	Electric and electronic equipment:					
3636	Sewing machines and parts, n.e.s.	50.9	41.3	35.1	36.9	31.8
3651	Radio and TV receiving sets, phones, and audio equip., n.e.s.	34.9	42.1	114.5	87.5	82.2
3674	Semiconductors, rectifiers, and rectifying apparatus	11.5	23.2	115.2	201.1	224.6
3699	Electrical articles and electrical parts of articles	17.5	20.3	14.0	14.7	14.0
	Transportation equipment:					
3711, 3	Motor vehicles and passenger car, truck, and bus bodies	13.6	18.3	461.3	509.1	389.5
3751	Motorcycles, bicycles, and parts, n.e.s.	65.1	52.4	18.2	19.5	16.8
	Instruments and related products:					
3673	Watches, clocks, clockwork operated devices, and parts	21.1	39.9	29.6	27.7	20.1
3632	Optical instruments and lenses, and parts, n.e.s.	17.1	15.9	17.6	31.6	33.4
3651	Ophthalmic goods and parts, n.e.s.	12.4	20.5	37.1	45.1	40.7
3811	Surveying and drafting instruments, balances, n.e.s.; measuring equipment, n.e.s.	12.5	19.0	64.5	72.4	78.5

NA Not available. ¹ Standard Industrial Classification Code; see text, p. 766.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, August 1982.

No. 1397. FUELS AND ELECTRIC ENERGY USED IN MANUFACTURING INDUSTRIES: 1958 TO 1980

[Btu—British thermal unit. For definition of Btu, see headnote, table 871]

INDUSTRY GROUP AND TYPE OF ENERGY	Unit	1958	1962	1967	1975	1976	1977	1978	1979	1980
ENERGY USED										
All manufacturing industries ¹	Tril. Btu	8,248	8,811	11,810	12,084	12,778	12,888	12,961	12,868	11,874
Chemicals and allied products	Tril. Btu	1,542	1,877	2,480	2,808	3,017	2,983	2,900	2,895	2,717
Primary metals	Tril. Btu	1,789	2,303	2,422	2,240	2,381	2,560	2,689	2,685	2,277
Paper and allied products	Tril. Btu	808	829	1,156	1,210	1,295	1,307	1,301	1,300	1,278
Petroleum and coal products	Tril. Btu	932	1,145	1,394	1,333	1,292	1,238	1,123	1,245	1,178
Stone, clay, and glass products	Tril. Btu	945	1,058	1,229	1,180	1,220	1,251	1,300	1,288	1,122
Food and kindred products	Tril. Btu	788	803	900	914	938	956	980	949	948
Fabricated metal products	Tril. Btu	180	213	298	368	381	394	400	388	359
Machinery, exc. electrical	Tril. Btu	210	236	311	328	330	340	351	352	334
Lumber and wood products	Tril. Btu	90	118	188	228	244	228	231	223	199
Printing and publishing	Tril. Btu	41	50	88	87	66	92	92	90	88
TYPE OF ENERGY										
Purchased fuels and elec. energy ¹	Tril. Btu	8,248	8,811	11,810	12,084	12,778	12,888	12,961	12,868	11,874
Cost	Mill. dol.	5,087	5,184	7,082	23,291	28,138	33,336	37,813	42,714	48,205
Fuels	Mill. dol.	2,836	3,361	3,975	12,978	15,980	18,818	20,818	23,651	26,435
Electric energy	Mill. dol.	2,231	2,823	3,717	10,313	12,179	14,517	16,995	19,063	21,770
Cost	Tril. Btu	2,143	2,343	1,987	1,189	1,255	1,329	1,349	1,325	1,310
Cost	Mill. dol.	838	840	552	1,310	1,344	1,494	1,685	1,780	1,889
Fuel oil ²	Tril. Btu	988	1,208	1,092	1,728	1,978	2,125	2,120	1,562	1,180
Cost	Mill. dol.	529	823	536	3,518	3,986	4,888	4,848	4,857	4,757
Gas	Tril. Btu	3,187	4,411	5,434	5,944	5,999	5,700	5,803	5,971	5,670
Cost	Mill. dol.	901	1,456	1,749	5,853	7,532	8,875	9,861	12,340	14,742
Purchased electric energy	Tril. Btu	863	1,071	1,459	2,036	2,164	2,283	2,306	2,338	2,245
Cost	Mill. dol.	2,231	2,823	3,717	10,313	12,179	14,517	16,995	19,063	21,770

¹Includes industries and items not shown separately²Includes fuel-oil related products.Source: U.S. Bureau of the Census, *Census of Manufactures, 1972 and 1977*; and *Annual Survey of Manufactures*.

No. 1398. ENERGY CONSUMPTION PER CONSTANT DOLLAR OF VALUE ADDED FOR SELECTED INDUSTRIES: 1971 TO 1977

[1,000 Btu's per 1972 dollar. Includes basic industries. Industries selected on the basis of both total energy consumed and energy intensiveness; industries account for about 60 percent of total manufacturing energy consumption and about 8 percent of total manufacturing value added; see source for details. Consumption values include estimates of externally generated energy as well as purchased fuels and electric power. Minus sign (-) denotes decrease]

YEAR	Total economy ¹	All manufacturing	5-industry groups	Paper	Paper-board	Inorganic chemicals	Organic chemicals ¹	Petroleum refining	Cement	Steel	Aluminum
1971	61.6	52.5	373.9	316.2	458.8	245.8	277.9	831.4	421.4	314.5	418.5
1974	59.7	48.2	337.8	291.1	461.3	218.9	241.7	835.8	435.9	262.4	406.8
1975	58.8	46.8	353.4	319.3	503.7	210.8	244.8	813.7	442.9	282.4	401.0
1976	58.5	44.1	338.1	317.7	470.6	212.2	227.4	800.9	432.7	274.7	372.1
1977	57.1	42.3	328.2	308.7	464.8	203.3	193.9	573.7	411.2	282.7	379.9
AVERAGE ANNUAL PERCENT CHANGE											
1971-1974	-1.0	-4.0	-3.2	-2.6	.2	-3.6	-4.3	.2	1.1	-5.5	-9
1974-1975	-1.5	.9	4.8	9.7	9.2	3.7	1.3	3.5	1.6	7.5	1.4
1975-1976	.5	-5.4	-4.3	-.5	-8.6	7	-7.1	-3.7	-2.3	-2.7	-7.2
1976-1977	-2.4	-4.1	-2.8	-2.8	1.2	4.2	14.7	2.9	-5.0	2.9	2.1

¹Total gross energy consumption per constant dollar of GNP²Excludes petrochemical feedstocks.Source: U.S. Bureau of Industrial Economics, *Industrial Economics Review*, Summer 1980.

No. 1399. PERCENT SHARE OF VALUE ADDED BY MANUFACTURE FOR LARGEST COMPANIES IN MANUFACTURING, 1947 TO 1977, AND OF EMPLOYEES AND SHIPMENTS, 1963 TO 1977

[Percent of total manufacturing. Companies ranked on value added by manufacture; companies in each group are not identical for all years. See also *Historical Statistics, Colonial Times to 1970*, series P 177-180]

ITEM	VALUE ADDED						EMPLOYMENT ¹			SHIPMENTS ²		
	1947	1964	1963	1967	1972	1977	1963	1973	1977	1963	1972	1977
Largest 50 companies	17	23	26	25	25	18	19	19	24	25	24	25
Largest 100 companies	22	30	33	33	33	25	25	28	33	34	33	35
Largest 150 companies	27	34	37	38	39	30	29	31	40	38	39	41
Largest 200 companies	30	37	41	42	43	34	32	36	44	42	43	45

¹Includes central administrative offices and auxiliaries.²See footnote 7, table 1877Source: U.S. Bureau of the Census, *Census of Manufactures, 1977, Concentration Ratios in Manufacturing*. NC77-35-A

**No. 1400. PERCENT OF SHIPMENTS ACCOUNTED FOR BY LARGE MANUFACTURING COMPANIES,
SELECTED INDUSTRIES, 1972 AND 1977**

(First 32 industries (excluding those classified as "Miscellaneous" or "Not elsewhere classified") as determined by value added by manufacture in 1972 of \$2 billion or more. Industry codes and descriptions are based on the 1972 *Standard Industrial Classification Manual* (SIC), see text, p. 706. Determination of company affiliation of establishment is based on census reports and publicly available records. Largest companies are determined by each company's value added by manufacture in the specified industry. Industries in the "not elsewhere classified" category are omitted, regardless of their value added.)

Industry code	Industry	Year	Number of companies	Value added by manufacture (mil. dol.)	Total value of shipments (mil. dol.)	PERCENT OF SHIPMENTS, RANKED BY COMPANY SIZE			
						4 largest	8 largest	20 largest	50 largest
3711	Motor vehicles and car bodies	1972	166	11,783	42,806	93	99	99 +	99 +
		1977	254	18,724	78,516	93	99	99 +	99 +
3312	Blast furnaces and steel mills	1972	241	10,305	23,947	45	65	84	96
		1977	395	15,332	41,998	45	65	84	95
3714	Motor vehicle parts and accessories	1972	1,748	9,185	18,334	61	69	79	85
		1977	2,194	16,284	35,751	62	70	79	86
2711	Newspapers	1972	7,461	6,220	8,263	17	28	43	60
		1977	7,821	9,519	13,056	19	31	45	62
3662	Radio and TV communications equipment	1972	1,524	5,803	9,140	19	33	56	77
		1977	1,873	9,238	14,886	20	33	57	73
2834	Pharmaceutical preparations	1972	680	5,640	7,150	26	44	75	91
		1977	655	8,214	11,459	24	43	73	91
3721	Aircraft	1972	141	5,083	8,779	66	86	98	99 +
		1977	151	8,134	14,834	59	81	98	99 +
2911	Petroleum refining	1972	152	4,595	25,921	31	56	84	95
		1977	192	14,424	91,689	30	53	81	94
3661	Photographic equipment and supplies	1972	555	4,086	5,624	74	85	92	95
		1977	702	6,732	9,945	72	85	90	94
2051	Bread, cake, and related products	1972	2,800	3,516	6,132	29	39	50	62
		1977	2,549	5,370	9,275	33	40	54	68
3685	Refrigeration and heating equipment	1972	655	3,517	7,084	40	53	70	85
		1977	731	4,469	9,638	41	51	67	82
3673	Electronic computing equipment	1972	518	3,419	5,471	51	63	78	90
		1977	806	7,624	12,824	44	55	71	85
2752	Commercial printing, lithographic	1972	8,180	3,159	5,125	4	8	15	24
		1977	10,964	5,338	9,360	8	10	17	26
3531	Construction machinery	1972	644	3,131	8,091	43	54	72	86
		1977	807	5,744	12,629	47	59	75	88
3011	Tires and inner tubes	1972	136	3,071	5,747	73	90	98	99 +
		1977	121	4,347	8,971	70	85	97	99 +
2011	Meatpacking plants	1972	2,291	2,968	23,003	22	37	51	66
		1977	2,404	4,010	31,206	19	37	49	62
3781	Guided missiles and space vehicles	1972	23	2,949	4,124	62	86	(D)	100
		1977	20	3,565	5,314	64	94	100	(X)
2621	Papermills, exc. building paper	1972	194	2,909	5,385	24	40	65	88
		1977	171	5,407	12,613	23	42	70	92
2421	Sawmills and planing mills, general	1972	7,864	2,907	8,421	18	23	33	45
		1977	6,966	4,453	10,867	17	23	36	49
2844	Toilet preparations	1972	593	2,834	4,053	38	53	74	91
		1977	644	4,527	6,557	40	56	74	90
3465	Automotive stampings	1972	388	2,864	5,286	69	72	79	87
		1977	495	4,655	9,739	65	70	77	84
3661	Telephones, telegraph apparatus	1972	157	2,850	4,525	(D)	(D)	98	99 +
		1977	208	4,192	7,859	(D)	89	94	98
2026	Fluid milk	1972	2,025	2,552	9,396	18	26	42	56
		1977	1,516	3,176	13,786	18	28	43	60
2086	Bottled and canned soft drinks	1972	2,273	2,337	5,454	14	21	32	44
		1977	1,758	4,065	10,007	15	22	36	50
3321	Gray iron foundries *	1972	893	2,257	3,877	34	45	58	71
		1977	865	4,071	7,389	34	44	60	73
3523	Farm machinery and equipment	1972	1,465	2,248	4,530	47	61	89	78
		1977	1,668	4,854	10,262	45	61	70	78
2111	Cigarettes	1972	7	12,188	13,745	(D)	(D)	(X)	(X)
		1977	8	13,803	16,377	(D)	(D)	(X)	(X)
2621	Plastics materials and resins	1972	193	2,181	4,478	26	41	65	90
		1977	221	4,143	10,616	22	37	60	87
2721	Periodicals	1972	2,451	2,110	3,511	26	38	54	66
		1977	2,680	3,783	6,057	22	35	52	67
2824	Organic fibers, noncellulosic	1972	36	2,040	3,639	74	91	99 +	100
		1977	37	2,804	6,360	78	90	99	100
2841	Soap and other detergents	1972	577	2,039	3,394	62	74	85	92
		1977	554	2,888	5,671	59	71	82	89
2751	Commercial printing, letterpress	1972	13,040	2,015	3,306	14	19	26	35
		1977	14,375	2,441	4,284	14	19	25	31

(D) Withheld to avoid disclosure. (X) Not applicable. * See footnote 6 table 1377. † See footnote 7 table 1377.

* Includes foundries producing gray-iron castings for other plants of the same company. Accordingly percentages do not reflect market shares in industry as such. † Value of production reported instead of value of shipments, therefore, formula for computing adjusted value added modified to include only changes in work-in-process inventories between beginning and end of year.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977, Concentration Ratios in Manufacturing*, MC77-SR-8.

No. 1401. BEVERAGE INDUSTRY—SUMMARY: 1965 TO 1980

YEAR AND ITEM	Unit	Total	Malt beverage	Malt	Wine, brandy, brandy spirits	Distilled liquor, exc. brandy	Soft drinks (bot- tled, canned)	Flavoring, extracts, syrups
1965: Employees	1,000	210	80	2	6	19	114	9
Payroll	MR. dol	1,348	488	16	42	125	614	63
Value added by manufacture	MR. dol	4,152	1,300	51	167	713	1,373	488
Value of shipments	MR. dol	7,728	2,497	204	398	1,268	2,505	837
1970: Employees	1,000	228	57	2	9	21	126	11
Payroll	MR. dol	1,884	816	19	71	171	916	91
Value added by manufacture	MR. dol	6,144	2,026	56	256	867	2,121	792
Value of shipments	MR. dol	12,373	3,822	210	591	1,758	4,631	1,361
1975: Employees	1,000	204	47	2	11	16	117	11
Payroll	MR. dol	2,418	728	24	131	196	1,210	119
Value added by manufacture	MR. dol	8,110	2,008	122	500	1,056	3,321	1,103
Value of shipments	MR. dol	20,368	5,641	591	1,197	2,004	8,602	2,361
1979: Employees	1,000	202	44	2	12	15	118	10
Payroll	MR. dol	3,437	1,052	36	178	280	1,751	156
Value added by manufacture	MR. dol	12,328	3,191	135	785	1,565	5,016	1,661
Value of shipments	MR. dol	29,343	8,353	538	1,954	2,544	12,544	2,958
1980: Employees	1,000	197	43	2	11	14	118	10
Payroll	MR. dol	3,619	1,122	40	191	253	1,650	164
Value added by manufacture	MR. dol	13,519	3,639	162	811	1,849	5,348	1,709
Value of shipments	MR. dol	32,724	9,362	680	2,189	3,389	13,909	3,196

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures*.

No. 1402. ALCOHOLIC BEVERAGES—SUMMARY: 1960 TO 1981

(For years ending June 30 except, beginning 1977, ending Sept. 30. Includes Puerto Rico. Excludes imports. See *Historical Statistics, Colonial Times to 1970*, series P 235 for beer production, and P 236a for distilled spirits.)

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Beer: Breweries operated	Number	229	197	154	117	96	95	89	86	86	92
Production	MR. bbl. ¹	95	108	135	158	161	170	176	184	193	195
Imports (incl. ale, etc.) ²	MR. bbl. ¹	(NA)	(NA)	(NA)	17	24	26	31	41	46	52
Value of shipments (SIC 2082) ³	MR. dol	(NA)	2,470	3,822	5,641	6,025	6,853	7,539	8,353	9,362	(NA)
Tax-paid withdrawals	MR. bbl. ¹	89	100	123	147	149	156	160	167	172	177
Stocks on hand, June 30	MR. bbl. ¹	11	13	15	14	14	14	14	14	15	14
Per capita consumption ⁴	Gallons	24.0	25.5	28.6	32.8	31.2	32.3	33.1	34.0	34.9	35.6
Of domestic output	Gallons	23.9	25.3	28.4	32.4	30.8	31.8	32.4	33.1	34.0	34.5
Distilled spirits:											
Production facilities operated	Number	178	153	140	115	107	96	101	135	143	114
Warehouses operated	Number	241	268	274	241	233	222	220	210	200	196
Production, total ⁵	MR. tax gal. ⁶	273	278	355	278	234	225	268	246	236	259
Whisky	MR. tax gal. ⁶	150	118	180	50	79	82	71	104	87	90
Tax-paid withdrawals, total ⁷	MR. tax gal. ⁶	178	205	256	295	304	295	321	318	330	321
Whisky	MR. tax gal. ⁶	84	90	112	137	135	126	136	125	42	(NA)
Stocks on hand, June 30, total ⁸	MR. tax gal. ⁶	932	990	1,091	836	782	726	670	659	656	691
Whisky	MR. tax gal. ⁶	614	641	680	780	723	668	611	596	566	544
Bottled for consumption, total	MR. wine gal. ⁹	204	244	312	357	369	361	390	379	392	387
Whisky	MR. wine gal. ⁹	147	161	192	182	179	186	170	166	165	159
Per capita ⁴	Wine gal. ⁹	1.87	2.13	2.61	2.49	2.11	2.67	2.76	2.70	2.90	2.91
Of domestic output	Wine gal. ⁹	1.54	1.66	1.91	1.75	2.00	1.93	2.02	1.98	2.00	1.98
Still wines: Production ¹⁰	MR. wine gal. ⁹	511	565	713	782	768	771	731	739	682	901
Tax-paid withdrawals ¹¹	MR. wine gal. ⁹	148	163	204	287	303	306	313	326	340	363
Stocks on hand, June 30 ¹²	MR. wine gal. ⁹	149	157	207	325	325	392	431	485	486	602
Per capita ⁴	Wine gal. ⁹	1.36	1.44	1.70	2.20	2.40	2.45	2.54	2.60	2.65	2.69
Of domestic output	Wine gal. ⁹	1.26	1.32	1.52	1.96	1.95	2.35	2.01	2.02	2.02	2.03
Effervescent wines: ¹³											
Production	MR. wine gal. ⁹	4.1	8.4	20.0	16.0	20.2	21.2	23.8	24.4	26.8	31.2
Tax-paid withdrawals	MR. wine gal. ⁹	3.3	5.7	17.1	17.6	16.8	20.3	21.2	22.1	24.1	27.0
Stocks on hand, June 30	MR. wine gal. ⁹	2.7	3.6	8.1	9.0	9.4	10.4	11.4	12.1	11.9	14.4
Per capita ⁴	Wine gal. ⁹ .....	.04	.06	.15	.13	.14	.16	.15	.15	.17	.19
Of domestic output	Wine gal. ⁹ .....	.03	.06	.13	.12	.12	.14	.13	.12	.12	.13

NA Not available. ¹ Barrels of 31 wine gallons (see footnote 9). ² Source: U.S. Bureau of Census, *Imports for Consumption, General Imports*, FT 246. ³ Source: U.S. Bureau of Census, *Census of Manufactures, 1977, and Annual Survey of Manufactures*. ⁴ Source: U.S. Dept. of Commerce, Bureau of Industrial Economics. Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. ⁵ Excludes alcohol produced for industrial use. ⁶ A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon; for spirits of less than 100 proof to the wine gallon. (See footnotes 7 and 9.) ⁷ A proof gallon is the alcoholic equivalent of a U.S. gallon at 80°F, containing 80 percent of ethyl alcohol by volume. ⁸ Includes ethyl alcohol. ⁹ A wine gallon is the U.S. gallon equivalent to the volume of 231 cubic inches. ¹⁰ Production represents total amount removed from fermenters, including distilling material, and, beginning 1970, includes increase after fermentation (by amelioration, sweetening, and addition of wine spirits). In 1975, 359 million gallons of distilling materials were produced; 1976, 343 million gal.; 1977, 347 million gal.; 1978, 258 mil. gal.; 1979, 259 mil. gal.; 1980, 184 mil. gal.; and 1981, 264 mil. gal. ¹¹ Includes special natural wines. ¹² Excludes distilling materials. ¹³ Excludes champagne, other effervescent wines, and artificially carbonated wines.

Source: Except as noted, U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual.

No. 1403. TOBACCO PRODUCTS—PRODUCTION AND CONSUMPTION: 1960 TO 1981

[Production data are for years ending June 30. Excludes cigars produced in customs bonded manufacturing warehouses. See also *Historical Statistics, Colonial Times to 1970*, series P 239-241]

ITEM	Unit	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Production:													
Cigarettes ¹	Billions	506	562	582	616	652	627	668	673	686	707	702	744
Cigars ¹	Billions	6.9	8.9	8.0	11.4	8.7	8.3	6.7	5.8	5.6	5.1	4.9	5.0
Tobacco ²	MLB	176	169	164	149	152	155	153	155	156	156	163	141
Per capita consumption: ³													
All products	Lb. ⁴	11.6	11.5	9.6	9.5	8.4	9.1	8.7	8.5	8.1	8.3	8.0	8.9
Cigarettes	1,000	4.2	4.3	4.0	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.8	3.8
Weight	Lb. ⁴	9.64	9.37	7.78	7.92	7.90	7.73	7.36	7.21	6.89	6.97	6.87	6.91
Cigars ¹	Number	61	70	80	48	44	39	36	33	30	27	25	24
Weight	Lb. ⁴	1.18	1.24	1.00	.77	.70	.83	.57	.54	.50	.44	.41	.40
Tobacco ²	Lb. ⁴	.99	.88	.83	.75	.75	.72	.73	.70	.68	.69	.68	.68

¹ Large and small. Source: U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual.

² Smoking and chewing tobacco and snuff. Source: U.S. Dept. of Agriculture, Agricultural Marketing Service, *Manufacture and Sales of Snuff, Smoking, and Chewing Tobacco*, quarterly. ³ Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. 1981 data preliminary. ⁴ Unstemmed processing weight equivalent. ⁵ Weighing over 3 pounds per 1,000.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation*, quarterly.

No. 1404. MILL CONSUMPTION OF NATURAL FIBERS: 1960 TO 1981

[In million of pounds, except per capita. Per capita figures based on U.S. Bureau of the Census population estimates as of July 1, including Armed Forces abroad. See *Historical Statistics, Colonial Times to 1970*, series P 229 and P 230, for wool and silk]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Cotton, total¹	4,234	4,522	3,654	3,668	3,306	3,027	3,414	3,170	3,041	3,077	3,036	2,715
Per capita (lb.)	23.4	23.2	18.8	17.4	15.8	14.2	15.9	14.6	13.9	14.0	13.3	11.8
Wool, total²	411	387	240	151	94	110	122	106	115	117	123	129
Per capita (lb.)	2.3	2.0	1.2	.7	.4	.5	.8	.5	.5	.5	.5	.6
Flax, total	5	8	6	7	7	3	4	9	4	5	2	4
Silk, total	7	6	2	3	3	1	3	2	2	2	1	2

¹ Preliminary. ² Reported by U.S. Bureau of the Census. For American cotton, less as reported by Crop Reporting Board is deducted. For foreign cotton, 15 pounds deducted, 1960-1965, 20 pounds thereafter. ³ Reported by U.S. Bureau of the Census. Excludes consumption in cotton and other spinning systems and consumption in baling and felt manufacture.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Cotton and Wool Situation*, April 1981.

No. 1405. MAN-MADE FIBER DISTRIBUTION: 1960 TO 1981

[In millions of pounds, except per capita. Per capita figures based on U.S. Bureau of the Census population estimates as of July 1, including Armed Forces abroad]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Rayon and acetate: ¹										
Domestic consumption	1,055.4	1,550.4	1,414.4	801.1	854.8	881.7	870.6	822.8	733.0	701.8
Per capita (lb.)	5.6	8.0	6.9	3.7	3.9	3.9	3.9	3.7	3.2	3.3
Producers' shipments	1,020.7	1,496.9	1,471.2	807.1	862.4	867.9	827.9	824.7	808.1	788.4
Rayon	718.2	1,045.8	861.0	448.3	528.1	513.0	522.2	487.4	438.2	443.5
Acetate	277.6	420.8	479.1	305.7	280.4	287.4	261.6	295.4	276.2	230.3
Exports	26.9	30.6	48.1	53.1	75.9	87.5	124.1	131.9	93.7	94.6
Imports	61.6	84.0	84.3	47.1	68.9	81.3	68.6	29.8	18.6	27.5
Non-cellulosic:										
Domestic consumption ²	613.4	1,699.3	3,543.2	5,877.3	6,297.0	6,979.9	7,260.1	7,570.4	7,089.7	6,890.4
Per capita (lb.)	3.4	8.7	17.3	27.2	28.9	31.7	32.6	33.6	31.0	33.4
Producers' shipments ³	667.3	1,711.1	3,555.6	5,882.7	6,551.6	7,283.5	7,758.3	8,423.6	8,008.1	7,913.9
Nylon	375.5	967.0	1,253.8	1,947.6	1,944.7	2,187.9	2,415.5	2,544.5	2,250.1	2,100.7
Polyester	101.6	367.6	1,009.8	2,860.6	3,151.1	3,390.9	3,475.1	3,899.5	3,434.4	3,435.4
Olefin	13.2	80.1	187.0	495.1	482.0	539.6	579.7	624.2	611.7	628.3
Acrylic	116.0	324.5	430.7	467.3	517.9	619.8	571.6	546.6	586.3	484.1
Exports	58.5	81.1	100.9	314.4	365.9	429.0	606.9	812.5	891.8	1,102.9
Imports	4.6	60.6	178.5	108.0	131.3	145.4	112.7	89.3	55.2	79.4
Producers' waste shipments:										
Rayon	33.3	51.5	34.5	19.2	14.7	18.5	11.7	17.2	13.5	16.9
Non-cellulosic	29.9	55.2	138.3	289.7	262.3	291.0	288.9	238.6	170.2	183.2

¹ Includes yarn, monofilaments, staple, and tow. ² Includes other items not shown separately. ³ Includes other yarns, chiefly saran and spandex.

Source: Textile Economics Bureau, Inc., Roseland, N.J., *Textile Organon*, monthly. (Copyright.)

NO. 1405. WOOL—PRODUCTION, PRICE, AND SUPPLY: 1960 TO 1981

[In millions of pounds, except as indicated. For 1980 and for wool consumed in manufacturing, excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series K 568-660, for shorn wool production and price, and series P 226, for wool consumed in manufacturing]

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981 ¹
Stocks of all wool, Jan. 1 ²	151	103	102	53	46	42	42	49	45	43
Sheep and lambs shorn (mil.)	31	24	19	14	14	13	13	13	13	14
Weight per fleece (lb.)	8.5	8.5	8.4	8.3	8.2	8.1	8.1	8.0	8.0	8.0
Shorn wool production (grease basis)	265	201	162	120	111	107	103	105	105	110
Price per pound ³ (cents)	42.0	47.1	35.4	44.7	65.7	72.0	74.5	66.3	68.1	94.5
Total wool production (grease basis)	299	225	177	125	116	110	104	106	107	111
Wool, clean basis: Total production	151	113	88	67	62	58	55	56	56	59
Imports of dutiable wool ⁴	74	163	80	17	36	34	27	20	30	48
Imports of duty free wool ⁴	154	109	73	17	19	19	23	22	26	26
Total new supply ⁴	530	485	343	154	164	150	164	162	166	182
Consumed in manufacturing ⁴	411	367	240	110	122	106	115	117	123	138

¹ Preliminary. ² Scoured basis. ³ Weighted season average price received by farmers, 1960, April-March marketing season; thereafter, calendar year. ⁴ Imports for consumption. ⁵ Production, imports, and stock of wool Jan. 1. ⁶ Scoured wool, plus greasy wool reduced to scoured basis.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Agricultural Statistics*, annual, and *Cotton and Wool Situation*. Imports from U.S. Bureau of the Census.

NO. 1407. RAW COTTON—SPINDLES, CONSUMPTION, AND STOCKS: 1960 TO 1981

[For years ending July 31. Excludes Alaska and Hawaii. Consumption and stocks are expressed in running bales, counting round as half bales, except foreign cotton which is in equivalent 500-pound bales. See *Historical Statistics, Colonial Times to 1970*, series P 228, for total cotton consumed including linters]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Cotton systems spindles: in place ¹	Million	20.0	19.3	19.9	18.3	18.0	17.8	17.5	17.4	17.1	16.8
Active ²	Million	19.2	18.8	19.1	16.8	17.0	16.8	16.3	16.3	16.0	15.6
Spindle hours ³	Billion	113	102	74	44	51	45	42	42	42	37
Cotton consumed, total ⁴	Mil. bales	9.0	9.2	8.0	5.6	7.0	6.5	6.2	6.1	6.2	5.6
Cotton stocks, end of year ⁵	Mil. bales	7.3	14.1	5.4	5.2	3.4	2.8	4.9	3.5	3.0	2.4

¹ All spindles in place regardless of fiber spun. ² Active last day of year, regardless of type of fiber spun. On August 2, 1981, there were 8,445,000 spindles active on cotton, 9,174,000 on manmade and other fibers and blends, and 1,200,000 idle. ³ Consuming 100 percent cotton. ⁴ Excludes linters. Includes foreign and domestic cotton. ⁵ Excludes linters. Includes stocks at public storage and compresses.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M22P

NO. 1408. BROADWOVEN GRAY AND FINISHED FABRICS—PRODUCTION, BY TYPE: 1960 TO 1981

[1960 through 1979 in billions of linear yd.; thereafter in billions of square yd. Fabrics classified by primary fiber content]

PRODUCT	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Broadwoven gray fabrics, total	12.1	13.4	11.5	9.5	10.9	10.7	10.8	10.8	15.3	15.2
Cotton fabrics	9.4	9.2	8.2	4.1	4.7	4.4	4.0	3.9	4.5	3.9
Manmade fiber fabrics	(NA)	3.9	5.0	5.3	6.1	6.2	6.7	6.6	10.6	11.1
Woolen and worsted ¹	.3	.3	.2	(2)	(2)	1	1	1	2	2
Broadwoven finished fabrics, total	9.6	11.0	9.7	8.0	8.3	8.2	8.6	8.1	7.9	7.8
Cotton fabric	7.4	7.7	5.2	3.5	3.5	3.3	3.3	3.1	3.0	2.7
Manmade fiber fabrics and silk ²	2.1	3.3	4.5	4.6	4.8	4.9	5.3	5.0	4.9	4.5
Bleached and white finished ³	5.0	6.4	6.1	4.7	5.1	5.1	5.4	5.6	5.6	5.6
Plain dyed and finished cottons	2.5	2.7	1.8	1.2	1.3	1.2	1.2	1.1	1.2	1.1
Printed and finished goods ⁴	2.1	1.9	1.9	2.1	2.0	1.9	1.9	1.6	1.6	1.2

NA Not available. Z Less than 50 million. ¹ Except woven felts, in terms of finished yardage. ² Fabrics made of polyester, rayon, acetate, nylon, silk, glass, acrylic fibers, etc. ³ Includes plain dyed manmade fibers prior to 1979. ⁴ Includes roller, screen, and glass printed; includes printed towels, tablecloths, flock, plaids, moirs, or embossed.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-22S and MQ-22T

NO. 1409. HOSIERY—PRODUCTION, BY TYPE: 1960 TO 1981

[In millions of dozens of pairs. Excludes Alaska and Hawaii. Excludes slipper socks]

TYPE	1960	1965	1970	1973	1975	1976	1977	1978	1979	1980	1981
All types	154.9	186.2	227.4	218.4	224.8	253.9	257.4	263.8	264.5	280.2	316.1
Women's	65.0	82.7	125.7	89.9	88.7	87.7	113.8	110.6	110.9	141.7	151.7
Infants' and children's ¹	17.8	18.8	20.6	22.7	22.1	22.0	27.7	29.4	29.8	32.2	31.2
Girls' boys' and women's ²	20.8	35.2	33.6	41.2	41.4	41.9	46.4	48.0	48.7	48.4	58.6
Men's (sizes 10 and up)	51.2	51.6	54.2	63.7	64.2	63.2	66.0	69.3	75.4	72.2	75.6

¹ Sizes 3-8½. Includes knee-highs. ² Sizes 8-11. Includes foot socks not shown separately.

Source: National Association of Hosiery Manufacturers, Charlotte, N.C., *Hosiery Statistics*, annual. (Copyrighted.)

No. 1410. U.S. IMPORTS AND EXPORTS OF TEXTILES AND APPAREL PRODUCTS: 1965 TO 1981

[In millions of dollars. Excludes glassfibers, linoleum, rubber and leather apparel and clothing donated for charity. Minus sign (-) denotes deficit]

ITEM	1965	1970	1975	1976	1977	1978	1979	1980	1981
Exports.....	613	733	1,673	2,299	2,381	2,634	3,081	4,488	4,586
Textile mill products.....	510	579	1,533	1,855	1,857	2,073	3,029	3,457	3,473
Yarn and thread.....	119	133	271	336	378	330	580	642	813
Cotton broad woven fabric.....	108	112	378	498	438	428	626	546	335
Other broad woven and knit fabric.....	135	151	397	423	399	433	678	808	625
Narrow fabric.....	21	15	32	36	39	64	95	178	129
Special fabric.....	64	89	194	243	282	408	504	709	884
Made-up articles.....	52	53	185	214	242	252	329	318	332
Textile floor coverings.....	11	25	88	106	109	143	207	327	345
Apparel.....	103	155	341	434	524	551	772	1,001	1,032
Imports.....	1,889	2,275	3,539	4,883	5,415	7,045	7,229	8,139	8,873
Trade balance.....	-987	-1,542	-1,867	-2,583	-3,033	-4,420	-4,238	-3,651	-4,286

Source: U.S. Bureau of the Census, *U.S. General Imports, Schedule A Commodity by Country, Report FT135*, and *U.S. Exports, Schedule E Commodity by Country, Report FT410*, monthly.

No. 1411. MALE AND FEMALE CLOTHING—PRODUCTION: 1960 TO 1980

[See also *Historical Statistics, Colonial Times to 1970*, series P 242 and 243]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
MALE CLOTHING											
Men's suits ¹	Mil. units	21.3	21.9	17.7	16.8	13.7	16.2	17.3	17.5	17.0	14.8
Boys' suits ²	Mil. units	5.1	6.6	4.7	2.9	2.5	2.5	3.6	4.7	4.5	3.5
Separate trousers (men's).....	Mil. units	100.3	142.3	173.6	156.8	116.9	132.2	126.8	122.7	125.8	124.0
Separate coats ³	Mil. units	14.2	16.3	16.1	21.1	13.1	13.8	17.8	16.1	18.3	18.9
Men's and youths ⁴	Mil. units	10.2	12.3	11.8	18.8	11.5	12.9	16.6	15.0	17.0	17.7
Boys.....	Mil. units	4.0	4.0	4.3	2.5	1.6	9	1.2	1.1	1.3	1.2
Woven shirts, men's ⁴	Mil. doz	23.2	28.2	20.8	20.4	17.4	19.5	18.2	15.0	14.9	13.8
Casual slacks.....	Mil. units	(NA)	(NA)	129.6	207.6	153.3	221.3	287.5	199.5	87.2	95.7
Jeans.....	Mil. units	(NA)	(NA)	129.6	207.6	153.3	221.3	287.5	191.0	225.5	261.6
Work shirts (incl. flannels).....	Mil. doz	3.8	4.0	4.1	3.4	2.9	3.7	4.0	3.8	3.8	3.6
FEMALE CLOTHING											
Blouses.....	Mil. doz	15.6	19.0	13.3	17.2	16.3	19.7	24.7	25.6	27.5	26.7
Dresses.....	Mil. units	253	281	251	190	174	171	193	190	183	179
Suits ⁵	Mil. units	9.4	11.9	8.8	7.8	9.0	11.7	36.5	32.1	24.9	18.2
Slacks.....	Mil. doz	3.6	7.1	9.4	18.6	18.3	18.3	18.6	12.4	18.6	19.3
Jeans.....	Mil. doz	3.6	7.1	9.4	18.6	18.3	18.3	18.6	4.4	5.5	5.9
Skirts.....	Mil. doz	8.3	8.8	6.9	4.4	4.3	4.9	5.4	5.8	5.6	5.9
Untrimmed coats.....	Mil. units	21.0	19.1	17.0	20.5	18.4	20.7	19.0	18.9	16.4	16.8
Fur-trimmed coats.....	Mil. units	2.5	6.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Knit outerwear Sweaters.....	Mil. doz	6.4	7.3	5.3	6.3	6.6	6.1	6.6	5.9	4.9	4.4
Sport shirts.....	Mil. doz	2.3	3.4	4.0	7.4	7.8	8.4	11.7	11.0	10.7	10.5

NA Not available. ¹Beginning 1975, excludes leisure suits. ²Beginning 1970, includes uniform suits and coats. ³Beginning 1975, excludes leisure coats. ⁴Includes knit and woven dress and woven sport. ⁵Beginning 1977, includes pant suits.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-23E, MA-23F, and MA-23G.

No. 1412. FOOTWEAR—SUMMARY: 1960 TO 1981

[In millions of pairs, except as indicated. See *Historical Statistics, Colonial Times to 1970*, series P 260-261, for men's and women's shoes]

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Apparent consumption.....	623.4	711.3	801.7	743.3	727.8	786.3	746.7	787.7	832.9	746.1	738.6
Production, shoes and slippers.....	600.0	626.2	582.3	453.0	413.1	422.5	391.1	418.9	398.4	396.9	376.1
Percent exported.....	5	4	4	9	11	14	13	17	23	32	31
Value (bil. dol.).....	2.2	2.5	2.9	3.2	3.1	3.5	3.7	3.8	4.3	4.7	4.7
Shoes, sandals, playshoes (production).....	521.0	633.2	480.8	385.0	339.1	355.5	332.0	335.6	320.6	323.5	310.8
Men's, youths', boys'.....	124.7	143.8	143.5	127.9	121.2	128.1	116.8	116.6	103.8	102.5	98.4
Women's.....	279.8	280.0	230.2	187.1	154.1	155.9	145.0	145.4	145.9	143.1	131.8
Misses'.....	40.2	38.5	29.2	15.8	13.1	15.8	13.2	13.1	13.7	11.3	9.3
Children's.....	32.7	33.5	25.9	20.8	18.5	21.0	18.3	18.2	13.9	14.2	12.5
Infants' and babies'.....	36.6	32.5	29.0	23.8	24.2	24.9	22.7	23.2	22.8	23.6	21.9
Athletic shoes.....	7.0	7.0	9.0	9.9	7.9	10.1	16.0	20.9	20.6	24.3	23.4
Imports.....	38.6	87.6	241.5	294.3	319.4	369.8	360.0	375.7	434.5	381.0	372.1
Percent of total consumption.....	4.3	12.3	30.1	39.6	43.9	47.0	48.3	47.7	52.3	48.5	50.6

¹Preliminary. ²Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*.Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series M31A.

NO. 1413. CHEMICALS AND ALLIED PRODUCTS—VALUE OF SHIPMENTS: 1970 TO 1980

(In millions of dollars. "N.e.c." means not elsewhere classified)

PRODUCT	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980
Total ¹	49,365	57,360	65,008	83,801	89,848	89,721	118,154	129,267	147,874	161,569
Alkalies and chlorine	866	808	878	1,232	1,673	1,866	1,786	1,746	1,864	2,078
Industrial gases	864	859	721	793	906	1,049	1,199	1,408	1,520	1,583
Cyclic crudes and intermediates	2,014	2,332	2,764	4,141	4,202	5,231	5,514	5,515	7,386	7,732
Inorganic pigments	853	758	893	1,196	984	1,267	1,339	1,391	1,585	1,801
Industrial organic chemicals, n.e.c.	6,470	7,468	8,548	12,743	14,098	16,794	19,378	21,214	25,083	27,025
Misc. end-use chems. and chem. prodn. exc. urea							2,071	1,851	2,503	2,911
Misc. cyclic and acyclic chemicals and chem. prodn.	4,897	5,900	6,582	9,828	10,901	12,977	13,425	14,915	17,575	18,888
Industrial inorganic chemicals, n.e.c. ²	4,109	3,003	3,514	4,809	4,675	5,751	5,920	7,977	8,294	10,327
Potassium and sodium compounds	543	503	583	900	910	1,074	1,103	1,208	1,275	1,375
Plastics materials and resins	4,562	4,486	5,678	8,444	7,747	10,455	12,181	13,783	16,964	18,014
Synthetic rubber (vulcanizable elastomers)	1,114	1,289	1,387	1,862	1,820	2,204	2,354	2,826	3,228	3,248
Cellulosic manmade fibers	865	885	744	898	781	814	851	945	1,086	1,158
Organic fibers, noncellulosic	2,488	2,949	3,964	3,867	4,035	4,414	5,472	5,912	6,719	7,147
Biological products	351	495	559	884	788	874	1,068	1,218	1,421	1,599
Medicinals and botanicals	747	794	986	1,467	1,489	1,774	2,206	2,406	2,906	3,158
Pharmaceutical preparations	5,284	6,295	6,841	7,483	8,247	9,217	9,840	10,711	11,539	13,012
Soaps and detergents	2,509	2,852	3,033	3,500	3,963	4,490	5,000	5,551	6,107	7,081
Polishes and sanitation goods	1,306	1,736	1,844	1,980	2,196	2,432	2,699	3,029	3,112	3,359
Specialty cleaning and sanitation products	755	899	937	1,071	1,197	1,318	1,478	1,625	1,880	2,089
Toilet preparations ³	3,770	4,247	4,573	4,797	5,178	5,883	6,394	6,792	7,510	8,209
Hair preparations (incl. shampoos)	1,034	1,065	1,100	1,129	1,308	1,408	1,475	1,486	1,719	2,003
Perfumes, toilet water, colognes	536	677	716	755	918	1,007	1,097	1,250	1,436	1,468
Dentifrices, mouthwashes, gargles, etc.	468	485	(8)	535	538	628	660	733	848	896
Paints and allied products	3,019	3,520	3,914	4,578	4,672	5,415	6,123	6,671	7,403	7,882
Fertilizers ⁴	1,394	2,642	3,033	5,203	6,588	6,026	6,845	6,831	7,965	9,881
Adhesives and sealants ⁵	580	954	1,182	1,404	1,484	1,665	1,673	2,075	2,366	2,426
Explosives	213	238	247	359	450	426	426	496	592	646
Printing ink	389	496	526	823	898	765	904	990	1,100	1,235

S Does not meet publication standards. ¹Includes products not shown separately. ²Beginning 1972, synthetic ammonia, nitric acid, and ammonium compounds included in fertilizers. ³Beginning 1972, excludes gelatin.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972*, and 1977, and *Annual Survey of Manufactures*.

NO. 1414. CHEMICALS—PRODUCTION, BY KIND: 1979 AND 1980

(In thousands of short tons, except as indicated. Data for chemicals shown are restricted to a selected group composed for the most part of inorganic chemicals and related products which are sufficiently important economically to justify publication. Includes data for chemicals produced by Tennessee Valley Authority, and by Government-owned privately operated plants. See *Historical Statistics, Colonial Times to 1970*, series P 248, 249, and 251, for sodium hydroxide, ammonia (anhydrous), and sulfuric acid, respectively.)

CHEMICAL	1979	1980	CHEMICAL	1979	1980
Acetylene ¹ (mil. cu. ft.)	5,608		Hydrogen peroxide (100% by weight)	114	116
Aluminum chloride			Nitric acid (100% HNO ₃)	8,916	9,232
Anhydrous (100% AlCl ₃)	73	74	Nitrogen (100%) (bil. cu. ft.)	427	479
Liquid and crystal (32° B ϕ)	23	20	Nitrogen solutions (100% N) (bil. cu. ft.)	2,321	2,773
Aluminum sulfate (17% Al ₂ O ₃) ² (Commercial)	1,315	1,266	Oxygen ³ (bil. cu. ft.)	456	431
Iron free	117	116	Oxygen ³ (bil. cu. ft.)		
Ammonia, synthetic anhydrous	18,634	19,853	Phosphoric acid (100% P ₂ O ₅)	10,318	10,936
Ammonium nitrate, original solution (100% NH ₄ NO ₃)	8,293	9,127	Phosphorus (white and red)	460	432
Ammonium sulfate, synthetic (technical) ⁴	2,363	2,136	Potassium hydroxide (88-92% KOH)	264	245
Argon, refined (mil. cu. ft.)	8,129	7,908	Potassium pyrophosphate (100% K ₂ P ₂ O ₇)	42	24
Calcium carbide (commercial)	268	261	Sodium bichromate and chromate	157	154
Calcium phosphate dibasic (100% CaHPO ₄)	834	863	Sodium chlorate (100% NaClO ₃)	269	278
Carbon, activated ⁵	84	81	Sodium hydroxide (caustic soda) (100% NaOH)	12,759	11,625
Carbon dioxide (liquid, gas, and solid) ⁶	3,780	3,710	Sodium silicate (soluble silicate glass, liquid and solid) (anhydrous) ⁷	813	786
Chlorine, gas ⁸	12,291	11,421	Sodium sulfate		
Chrome, yellow and orange (C.P.)	33	28	High purity (more than 99% Na ₂ SO ₄)	509	484
Chrome orange, molybdate (C.P.)	13	10	Glauber's salt (100% Na ₂ SO ₄ ·10H ₂ O)	611	675
Hydrochloric acid (100% HCl)	3,090	2,896	Sulfuric acid gross ⁹ (mil. sh. tons)	43	44
Hydrofluoric acid, anhydrous and aqueous (100% HF)	200	213	Titanium dioxide ¹⁰ (100% TiO ₂)	742	727
Hydrogen ¹¹ (billion cu. ft.)	108	106			

¹Excludes quantities of acetylene produced and consumed by railroad shops, shipyards, and small establishments using portable generators. ²Includes quantities produced and consumed by municipalities. ³Excludes byproduct coke-oven production. ⁴Includes data for decolorizing and water purification grades only. ⁵Excludes quantities produced and consumed in plants manufacturing soda ash or urea. ⁶Total production, including quantities liquefied for use, storage, or shipment. ⁷99.5-100%. ⁸Excludes quantities produced and consumed in manufacture of methanol and ammonia, produced by ammonia dissociation process, or disposed of as waste, e.g. vented, used as fuel, etc. Excludes amounts of hydrogen produced in petroleum refineries for captive use. ⁹Less than 99.5%. ¹⁰Excludes amounts produced and consumed in making male, ortho-, and sesquioxides. ¹¹100% H₂SO₄. Includes sulfuric acid of claim grades. ¹²Composite and pure.

Source: U.S. Bureau of the Census, compiled from manufacturers reports and published in *Current Industrial Reports*, series MA28A, MA28B, and MA28C.

No. 1415. PETROLEUM AND COAL PRODUCTS—VALUE OF SHIPMENTS AND INVENTORIES: 1963 TO 1980

[In millions of dollars. See also table 1265]

ITEM AND PRODUCT	1963	1967	1972	1975	1976	1977	1978	1979	1980
Shipments, total.....	16,864	20,321	27,349	66,458	83,947	100,349	140,887	166,791	
Petroleum refining ¹	15,558	19,248	24,773	62,481	74,348	88,580	93,745	133,356	182,436
Gasoline.....	7,978	9,844	13,030	31,502	36,841	41,840	45,529	52,741	60,736
Jet fuel.....	533	1,100	1,372	3,702	4,229	5,359	5,720	8,383	13,279
Kerosene.....	375	431	372	791	828	893	797	1,306	1,683
Light fuel oil.....	2,896	3,306	4,408	11,268	13,554	17,509	17,864	25,632	33,414
Heavy oil.....	522	586	1,107	4,626	5,243	6,794	6,800	9,036	11,517
Liquefied refinery gases.....	703	1,136	1,153	2,810	3,604	4,501	4,823	7,860	9,531
Lubricating oils and greases.....	785	884	895	1,443	1,639	1,719	1,847	2,824	3,339
Unfinished oils and lubricating oils base stock.....	526	613	734	1,813	2,195	2,888	3,133	5,312	6,890
Asphalt.....	361	424	672	1,541	1,564	2,217	2,131	2,826	3,140
Other petroleum products, and refinery products.....	681	945	1,031	3,056	4,552	4,870	5,501	7,837	9,337
Paving mixtures and blocks.....	403	530	683	1,203	1,229	1,519	1,931	1,963	2,313
Asphalt felts and coatings.....	406	519	902	1,483	1,700	1,829	2,367	2,899	2,731
Lubricating oils and greases not made in refining.....	426	443	642	1,059	1,218	1,514	1,767	2,271	2,930
Other.....	89	80	139	253	351	495	490	565	891
Inventories, total ²	1,618	2,036	2,223	4,751	5,213	5,686	5,498	7,053	9,389
Petroleum refining.....	1,606	1,904	2,002	4,396	4,802	5,196	4,963	7,074	9,179

¹ Petroleum refining by product class. ² Includes lubricating oils and greases from purchased materials. Inventories as of end of reporting year.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, MC 77-1-29A, and *Annual Survey of Manufactures*.

No. 1416. RUBBER—NEW SUPPLY, DISTRIBUTION, AND STOCKS: 1960 TO 1980

[In thousands of long tons. 1960 excludes Alaska and Hawaii, except for imports and exports, which also include Puerto Rico. Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic comprises SBR (including weight of oil content), neoprene, butyl, and butadiene-acrylonitrile, all years; beginning 1969, also includes polyisobutylene, chloroprene-polyethylene, and polysulfide, silicone, acrylic, styrene, and fluorocarbon rubbers. Reclaimed comprises both natural and synthetic.]

ITEM	1966	1968	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980
New supply.....	2,166	2,561	3,042	3,340	3,547	3,285	3,836	3,333	3,557	3,772	3,616	3,172
Domestic production ¹	1,729	2,094	2,398	2,611	2,768	2,492	2,077	2,468	2,800	2,630	2,889	2,389
Synthetic.....	1,436	1,813	2,197	2,417	2,586	2,356	1,956	2,387	2,481	2,706	2,764	2,272
Imports ²	420	467	644	729	779	793	749	636	657	943	927	612
Natural.....	411	445	550	618	643	682	656	714	793	771	769	616
Distribution.....	2,863	2,667	3,801	3,410	3,684	3,344	2,886	3,222	3,616	3,773	3,846	(³)
Domestic consumption ³	1,835	2,326	2,677	3,121	3,266	3,039	2,706	2,919	3,343	3,471	3,409	(³)
Synthetic.....	1,079	1,540	1,816	2,292	2,402	2,175	1,933	2,138	2,433	2,559	2,541	(³)
Exports ³	369	331	324	289	316	305	250	303	276	302	437	467
Synthetic.....	342	282	299	265	295	284	226	281	252	284	416	465
Stocks, end of year ¹	389	442	646	632	629	644	636	642	582	686	379	312

¹ Includes reclaimed and synthetic. ² Natural, synthetic and reclaimed. ³ Series discontinued as of 1980.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-30A.

No. 1417. MISCELLANEOUS PLASTICS PRODUCTS—VALUE OF SHIPMENTS: 1975 TO 1980

[In millions of dollars. Excludes all products specifically classified in other industries such as converted flexible packaging, boats, toys, sporting goods, luggage, etc., and captive production of plastics by companies who ship products other than those classified in SIC industry 3079.]

PRODUCT	1975	1976	1979	1979	1980, prel.	PRODUCT	1975	1976	1978	1979	1980, prel.
Miscellaneous plastics products.....	16,633	16,879	27,166	29,346	30,346	Custom compounded purchased resins.....	352	447	668	1,154	1,177
Unsupported plastics film sheets, sheeting, rods, tubes, and other.....	2,701	3,318	4,580	5,061	5,156	Furniture components and furnishings.....	543	664	1,127	1,214	1,257
Laminated sheets, rods, and tubes.....	801	1,029	1,306	1,642	1,561	Packaging.....	2,051	2,368	3,063	3,729	4,304
Building and construction plastics products.....	1,339	1,628	3,008	3,120	3,286	Transportation.....	1,182	1,508	2,598	2,542	1,838
Regenerated cellulosic prod., etc. rayon.....	473	574	357	308	311	Electrical and electronic.....	609	694	1,519	1,576	1,849
						Consumer, institutional, and commercial fabricated plastics products.....	3,981	4,341	3,540	3,607	3,865

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-30D.

No. 1418. IRON AND STEEL INDUSTRY—SUMMARY: 1960 TO 1981

[Reporting companies in 1981 represented 65 percent of raw steel production of entire industry. The user should recognize that many of these companies produce and sell products and services other than those related to the steel industry; therefore the financial data reported represents the total operations of the steel companies]

ITEM	Unit	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Steel mill products, apparent supply	Mil. tons ¹	71.5	100.6	97.1	89.0	101.1	108.4	116.6	115.0	95.2	104.0
Net shipments	Mil. tons ¹	71.1	92.7	90.8	80.0	89.4	91.1	97.9	100.3	83.9	87.0
Exports	Mil. tons ¹	3.0	2.5	7.1	3.0	2.6	2.0	2.4	2.8	4.1	2.9
Imports	Mil. tons ¹	3.4	10.4	13.4	12.0	14.3	19.3	21.1	17.5	15.5	16.9
Percent of total supply	Percent	4.7	10.3	13.8	13.5	14.1	17.8	18.1	15.2	16.3	19.1
Scrap consumed	Mil. tons ¹	52.1	69.8	69.3	62.8	66.4	69.3	76.3	77.2	66.6	70.5
Scrap produced	Mil. tons ¹	33.3	46.7	46.4	40.1	43.5	42.4	44.6	45.4	36.9	38.9
Scrap inventory	Mil. tons ¹	7.7	6.0	6.5	7.6	8.6	7.7	6.9	7.4	6.9	7.3
Iron and steel products:											
Exports	Mil. tons ¹	4.1	3.1	6.1	4.1	3.9	3.2	3.5	3.8	5.1	3.8
Imports	Mil. tons ¹	4.1	12.0	14.6	13.9	16.3	21.7	24.1	20.3	17.9	22.6
Revenues	Bil. dol.	14.2	18.0	19.3	33.7	36.5	39.7	49.5	56.7	53.8	62.0
Net income	Bil. dol.	.8	1.1	.5	1.6	1.3	(2)	1.2	1.2	1.7	2.6
Stockholders equity ²	Bil. dol.	10.5	12.0	13.0	16.2	17.2	18.0	17.6	17.7	18.1	19.5
Total assets	Bil. dol.	15.9	18.8	23.6	30.4	33.6	35.4	38.4	40.2	43.7	47.5
Net fixed assets	Bil. dol.	8.8	10.0	14.1	16.9	18.7	19.7	20.3	21.3	22.4	23.2
Capital expenditures	Bil. dol.	1.5	1.8	1.7	3.2	3.3	2.9	2.5	3.3	3.4	3.5
Working capital ratio	Ratio	2.6	2.4	1.9	2.0	1.9	1.8	1.8	1.7	1.7	1.6
Inventories	Bil. dol.	3.0	3.2	1.1	5.4	6.4	5.9	6.6	6.8	6.8	6.1
Average employment	1,000	572	584	531	457	454	462	449	453	399	391
Hours worked	Million	1,087	1,421	1,220	665	677	676	662	664	758	753
Index of output all employees ³	1977=100	71	87	88	93	99	100	106	107	103	112
Producer price indexes: ⁴											
Iron and steel, total	1967=100	97.1	97.9	115.1	200.9	215.9	230.4	253.6	283.5	306.2	333.6
Steel mill products	1967=100	96.4	97.5	114.2	197.2	209.6	229.9	254.5	280.4	302.7	337.6
Finished	1967=100	96.3	97.5	114.2	196.6	209.0	229.0	253.5	279.5	301.2	336.2
Semifinished	1967=100	97.1	98.3	112.2	206.7	223.1	243.6	270.5	294.3	325.6	359.3
Pig iron and ferroalloys	1967=100	120.4	100.3	114.8	264.7	261.6	257.1	260.0	298.7	307.4	316.2
Iron ore	1967=100	106.0	100.7	100.4	154.3	171.0	186.1	194.9	216.7	244.8	268.4
Scrap, iron and steel	1967=100	110.2	112.6	138.8	245.6	259.0	231.2	264.6	341.9	328.1	327.4
Foundry and forge shop products	1967=100	92.0	94.6	112.1	194.3	218.6	230.5	249.5	277.1	310.0	329.6

Z Less than \$50 million. ¹In millions of short tons. ²Prior to 1974, as of December 31, thereafter, as of January 1.
³Index of output per employee hour. ⁴Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly and annual.

Source: Except as noted, American Iron and Steel Institute, Washington, D.C., *Annual Statistical Report*. (Copyright.)

No. 1419. PIG IRON AND FERROALLOYS—SUMMARY: 1960 TO 1981

[in millions of short tons, except furnaces]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Blast furnaces, Jan. 1	263	239	226	218	206	199	193	179	179	176	(NA)	(NA)
Number in blast, Jan. 1	229	191	169	126	163	136	119	107	(NA)	(NA)	(NA)	(NA)
Total production ¹	66.6	80.9	83.5	91.3	96.9	79.8	66.9	61.9	67.7	67.5	68.7	73.6
Basic	56.3	69.4	66.4	71.2	91.2	75.9	62.9	58.2	64.5	64.0	67.0	71.2
Bessemer ²	3.8	2.9	1.6	1.4	1.2	1.2	1.3	.4	.4	.2	-	1
Foundry ³	2.2	2.3	2.3	2.0	1.5	1.3	1.5	1.8	1.9	1.5	7	1.2
All other	4.4	5.2	3.2	4.0	2.0	1.5	1.2	1.1	.9	1.3	1.0	1.1

- Represents zero. NA Not available. ¹Beginning 1974, includes blast furnace ferroalloys. ²Includes low phosphorus. ³Includes ferroalloy.

Source: American Iron and Steel Institute, Washington, D.C., *Annual Statistical Report*. (Copyright.)

No. 1420. RAW STEEL PRODUCTION: 1950 TO 1981

[in millions of net tons, except percent. See also *Historical Statistics, Colonial Times to 1970*, series P 265-269]

ITEM	1950	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
World production	207.9	379.7	509.1	654.2	768.6	782.8	712.0	745.6	741.6	790.6	824.5	790.4	780.7
U.S. production	66.6	99.3	131.5	131.5	150.8	145.7	118.6	126.0	125.3	137.0	136.3	111.8	120.6
Percent of world	46.6	26.0	26.2	20.1	19.6	18.6	16.4	17.2	16.9	17.3	16.5	14.2	15.5
Basic oxygen process	-	3.3	22.9	63.3	63.3	61.6	71.8	79.9	77.4	63.5	63.3	67.6	73.2
Electric	6.0	6.4	13.8	20.2	27.6	29.7	22.7	24.6	27.9	32.2	33.9	31.2	34.1
Open hearth ¹	60.8	67.8	94.8	48.0	39.8	35.5	22.2	23.5	20.0	21.9	19.1	13.0	13.6
Carbon	66.3	90.9	116.7	117.4	132.7	126.8	100.4	112.0	108.1	116.9	116.2	94.7	101.5
Alloy and stainless	6.5	8.4	14.8	14.1	18.1	19.1	16.3	16.0	17.2	20.1	20.1	17.1	19.3

- Represents zero. ¹Preliminary. ²Prior to 1970, includes bessemer.

Source: American Iron and Steel Institute, Washington, D.C., *Annual Statistical Report*. (Copyright.)

NO. 1421. STEEL PRODUCTS—NET SHIPMENTS, BY MARKET CLASSES: 1960 TO 1981

(In thousands of short tons. Complete carbon, alloy, and stainless steel. "N.e.c." means not elsewhere classified)

MARKET CLASS	1960	1965	1970	1975	1977	1978	1979	1980	1981
Total ¹	71,149	92,898	99,799	79,957	91,147	97,936	100,262	93,953	87,014
Automotive	14,610	20,123	14,475	15,214	21,490	21,253	18,621	12,124	13,154
Steel service centers, distributors	11,125	14,813	18,025	12,700	15,348	17,333	18,248	16,172	17,837
Construction, incl. maintenance	9,864	11,836	8,913	6,119	7,553	9,612	9,978	8,742	6,446
Containers, packaging, shipping	6,429	7,331	7,775	6,053	8,714	6,595	8,772	5,551	5,292
Machinery, industrial equipment, tools	3,958	5,673	5,169	5,173	5,588	5,982	5,986	4,543	4,824
Steel for converting and processing	2,928	3,932	3,443	3,255	3,679	4,612	5,058	4,117	5,059
Rail transportation	2,525	3,805	3,098	3,152	3,236	3,549	4,111	3,155	2,182
Contractors' products	3,602	5,018	4,440	3,827	4,500	3,480	3,745	3,149	3,239
Oil and gas industries	1,759	1,936	3,550	4,171	3,650	4,140	3,739	5,371	6,238
Electrical equipment	2,078	2,885	2,694	2,173	2,639	2,811	2,619	2,441	2,800
Appliances, utensils, and cutlery	1,780	2,179	2,180	1,853	2,129	2,084	2,140	1,725	1,775
Other domestic commercial equipment	1,959	2,179	1,778	1,390	1,846	1,889	2,073	1,701	1,822
Exports (reporting companies only)	2,583	2,078	5,965	1,755	1,076	1,224	2,007	2,595	1,845
Agricultural, incl. machinery	1,003	1,463	1,126	1,429	1,743	1,805	1,971	1,240	1,229
Independent forgers, n.e.c.	841	1,250	1,048	1,098	996	1,192	1,254	933	1,035
Industrial fasteners ²	1,071	1,234	1,005	875	848	870	934	580	648
Shipbuilding and marine equipment	622	1,051	859	1,413	959	945	924	1,201	1,101
Mining, quarrying, and lumbering	286	392	497	596	486	508	589	454	483
Ordnance and other military	165	289	1,222	405	193	207	204	177	198
Aircraft and aerospace	78	94	58	69	63	60	60	53	37

¹Total includes nonclassified shipments, and, beginning 1970, data include estimates for a relatively small number of companies which report raw steel production but not shipments. ²Bolts, nuts, rivets, and screws.Source: American Iron and Steel Institute, Washington, D.C., *Annual Statistical Report*. (Copyright.)

NO. 1422. FERROUS AND NONFERROUS CASTINGS—SHIPMENTS: 1960 TO 1981

(In thousands of short tons. Data are based on a sample of foundries)

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Ferrous castings: ¹											
Gray iron castings ^{2,3}	11,594	15,713	13,845	15,881	13,326	15,103	16,014	16,124	15,402	11,799	9,729
Pressure pipe and fittings	1,338	1,876	1,891	1,957	1,380	1,414	1,600	1,680	1,546	1,398	1,239
Soil pipe and fittings	782	958	953	771	449	533	457	512	482	375	476
All other	9,478	12,879	11,301	12,933	11,499	13,156	13,904	13,922	13,374	10,026	8,013
Malleable iron castings ²	821	1,136	852	812	770	845	815	790	715	450	421
For sale	467	648	521	553	484	518	479	455	376	206	209
For own use	354	488	331	359	286	327	336	335	339	244	221
Standard malleable	632	827	628	689	534	570	572	542	496	312	291
Pearlitic malleable	189	309	224	243	236	275	243	248	219	138	130
Steel castings ^{1,3}	1,382	1,981	1,724	2,091	2,026	1,893	1,867	1,857	2,039	1,876	1,732
Carbon	1,016	1,379	1,147	1,394	1,756	1,890	1,474	1,875	1,342	1,225	1,111
Alloy	376	583	577	697	269	233	193	182	697	653	621
Nonferrous castings, all types ¹	2,281	3,437	3,033	3,211	2,534	3,157	3,281	3,327	3,253	2,432	2,439
Copper and copper-base alloy	780	869	751	671	519	549	580	580	617	489	471
Aluminum and aluminum-base alloy	775	1,409	1,508	1,759	1,375	1,700	2,009	2,086	2,061	1,536	1,398
Zinc and zinc-base alloy	623	1,065	899	893	572	691	613	574	491	346	330
Magnesium and magnesium-base alloy	24	32	34	49	32	39	49	45	28	24	20
Lead and lead-base alloy die ³	21	42	45	39	36	32	31	40	38	35	37

¹1960 excludes Alaska and Hawaii. ²Beginning 1975, data not strictly comparable with earlier years. ³Includes shipments "for own use." ⁴Includes ductile (nodular) iron castings. ⁵Excludes lead die casting for battery plates and parts.Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M33A and M33E.

NO. 1423. COPPER-BASE MILL AND FOUNDRY PRODUCTS—SHIPMENTS: 1960 TO 1981

(In millions of pounds, metal weight. 1960 excludes Alaska and Hawaii)

PRODUCT	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981, est.
Total	4,286	6,289	5,840	7,195	8,196	4,839	5,512	5,960	6,298	6,707	5,796	5,957
Brass mill products	1,878	2,974	2,513	3,319	2,813	2,025	2,517	2,868	2,712	2,976	2,467	2,632
Alloyed ¹	1,128	1,711	1,542	2,060	1,816	1,324	1,643	1,726	1,750	1,889	1,508	1,685
Unalloyed	750	1,263	971	1,259	997	701	873	942	962	1,107	959	947
Copper wire mill products ²	1,521	2,177	2,329	3,032	2,647	2,058	2,383	2,667	2,911	3,048	2,789	2,847
Brass and bronze foundry products	662	1,075	751	780	867	512	547	583	580	617	489	471
Copper-base powder mill products	30	62	47	54	69	48	55	64	63	66	47	57

¹Excludes webbing scrap (military ammunition cups and discs). ²Copper content.Source: U.S. Bureau of the Census and U.S. Bureau of Industrial Economics, *Current Industrial Reports*, series ITA-88A, annual.

NO. 1424. ALUMINUM AND MAGNESIUM MILL PRODUCTS—NET SHIPMENTS: 1960 TO 1981

[In millions of pounds. 1980 excludes Alaska and Hawaii. Producers' net shipments consist of total shipments less shipments to other metal mills for further fabrication into other forms of mill products]

PRODUCT	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Aluminum mill products.....	3,040	5,882	7,388	10,481	7,427	8,788	10,442	11,346	11,341	10,485	10,342
Plate, sheet, and foil.....	1,837	3,019	4,247	6,374	4,864	6,346	6,546	7,285	7,205	6,892	6,548
Extruded shapes and tubing.....	937	1,719	1,823	2,384	1,643	2,141	2,396	2,509	2,426	2,329	2,207
Roll structural shapes, rod, bar ¹	392	800	983	1,387	924	995	959	1,280	1,337	1,213	1,049
Powder, flake and paste.....	33	59	205	177	99	132	121	136	128	117	105
Forgings and impacts.....	50	95	120	138	97	100	121	138	147	134	139
Magnesium mill products.....	21	22	31	29	29	27	22	40	44	36	32

¹ Includes wire.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M33-2 and MA33G.

NO. 1425. MACHINE TOOL ORDERS AND SHIPMENTS: 1960 TO 1981

[In millions of dollars. These data represent total industry volume based on reports from members of the National Machine Tool Builders' Association. The reporting companies produce about 90 percent of the U.S. machine tool output]

YEAR	METAL CUTTING TYPE TOOLS					METAL FORMING TYPE TOOLS				
	New orders (net)		Shipments		backlog, end of period	New orders (net)		Shipments		Order backlog, end of period
	Total	Domestic	Total	Domestic		Total	Domestic	Total	Domestic	
1960.....	535	375	542	421	344	210	153	203	160	100
1961.....	592	401	541	397	394	183	136	210	156	79
1962.....	572	489	613	450	354	245	193	208	156	109
1963.....	780	607	838	526	475	302	263	257	215	153
1964.....	1,039	861	845	679	669	540	487	320	281	374
1965.....	1,252	1,123	1,023	886	899	442	410	403	393	412
1966.....	1,630	1,483	1,222	1,068	1,307	446	401	463	437	394
1967.....	1,135	1,025	1,353	1,211	1,069	287	248	453	407	228
1968.....	1,079	980	1,358	1,236	810	395	361	369	324	255
1969.....	1,195	1,033	1,192	1,077	812	533	484	405	369	383
1970.....	651	507	983	827	471	281	227	450	412	235
1971.....	809	524	872	554	408	252	223	326	286	182
1972.....	1,009	677	714	627	702	403	368	304	267	261
1973.....	1,825	1,550	1,074	936	1,454	787	717	427	368	621
1974.....	2,017	1,716	1,446	1,241	2,025	586	406	585	522	521
1975.....	918	781	1,879	1,548	1,082	361	213	573	485	219
1976.....	1,682	1,477	1,482	1,270	1,242	541	509	578	474	209
1977.....	2,202	1,961	1,651	1,470	1,794	793	731	630	560	384
1978.....	3,373	3,043	2,189	1,960	2,981	973	897	825	729	518
1979.....	4,495	3,968	2,930	2,608	4,548	1,126	920	947	860	619
1980.....	3,885	3,496	3,681	3,206	4,750	870	665	1,011	679	385
1981.....	2,226	1,846	4,105	3,552	2,873	717	617	991	824	427

NA Not available.

Source: National Machine Tool Builders Association; data published in U.S. Bureau of Economic Analysis, *Business Statistics*, 1979, for 1965-1978; thereafter, *Survey of Current Business*, monthly.

NO. 1426. SELECTED HEATING EQUIPMENT—SUMMARY OF SHIPMENTS: 1975 TO 1980

[Included in SIC major group 34; represents companies with 20 or more employees. Data are ranked by latest year value]

ITEM	QUANTITY (1,000 units)					VALUE (mil. dol.)				
	1975	1977	1978	1979	1980	1975	1977	1978	1979	1980
Domestic heating stoves.....	1,097	1,590	2,054	2,806	2,042	80	183	234	310	408
Oil burners, sold separately.....	554	641	888	688	476	63	64	90	101	90
Gas-fired unit heaters.....	101	170	178	162	108	22	44	60	52	33
Floor and wall furnaces.....	361	404	493	327	289	32	44	60	46	46
Solar energy collectors ¹	(NA)	(NA)	171	227	340	(NA)	(NA)	27	33	64
Mechanical stokers.....	(2)	1	1	2	1	5	11	9	11	13
Duct furnaces.....	14	18	25	24	23	5	7	9	9	9

NA Not available.

Z Less than 500.

¹ For related data, see table 1006.

² Excludes concentrating collectors.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-34N.

NO. 1427. MACHINERY (EXCEPT ELECTRICAL)—VALUE OF SHIPMENTS: 1960 TO 1980

[In millions of dollars. "N.e.c." means not elsewhere classified. Includes products with shipments of \$1 billion or more in 1980. Based on sample; see Appendix III]

PRODUCT	1960	1970	1972	1975	1976	1977	1978	1979	1980
Ball and roller bearings	535	1,285	1,419	2,045	2,195	2,445	2,795	3,156	3,352
Blowers and fans ¹	269	847	682	1,247	1,400	1,422	1,511	1,703	1,902
Calculating and accounting machines ¹	(NA)	525	894	837	790	836	891	1,170	1,233
Electronic computing equipment ¹	(NA)	5,871	6,108	6,443	10,134	12,673	15,769	20,399	25,668
Carburetors, pistons, rings, and valves	(NA)	530	792	896	1,120	1,299	1,807	1,775	1,898
Construction machinery ¹	940	2,049	3,161	5,070	5,540	6,597	6,018	6,718	8,486
Conveyors and conveying equipment ¹	357	614	826	1,333	1,385	1,684	1,923	2,316	2,530
Farm machinery, except tractors ¹	1,449	3,065	2,928	5,316	5,907	6,912	7,357	8,969	8,834
Lawn and garden equipment ¹			1,143	1,556	1,676	1,747	2,116	2,704	2,419
Farm tractors, wheel-type, incl. attachments	511	915	1,215	2,374	2,514	2,637	2,524	3,094	2,919
Food products machinery ¹	462	823	867	1,411	1,394	1,576	1,955	2,052	2,159
Holists, cranes, and monorails ¹	201	487	446	756	809	901	1,009	1,268	1,395
Industrial furnaces and ovens ¹	215	377	341	532	585	704	794	950	1,042
Industrial trucks and tractors ¹	369	890	1,005	1,302	1,341	1,800	2,266	2,797	2,582
Internal combustion engines ^{1,2}	1,215	2,762	3,353	5,191	6,136	7,546	9,084	9,824	9,853
Machine tools, metal cutting types ¹	747	1,544	1,259	2,406	2,146	2,561	3,377	4,128	4,952
Machine tools, metal forming types ¹	379	735	670	1,026	1,051	1,115	1,368	1,635	1,746
Office machines, n.e.c. and typewriters ¹	456	978	1,047	1,334	1,563	2,020	2,422	2,756	3,246
Oil field machinery ¹	507	934	980	2,412	2,637	3,219	4,046	4,885	6,517
Paper industries machinery ¹	348	455	381	761	773	898	799	1,017	1,177
Power-driven handtools ¹	254	523	725	772	878	1,497	1,894	1,911	2,084
Printing trades machinery ¹	350	657	737	940	1,008	1,267	1,536	1,746	2,053
Pumps and pumping equipment ¹	1,107	2,203	1,033	2,823	2,965	3,523	4,037	4,897	5,295
Refrigeration and heating equipment ¹	1,806	5,053	6,232	6,151	7,563	6,502	10,158	10,939	10,253
Small cutting tools for machine tools	401	700	736	1,165	1,277	1,376	1,852	2,024	2,196
Special dies, tools, jigs, and fixtures	1,751	2,775	2,714	3,068	3,620	4,450	5,069	5,733	6,165
Turbines, and turbine generator sets ¹	623	1,640	2,080	2,565	2,803	2,813	2,824	3,211	3,601
Textile machinery ¹	494	712	736	851	918	857	949	1,057	1,123
Tractor shovel loaders	266	591	811	1,280	1,141	1,537	1,926	2,077	1,999
Trucking tractors	270	479	564	1,126	1,061	1,165	1,421	1,358	1,326

NA Not available. ¹ Includes parts. ² Excludes tractors and tractor shovel loaders. ³ Excludes aircraft and gasoline automotive.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972 and 1977*, and *Annual Survey of Manufactures*.

NO. 1428. ELECTRICAL MACHINERY AND PRODUCTS SHIPMENTS: 1960 TO 1980

[In millions of dollars. All figures based on sample and subject to sampling variability. "N.e.c." means not elsewhere classified. Includes products with shipments of \$2 billion or more in 1980]

PRODUCT	1960	1965	1970	1972	1975	1976	1977	1978	1979	1980, prel.
Batteries	558	831	1,056	1,270	1,747	2,110	2,535	2,938	3,266	3,364
Communications equipment	2,029	3,098	5,444	5,529	7,941	8,572	11,031	12,499	14,861	17,571
Telephone and telegraph apparatus	1,431	1,953	3,575	3,974	4,734	5,132	7,119	8,003	9,677	11,162
Communication equipment, excluding broadcast	597	1,145	1,869	1,555	2,739	2,890	3,344	3,789	4,282	5,261
Connectors for electronic applications	(NA)	2,276	3,134	524	839	838	996	1,322	1,683	2,010
Current carrying wiring devices	822	844	963	1,207	1,240	1,641	1,825	2,024	2,561	2,704
Electric housewares and fans	599	1,002	1,261	1,448	1,687	1,979	2,304	2,372	2,730	3,094
Electronic components and subassemblies, n.e.c.	(NA)	(?)	(?)	3,210	3,445	4,262	5,574	6,827	8,611	10,122
Engine electrical equipment	772	1,059	1,437	1,781	2,050	2,649	3,049	3,432	3,424	3,008
General industry power circuit devices	567	825	1,154	1,246	1,874	2,013	2,429	2,997	3,464	3,977
Household cooling equipment	469	624	611	1,027	1,101	1,514	1,807	2,089	2,212	2,330
Household refrigerators and freezers	806	960	1,220	1,419	1,611	1,579	2,006	2,045	2,314	2,292
Lamp bulbs	490	543	685	1,069	1,225	1,477	1,630	1,894	2,143	2,050
Lighting fixtures	849	1,313	1,796	2,276	2,366	2,738	3,230	1,852	2,125	2,230
Motors and generators	1,506	1,936	2,478	2,636	3,677	4,129	4,976	5,880	6,436	6,528
Noncurrent carrying wiring devices	360	836	700	633	1,074	1,171	1,316	1,574	1,966	2,009
Radio and TV receiving sets ¹	1,841	2,984	2,965	3,589	3,545	4,143	4,731	5,484	5,489	4,084
Television receivers	775	1,687	1,766	2,149	1,924	2,225	2,451	2,802	2,975	3,393
Semiconductors and related devices	(8)	839	1,582	2,361	3,036	4,079	4,532	5,615	7,358	9,465
Switchgear and switchboard apparatus	899	1,299	1,849	2,059	2,509	2,662	3,208	3,692	4,075	4,688
Transformers	725	891	1,378	1,436	1,789	1,821	2,116	2,371	2,538	2,796
X-ray and electromedical equipment	66	121	235	383	740	820	1,638	1,958	2,283	2,419

NA Not available. S Withheld because data did not meet publication standards. ¹ Includes items not shown separately. ² Data for "Electronic components and subassemblies" included with "Connectors for electronic applications."

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972 and 1977*, and *Annual Survey of Manufactures*.

No. 1429. ELECTRONIC COMPUTING EQUIPMENT INDUSTRY—SUMMARY: 1972 TO 1980

[In millions of dollars, except as indicated. Data for the noncensus years (all years except 1972 and 1977) are based on sample surveys and are therefore subject to sampling errors. Included in SIC major group 36. See source for further detail.]

ITEM	1972	1973	1974	1975	1976	1977	1978	1979	1980, prel.
Employment, total (1,000)	144.5	165.3	176.7	162.5	165.7	192.7	232.1	273.9	304.8
Salaries and wages	1,888	1,873	2,222	2,292	2,451	3,004	3,814	4,777	5,916
Production workers (1,000)	64.7	74.9	86.8	73.8	71.3	85.5	102.9	122.0	134.7
Work-hours (million)	130.5	151.4	173.0	145.9	144.0	172.4	202.3	243.8	268.7
Workers wages	547	680	795	731	707	978	1,267	1,546	1,875
Value added	3,496	4,238	5,205	4,960	6,108	7,624	9,828	12,465	14,717
Supplemental labor cost	205	237	312	343	399	528	698	904	1,097
Cost of materials	2,981	3,481	4,164	3,705	4,360	5,701	7,519	9,965	12,787
Value of shipments	6,471	7,423	9,122	8,560	10,388	12,924	16,558	21,486	26,594
New capital expenditures	213	207	296	292	373	652	1,101	1,317	1,738
Inventories	1,574	2,005	2,478	2,254	2,294	3,008	3,989	5,524	8,679
Assets, total	1,895	1,857	2,085	2,232	2,353	3,042	4,078	5,196	(NA)
Ratio of:									
Cost of materials, supplemental labor cost, and salaries and wages to value of shipments	.750	.753	.753	.741	.696	.714	.727	.730	.745
Cost of materials to value of shipments	.461	.460	.457	.433	.422	.441	.454	.465	.481
Value added to value of shipments	.540	.571	.571	.548	.586	.590	.581	.581	.553
Value added to work-hours	26.78	27.99	30.09	32.15	42.42	44.22	47.59	51.13	54.77

NA Not available.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972 and 1977, and Annual Survey of Manufactures*.

No. 1430. ELECTRONIC COMPONENTS AND ACCESSORIES INDUSTRY—SUMMARY: 1972 TO 1980

[In millions of dollars, except as indicated. Included in SIC major group 36. See heading, table 1429.]

ITEM	1972	1973	1974	1975	1976	1977	1978	1979	1980
Employment, total (1,000)	336.0	394.8	381.7	302.3	323.0	373.5	412.3	467.6	498.6
Salaries and wages	2,870	3,474	3,686	3,356	3,763	4,557	5,294	6,461	7,780
Production workers (1,000)	233.9	283.2	266.3	197.6	218.8	257.9	286.7	324.5	336.6
Workers wages	1,580	1,971	1,974	1,705	1,964	2,457	2,887	3,484	4,050
Value added	5,305	6,596	6,963	5,984	7,566	9,260	10,981	14,213	16,902
Supplemental labor cost	386	481	571	536	609	811	996	1,232	1,487
Cost of materials	3,486	4,437	4,635	3,964	5,006	6,390	7,210	8,206	11,434
Value of shipments	8,826	10,783	11,301	10,069	12,433	15,360	17,912	22,706	27,647
New capital expenditures	344	629	785	536	651	783	1,119	1,581	2,618
Inventories	1,495	1,965	2,268	2,050	2,320	2,773	3,275	4,376	5,366
Assets, total	3,701	4,063	4,469	4,699	5,228	6,026	6,964	8,142	(NA)
Rents, total	65	81	97	106	112	107	115	145	(NA)
Ratio of:									
Cost of materials to value of shipments	.393	.411	.410	.395	.403	.415	.403	.405	.414
Value added to value of shipments	.601	.612	.616	.593	.609	.602	.613	.627	.611

NA Not available.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972 and 1977, and Annual Survey of Manufactures*.

No. 1431. ELECTRONIC COMPONENTS—FACTORY SALES: 1970 TO 1981

[In millions of dollars]

SALES	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	6,266	8,774	6,994	9,906	10,409	6,285	10,884	13,033	16,440	20,844	24,376	24,376
Active components	2,389	2,251	2,725	4,094	4,310	3,651	4,886	5,154	6,301	8,201	10,180	9,814
Electron tubes	1,076	1,094	1,256	1,336	1,199	1,071	1,299	1,296	1,451	1,586	1,776	2,014
TV tubes	462	533	651	722	613	499	637	633	732	799	959	1,069
Semiconductors	1,293	1,157	1,467	2,756	3,114	2,580	3,433	3,656	4,650	6,615	8,402	7,800
Integrated circuits	524	534	716	1,421	1,767	1,458	2,032	2,484	3,261	4,871	6,390	(NA)
Transistors ¹	352	309	359	634	686	522	621	631	670	792	806	(NA)
Diodes and rectifiers	376	279	314	391	436	329	390	394	457	557	613	(NA)
Other	39	41	76	310	241	271	390	369	462	595	623	(NA)
Passive components	1,133	1,069	1,184	1,594	1,726	1,439	1,599	1,842	2,137	2,899	2,906	2,842
Capacitors	483	436	436	612	676	470	606	744	897	1,050	1,299	1,297
Resistors	365	359	411	537	514	447	449	477	504	647	653	636
Coils and transformers	285	274	335	445	536	489	485	560	654	791	836	870
Passive networks	(NA)	(NA)	(NA)	(NA)	(NA)	32	47	61	82	111	118	139
Other components ²	2,703	2,455	2,985	4,218	4,367	4,187	4,629	5,037	5,002	9,844	11,186	11,519
R & D expenditures ³	571	463	455	485	589	501	427	589	622	803	909	(NA)

NA Not available. ¹ Estimated. ² Includes dual transistors for 1970 through 1973. ³ Includes electronic connectors and other electronic components not elsewhere classified. ⁴ Electronic research and development, test and evaluation (receipts or billings not reported as shipments of specific products). Source: U.S. Bureau of the Census, *Current Industrial Reports*, various MASON, annual.

Source: Except as noted, Electronic Industries Association, Washington, D.C., *Electronic Market Data Book*, various (copyrights).

NO. 1432. MOTOR VEHICLES AND EQUIPMENT INDUSTRY—SUMMARY: 1967 TO 1980

[ASM—Annual Survey of Manufactures]

INDUSTRY AND YEAR	Estab- lish- ments (num- ber)	ALL EMPLOYEES		PRODUCTION WORKERS			Value added by manu- facture (mil. dol.)	Cost of mate- rials (mil. dol.)	Value of ship- ments (mil. dol.)	EXPENDITURES AND ASSETS		End- of- year inven- tories (mil. dol.)
		Num- ber (1,000)	Pay- roll (mil. dol.)	Num- ber (1,000)	Hours (mil.)	Wages (mil. dol.)				New cap- ital ex- pendi- tures (mil. dol.)	Gross value of fixed as- sets (mil. dol.)	
Motor vehicle and car bodies:												
1967 Census	181	321	2,889	262	524	2,088	7,354	19,885	27,298	283	3,889	1,802
1970 ASM	(NA)	306	3,033	245	477	2,297	7,348	20,531	27,751	306	4,753	2,075
1971 ASM	(NA)	341	3,884	283	573	3,072	11,880	28,526	40,307	316	4,985	1,976
1972 Census	231	339	4,300	284	588	3,405	11,783	31,170	42,906	917	5,422	2,184
1973 ASM	(NA)	369	5,147	309	657	4,097	13,686	36,677	50,228	808	5,490	2,532
1974 ASM	(NA)	320	4,801	262	515	3,568	10,849	33,187	43,899	1,043	6,332	2,888
1975 ASM	(NA)	283	4,340	235	447	3,405	10,441	34,795	45,340	858	6,334	2,640
1976 ASM	(NA)	324	5,577	274	590	4,732	15,844	47,190	62,717	1,047	6,767	3,380
1977 Census	322	344	7,078	290	620	5,725	18,724	58,132	76,518	1,706	(NA)	4,011
1978 ASM	(NA)	359	7,846	304	626	6,358	20,491	64,815	84,901	1,877	(NA)	4,410
1979 ASM	(NA)	348	8,150	292	591	6,497	20,753	64,227	85,147	1,906	(NA)	4,682
1980 ASM	(NA)	274	6,904	221	427	5,400	13,817	52,297	66,257	2,290	(NA)	4,123
Motor vehicle parts, accessories:												
1967 Census	1,674	385	2,891	300	609	2,244	5,712	5,943	11,824	572	5,519	1,489
1970 ASM	(NA)	357	3,357	290	588	2,581	6,432	6,864	13,073	562	6,770	1,822
1971 ASM	(NA)	380	3,957	314	632	3,081	8,118	8,019	16,118	429	6,983	1,884
1972 Census	2,119	401	4,802	332	695	3,620	9,185	9,330	18,334	1,113	7,858	2,030
1973 ASM	(NA)	444	5,491	371	782	4,357	10,841	11,273	21,807	1,034	8,035	2,632
1974 ASM	(NA)	410	5,248	337	676	4,070	10,250	11,886	21,858	1,290	9,298	3,140
1975 ASM	(NA)	362	4,963	294	577	3,799	9,988	11,961	22,030	1,114	9,879	2,885
1976 ASM	(NA)	410	6,454	340	689	5,074	13,709	15,859	29,024	962	10,116	3,088
1977 Census	2,623	451	8,004	373	777	6,285	16,264	19,750	35,751	1,842	(NA)	4,124
1978 ASM	(NA)	476	9,089	391	811	7,145	18,377	22,193	40,283	2,458	(NA)	4,537
1979 ASM	(NA)	459	9,087	373	748	7,009	18,034	22,082	39,807	2,751	(NA)	5,081
1980 ASM	(NA)	369	7,888	287	549	5,889	14,719	17,974	32,881	3,093	(NA)	4,585
Truck trailers:												
1967 Census	179	23	147	18	36	105	269	448	714	22	143	135
1970 ASM	(NA)	23	162	17	34	114	283	492	777	20	194	134
1971 ASM	(NA)	21	162	16	32	115	286	501	787	20	193	144
1972 Census	255	25	206	20	38	149	449	685	1,118	15	208	191
1973 ASM	(NA)	30	250	24	46	183	508	665	1,370	26	227	280
1974 ASM	(NA)	30	276	24	45	198	569	1,087	1,637	30	256	309
1975 ASM	(NA)	19	187	14	26	121	358	536	822	33	273	234
1976 ASM	(NA)	21	234	18	31	158	488	817	1,297	15	251	239
1977 Census	353	26	322	23	43	230	646	1,285	1,910	36	(NA)	355
1978 ASM	(NA)	32	403	28	50	287	939	1,604	2,498	39	(NA)	448
1979 ASM	(NA)	36	476	28	54	342	1,135	1,993	3,088	37	(NA)	483
1980 ASM	(NA)	28	412	21	39	281	834	1,581	2,436	56	(NA)	441

NA Not available.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, MC77-1-37A, and *Annual Survey of Manufactures*.

NO. 1433. TRANSPORTATION EQUIPMENT—VALUE OF SHIPMENTS: 1960 TO 1980

[In millions of dollars. "N.e.c." means not elsewhere classified]

TYPE OF EQUIPMENT	1960	1965	1970	1972	1975	1976	1977	1978	1979	1980, prel.
Aircraft ¹	4,853	5,277	8,722	7,538	10,881	11,723	12,053	13,810	16,925	23,388
Complete aircraft, military	2,395	2,857	3,833	2,803	4,017	4,671	4,580	3,718	4,430	5,882
Complete aircraft, personal and utility		337		474	1,003	1,204	2,034			
Complete aircraft, except personal and utility	1,270	1,275	3,176	2,787	3,863	5,355	2,872	6,372	10,883	13,053
Aircraft engines and engine parts	2,779	3,871	4,594	3,070	4,486	4,928	4,985	6,028	7,884	10,019
Aircraft equipment, n.e.c.	3,988	3,863	5,273	9,437	4,842	5,102	5,782	8,456	8,052	9,946
Boat building and repairing	331	423	644	1,031	1,290	1,571	1,822	2,103	2,238	2,129
Motor homes built on purchased chassis	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1,495	2,005	962	830
Motor vehicles and car bodies ²	18,739	26,310	26,811	41,048	43,384	50,753	72,979	80,551	80,133	61,429
Passenger cars and car chassis	14,009	21,852	19,391	29,248	28,883	39,748	47,799	50,815	60,306	42,417
Trucks, truck tractors, and truck chassis	2,573	4,289	5,734	9,586	11,872	16,597	21,544	25,830	25,840	15,493
Motor vehicle parts and accessories	12,273	18,875	13,189	19,417	23,023	30,385	37,842	42,952	42,906	35,636
Motorcycles, bicycles, and parts	129	226	395	541	705	688	847	1,001	1,112	1,160
Railroad equipment	1,087	2,027	(D)	2,284	3,885	3,336	4,002	5,207	7,313	7,173
Ship building and repairing ³	1,216	1,916	2,594	3,201	5,513	5,833	8,270	6,688	7,488	8,888
Self-propelled ships, military (new)	408	742	1,086	1,100	1,788	1,967	2,212	2,282	2,512	2,903
Self-propelled ships, nonmilitary (new)	351	262	514	816	1,808	1,825	1,917	1,861	1,890	1,810
Travel trailers and campers	(NA)	(NA)	(NA)	1,277	1,083	1,358	1,478	1,539	1,068	846
Truck and bus bodies	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1,881	2,168	2,287	2,074
Truck trailers	(NA)	871	786	1,078	876	1,250	1,807	2,380	2,935	2,869

D Withheld to avoid disclosure. NA Not available. ¹Includes data for products not shown separately. ²See table 1107 for number of civil aircraft shipments. ³Value of work done. ⁴Includes combat vehicles.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972 and 1977*, and *Annual Survey of Manufactures*.

**NO. 1434 HOME APPLIANCES AND HOME AND AUTO ELECTRONICS—SHIPMENTS AND RETAIL VALUE:
1970 TO 1981**

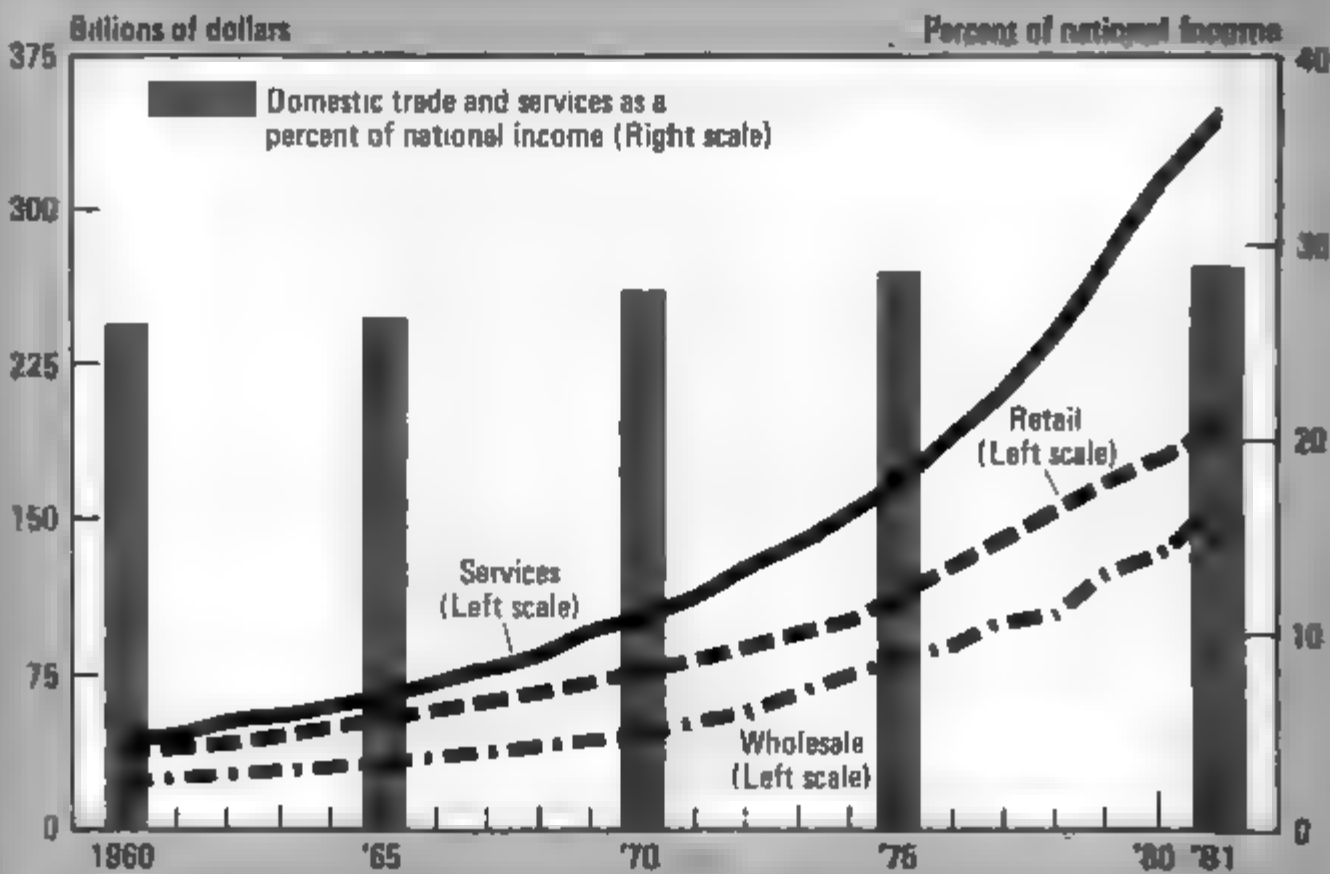
(Compiled from reports of associations and manufacturers. Except as indicated, covers electric appliances only)

PRODUCT	MANUFACTURERS SHIPMENTS (1,000 units)						RETAIL VALUE (mil. dol.)					
	1970	1975	1976	1978	1980	1981	1970	1975	1976	1978	1980	1981
Major appliances	29,052	27,861	36,447	35,866	32,769	32,233	6,166	7,258	12,515	12,847	12,309	13,276
Air treatment ¹	6,485	3,292	4,709	4,890	4,129	4,378	1,254	755	1,459	1,512	1,379	1,820
Air conditioners	5,887	2,670	4,037	3,749	3,187	3,547	1,207	641	1,312	1,327	1,186	1,426
Dehumidifiers	596	392	441	684	718	601	47	37	62	96	111	102
Kitchen appliances ²	15,492	16,564	22,268	21,999	20,126	20,453	3,410	4,337	8,197	8,227	8,102	8,719
Dishwashers	2,116	2,702	3,557	3,458	2,721	2,573	496	697	1,062	1,136	959	962
Disposers, food	1,977	2,080	3,313	3,316	2,885	3,067	129	167	285	295	277	321
Freezers (10 cu. ft. and over)	1,359	2,457	1,522	1,859	1,715	1,589	302	600	499	699	731	724
Microwave ovens	30	640	2,422	2,615	3,585	4,407	15	337	1,142	1,311	1,612	2,108
Ranges, electric	2,362	2,082	3,216	3,003	2,544	2,413	540	513	1,132	1,152	1,048	1,026
Ranges, gas	2,362	1,616	1,797	1,794	1,534	1,501	510	383	619	643	583	619
Ranges, smooth top	(x)	275	249	220	155	134	(x)	144	139	139	93	80
Refrigerators (8.5 cu. ft. and over)	5,266	4,577	5,690	5,701	5,173	4,897	1,448	1,423	3,226	3,187	3,093	3,277
Trash compactors	(x)	238	300	293	234	209	(x)	52	72	74	62	60
Home laundry	7,075	6,058	8,120	7,999	7,187	7,067	1,482	1,965	2,575	2,612	2,500	2,597
Dryers	2,961	2,680	3,392	3,333	2,633	2,892	525	672	864	906	858	921
Washers	4,094	3,978	4,728	4,666	4,554	4,195	957	1,293	1,711	1,706	1,642	1,676
Compact appliances	(x)	1,037	1,350	1,297	1,326	1,315	(x)	201	264	296	326	340
Kitchen electrics ¹	60,849	57,498	72,217	78,825	81,953	81,121	949	1,295	1,841	2,032	2,267	2,364
Blenders	5,100	4,000	5,880	5,025	4,673	4,823	126	92	113	106	103	111
Broilers	2,805	2,006	2,260	2,423	2,516	2,435	71	66	99	119	133	137
Coffee makers	6,100	10,856	10,500	12,104	12,957	12,656	130	242	265	266	336	348
Corn poppers	2,300	2,430	3,600	5,280	5,543	5,777	23	29	66	130	141	156
Food processors	(x)	(x)	2,000	3,000	3,180	3,186	(x)	(x)	120	183	204	186
Frypan-toasters	3,200	2,611	2,600	2,709	2,736	2,553	93	69	94	103	109	112
Griddles/quick grills	500	640	646	661	626	580	13	18	18	21	21	21
Irons	9,275	7,883	10,451	10,340	11,184	10,862	159	187	299	267	317	326
Mixers	4,675	4,477	5,175	5,568	5,626	5,330	90	106	132	156	180	171
Slow cookers	(x)	8,500	8,700	5,641	5,585	5,641	(x)	156	141	107	112	119
Toasters	5,975	6,204	8,100	8,916	9,291	9,249	106	144	220	252	266	290
Waffle irons/sandwich grills	1,025	1,028	1,058	1,119	1,141	1,141	19	20	19	25	27	30
Fans	9,875	9,236	10,515	12,449	13,430	14,453	263	238	266	485	563	639
Portable electric heaters	2,835	2,990	4,467	4,437	3,319	3,193	70	70	123	138	109	114
Floor care ²	8,538	9,120	10,685	10,734	10,255	10,639	548	689	1,136	1,208	1,212	1,310
Floor polishers	1,156	530	520	512	451	441	46	19	23	27	25	26
Vacuum cleaners	7,382	7,650	8,965	8,922	8,400	8,999	502	657	1,091	1,155	1,157	1,250
Personal care ¹	25,108	36,496	48,542	57,172	66,531	69,169	477	707	933	1,018	1,122	1,186
Bed coverings	4,050	4,032	4,900	5,125	5,586	5,161	81	89	127	144	173	175
Hair dryers	6,100	10,496	18,970	18,466	18,865	18,369	146	242	354	313	317	309
Hair setters	6,500	2,033	1,989	2,362	2,735	2,832	121	37	41	52	58	65
Heating pads	3,900	3,500	3,940	4,100	4,369	4,301	23	32	35	37	44	47
Oral hygiene devices	2,650	1,802	1,540	1,850	1,656	1,654	46	23	25	26	31	34
Power mowers	(NA)	5,670	6,315	6,514	6,456	6,026	(NA)	(NA)	1,261	2,260	2,296	2,226
Home and auto electronics												
Televisions	9,368	11,453	18,300	16,074	17,004	17,028	3,090	3,800	5,694	5,300	5,989	6,261
Black and white	4,548	4,968	6,064	6,261	6,149	5,766	611	629	701	682	685	616
Color	4,822	6,485	10,236	9,793	10,855	11,262	2,479	3,271	4,993	4,618	5,264	5,665
Videocassette recorders	(x)	(x)	402	478	804	1,330	(x)	(x)	356	431	700	1,057
Components, hi-fi	(NA)	10,105	13,190	14,562	14,700	14,299	(NA)	1,017	1,497	1,705	1,772	1,641
Compact hi-fi systems	(NA)	3,491	4,474	4,341	3,945	3,578	(NA)	661	963	939	854	693
Portable tape player/re-corder	(NA)	10,240	13,196	13,565	15,064	17,393	(NA)	467	661	693	618	764
Tape decks	(NA)	486	650	675	716	784	(NA)	133	162	184	176	173
Radios	34,049	25,276	32,478	26,550	27,012	27,661	682	615	1,056	919	866	863
Autosound	(NA)	6,484	6,655	9,130	18,362	19,251	(NA)	540	669	1,061	1,487	1,606
CB radios	(NA)	4,500	4,798	1,590	1,412	1,522	(NA)	616	363	130	112	126
Blank tape	(NA)	203,844	266,500	244,753	260,063	273,104	(NA)	349	806	667	852	1,039
Audio	(NA)	(NA)	263,000	234,786	244,747	246,393	(NA)	(NA)	710	511	595	629
Video	(NA)	(NA)	5,500	9,967	15,316	26,711	(NA)	(NA)	85	176	258	410
Calculators	(NA)	18,350	23,341	25,380	26,502	28,280	(NA)	1,153	915	843	841	832
Hand-held	(NA)	18,050	20,111	21,317	22,268	23,805	(NA)	813	495	425	420	409
Desk top	(NA)	2,300	3,230	4,063	4,214	4,355	(NA)	540	420	418	422	422
Digital watches	(NA)	4,200	17,750	19,717	21,163	23,595	(NA)	319	643	649	623	626

 NA Not available. X Not applicable. ¹ Includes products not shown separately. ² Excludes duplication of microwave and smooth top range combinations.

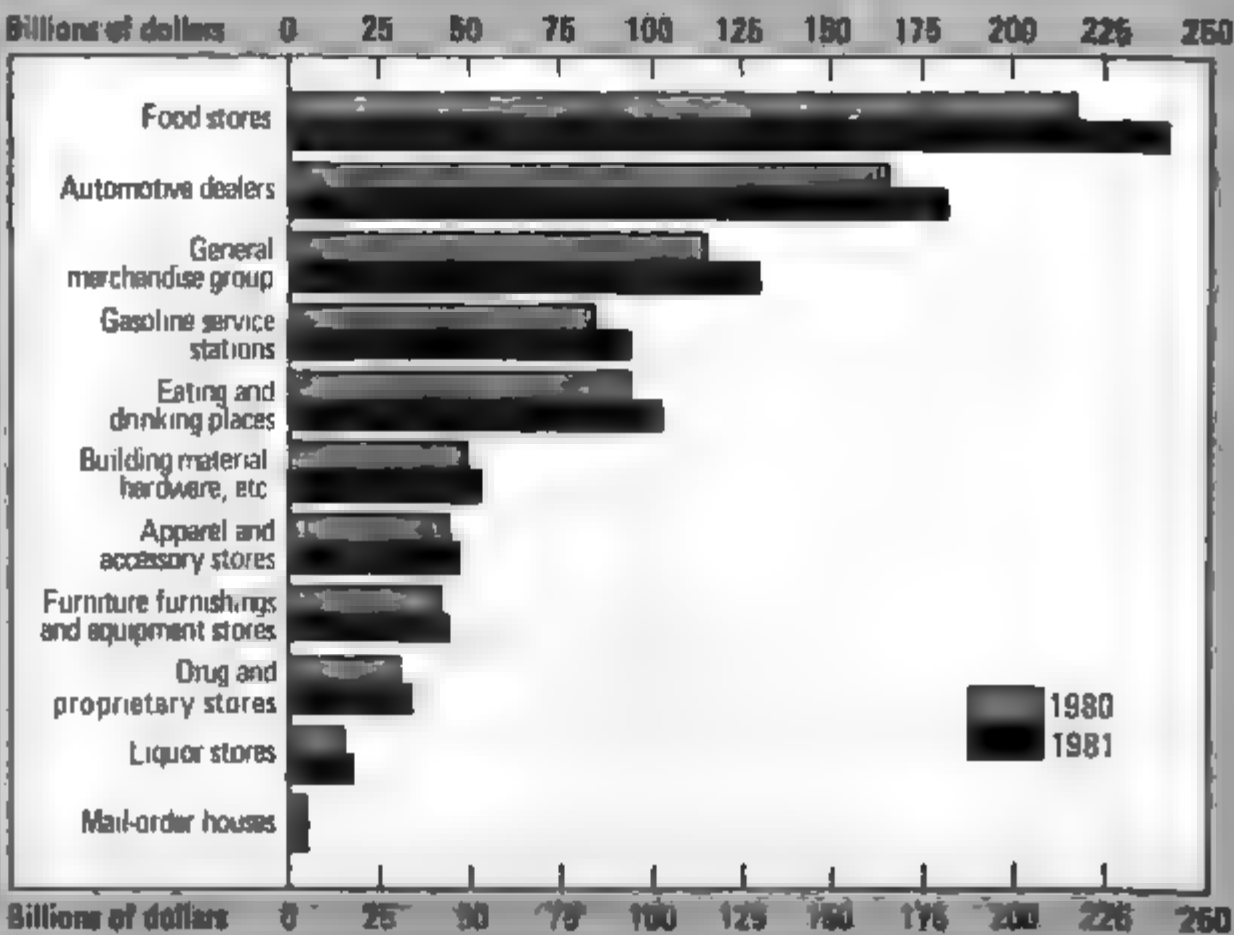
Source: GfK Publications, Inc., New York, N.Y., Merchandising, 58th Annual Statistical and Marketing Report.

Figure 30.1
National Income Originating in Domestic Trade and Services:
1960 to 1981

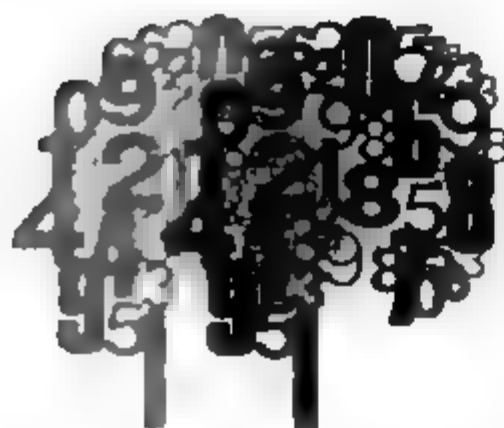


Source Chart prepared by U.S. Bureau of the Census. For data, see table 1435

Figure 30.2
Retail Store Sales, by Kind of Business: 1980 and 1981



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1438.



Section 30

Domestic Trade and Services

The section presents statistics relating to the distributive trades and service industries. Data shown for the trades, classified by kind of business, and for the various categories of services (e.g. personal, business, repair, hotel) cover sales or receipts, establishments, employees, payrolls, and other items. Also included are data for franchised businesses.

The principal sources of these data are census reports and survey reports of the Bureau of the Census. Data on national income originating in trade and services appear in the monthly *Survey of Current Business*, issued by the Bureau of Economic Analysis. Financial data for firms engaged in retail, wholesale, or service activities appear in the annual *Statistics of Income*, published by the Internal Revenue Service.

Censuses.—Censuses of retail trade, wholesale trade, and the service industries have been taken at various intervals since 1929. Beginning with the 1967 Census, legislation provides for a census to be conducted every 5 years (for years ending in "2" and "7").

The establishments covered in the censuses and surveys of business are classified into 3 groups as defined in the *Standard Industrial Classification Manual, 1972* (see text, page 372). *Retail trade* refers to places of business primarily engaged in selling merchandise for personal or household consumption; *wholesale trade*, to establishments primarily engaged in selling goods to dealers and distributors for resale or to purchasers who buy for business and farm uses; and *services*, to establishments primarily engaged in providing a wide range of services for individuals and for business.

Prior to 1977, the censuses excluded health services (except dental laboratories), educational services, social services, membership organizations, and others performing a professional or scientific service (except engineering, architectural, and surveying services). These were covered in the 1977 Census of Service Industries. In addition, in 1977, the distinction between taxable and tax-exempt establishments was made for all service industries. Table 1465 provides data for 1977 for all tax-exempt establishments with payroll in the service industry, by kind of operation, as well as data on taxable establishments in industries covered for the first time in the 1977 Census. (See footnote 5, table 1463, for industries which for the first time in 1977, are divided between taxable and tax-exempt establishments.) For comparability, other tables presented are for only those service industries covered in the 1972 Census of Selected Services. Still excluded in the censuses are religious organizations, public utilities, and Government-operated enterprises except wholesale and retail liquor operations.

Data from the 1958 Census exclude retail and service nonemployer establishments which had receipts of less than \$2,500 and \$1,000, respectively. Beginning with the 1963 Census, nonemployer establishments which did not operate the entire year were included if, during the period they operated, their receipts were at a rate which would have reached the annual totals specified had they operated the entire year. Wholesale trade establishments with no paid employment are excluded. Beginning in 1977, nonemployer direct sellers were excluded in the Census of Retail Trade. Also beginning in 1977, these censuses excluded sales taxes and finance charges in their report of sales (or receipts) figures.

Current surveys.—Current sample surveys conducted by the Bureau of the Census cover various aspects of the retail and wholesale trades and selected service industries. Its *Monthly Retail Trade Report* contains monthly estimates of sales, inventories, and sales of organizations operating 11 or more retail stores (see table 1441), for the United States, by kind of business. In addition, monthly retail sales data for census regions and divisions, 19 large States, 23 large standard metropolitan statistical areas, and 5 large cities are included. Annual figures on sales, year-end inventories, and sales/inventories ratios, by kind of business, appear in the *Annual Retail Trade Report*.

Statistics from the Bureau's monthly wholesale trade survey include national estimates of merchant wholesalers' sales, inventories, and stock-sales ratios by major summary groups—durable and nondurable—and selected kinds of businesses. These data, based on reports submitted by a sample of firms, appear in the *Monthly Wholesale Trade Report*. Annual figures on sales, sales-inventory ratios, and yearend inventories appear in the *Annual Wholesale Trade Report*.

The *Service Annual Survey* provides annual estimates of receipts for selected kind-of-business groups and professions for the United States as a whole.

For the current sample survey programs, retail trade coverage is the same as for the census; wholesale trade coverage is limited to merchant wholesalers; and selected services coverage is less inclusive than the census.

Estimates obtained from annual and monthly surveys are based on sample data and are not expected to agree exactly with results that would be obtained from a complete census of all establishments. Data include estimates for establishments not reporting.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

NO. 1495. NATIONAL INCOME ORIGINATING IN DOMESTIC TRADE AND SERVICE INDUSTRIES: 1960 TO 1981

(In billions of dollars, except percent. Data do not include capital consumption adjustment and represent net value added at factor costs. Data based on 1972 Standard Industrial Classification. See *Historical Statistics, Colonial Times to 1970*, series T 1-14, for single-year data prior to revisions issued in 1981)

INDUSTRY	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
National income, total	420.8	571.1	814.8	1,178.8	1,267.4	1,413.0	1,596.8	1,803.0	2,016.8	2,174.2	2,410.6
Wholesale and retail trade	84.8	84.8	123.5	178.8	186.3	218.3	238.8	257.4	296.6	315.6	353.3
Percent of total national income	15.4	14.9	15.2	14.9	15.4	15.3	15.1	14.8	14.7	14.5	14.7
Wholesale trade	24.7	32.1	46.9	74.7	81.1	87.8	97.8	109.8	126.3	137.4	155.8
Retail trade	40.0	52.8	76.6	100.8	114.2	127.7	140.9	157.6	170.3	178.3	197.5
Services	44.7	64.3	104.1	181.7	188.7	188.7	212.1	240.7	274.0	308.8	348.4
Percent of total national income	10.7	11.3	12.8	13.0	13.5	13.5	13.4	13.4	13.6	14.3	14.5
Hotels and other lodging places	2.0	2.8	4.5	8.2	7.0	8.0	8.9	10.9	12.6	14.2	16.3
Personal services	4.6	6.0	7.8	8.3	8.8	9.4	10.4	11.6	12.5	13.4	14.3
Miscellaneous business services	5.4	8.8	15.0	22.0	24.0	27.8	32.6	36.5	46.5	53.9	61.9
Auto repair, services, and garages	1.7	2.4	3.7	5.5	6.2	7.0	8.1	9.5	10.4	11.0	12.1
Miscellaneous repair services	1.1	1.5	2.2	3.4	3.8	3.9	4.5	5.2	5.8	6.7	7.5
Motion pictures	.9	1.2	1.7	1.8	1.9	2.5	3.0	3.8	4.1	4.3	4.8
Amusement and recreation services	1.7	2.2	3.2	4.6	5.2	5.9	6.8	7.4	8.1	8.5	9.8
Medical and other health services	10.7	15.8	29.4	48.4	54.1	60.8	66.0	75.0	86.1	98.2	114.0
Legal services	2.7	4.2	6.7	10.7	11.5	12.7	14.4	16.1	18.4	21.3	23.4
Educational services	2.2	3.7	7.0	10.3	11.0	11.4	11.7	12.7	14.0	15.4	17.0
Membership organization ¹	4.5	6.4	10.0	14.0	15.6	16.8	18.1	20.4	22.4	25.1	27.4
Miscellaneous professional services	3.4	5.2	8.8	13.9	15.4	17.0	19.5	22.5	26.4	30.3	34.1
Private households	3.8	4.0	4.5	4.6	4.8	5.4	5.9	6.2	6.5	6.6	7.0

¹ Includes social services.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-78*, and *Survey of Current Business*, July 1982.

NO. 1436. PERSONS IN DOMESTIC TRADE AND SERVICE INDUSTRIES: 1960 TO 1981

[In thousands. Data represent worker years of full-time equivalent employment by persons working for wages or salaries and by active partners and proprietors of unincorporated businesses. Based on 1972 Standard Industrial Classification. See *Historical Statistics, Colonial Times to 1970*, series T 15-28, for single year data prior to minor revisions issued in 1981]

INDUSTRY	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981
Wholesale and retail	12,429	13,109	14,764	16,230	16,800	17,518	18,468	19,081	19,056	19,253
Wholesale trade	3,410	3,633	4,105	4,482	4,647	4,785	5,021	5,287	5,345	5,465
Retail trade.....	9,019	9,476	10,659	11,748	12,153	12,733	13,447	13,794	13,711	13,788
Services	9,761	11,213	13,250	15,185	15,744	16,571	17,467	18,351	18,980	19,725
Hotels and other lodging places.....	688	829	993	1,097	1,100	1,161	1,194	1,224	1,252	1,305
Personal services.....	1,215	1,306	1,323	1,135	1,167	1,193	1,225	1,260	1,270	1,274
Misc. business services.....	815	1,155	1,655	2,024	2,144	2,317	2,590	2,857	3,046	3,236
Auto repair, services, garages.....	385	440	494	598	635	674	733	784	786	813
Misc. repair services.....	262	292	312	388	390	412	428	467	461	506
Motion pictures.....	162	159	180	211	217	231	239	250	243	264
Amusement, recreational services.....	308	340	397	508	541	569	604	631	665	675
Medical, other health services.....	1,763	2,101	2,878	4,046	4,219	4,493	4,662	4,878	5,116	5,362
Legal services.....	297	330	385	465	498	541	577	615	643	684
Educational services.....	621	792	998	1,184	1,185	1,204	1,213	1,251	1,285	1,307
Membership organizations ¹	1,217	1,477	1,756	1,856	1,898	1,924	2,035	2,124	2,192	2,217
Misc. professional services.....	431	516	726	887	936	1,008	1,114	1,207	1,284	1,342
Private households.....	1,597	1,476	1,153	786	814	844	853	803	755	740

¹ Includes social services.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*, and *Survey of Current Business*, July 1982.

NO. 1437. RETAIL TRADE—SUMMARY: 1948 TO 1977

[Prior to 1958 and as noted, excludes Alaska and Hawaii. 1972 and 1977 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47 and T 79-91]

ITEM	Unit	1948	1954	1958	1963	1967	1972	1977
Firms, total.....	1,000.....	(NA)	(NA)	(NA)	1,532	1,577	1,665	1,567
Multiunit establishments ¹	1,000.....	163	167	² 183	220	220	291	332
Establishments, total.....	1,000.....	1,770	1,722	1,795	1,708	1,763	1,780	1,855
With payroll.....	1,000.....	1,119	1,124	1,185	1,206	1,192	1,265	1,304
With sales of \$1,000,000 or more.....	1,000.....	(NA)	(NA)	(NA)	(NA)	(NA)	74	118
Consumer Price Index: ³								
All items.....	1972=100..	57.5	64.2	69.1	73.2	79.8	100.0	144.9
All commodities.....	1972=100..	66.5	71.1	74.9	77.4	82.7	100.0	144.5
Sales.....	Bil. dol.....	130.5	170.0	200.4	244.2	310.2	457.4	723.1
By establishments with payroll.....	Bil. dol.....	118.4	157.9	187.8	233.1	295.2	440.2	699.6
By multiunit establishments ¹	Bil. dol.....	38.7	51.2	² 67.2	89.5	123.5	201.8	340.7
Percent of total sales.....	Percent.....	29.6	30.1	33.5	36.6	39.8	44.0	47.1
Percent of multiunit sales by 101-or-more establishment multiunits ¹	Percent.....	41.6	41.8	42.4	43.1	46.7	55.8	55.8
In 1972 dollars ⁴	Bil. dol.....	201.6	245.4	270.7	311.1	370.6	459.0	512.7
Percent of sales by corporations.....	Percent.....	46.9	48.4	53.0	61.9	67.4	76.4	79.8
Per capita sales: ⁵								
Current dollars.....	Dollars.....	893	1,050	1,151	1,296	1,571	2,204	3,342
Constant (1972) dollars ⁴	Dollars.....	1,380	1,516	1,554	1,651	1,877	2,204	2,369
Sales as percent of personal income.....	Percent.....	62.1	58.6	² 55.5	52.5	49.3	48.9	47.6
Sales, inside SMSA's ⁶	Bil. dol.....	80.9	(NA)	² 133.0	169.8	221.4	(NA)	551.8
Percent of total sales.....	Percent.....	62.0	(NA)	68.4	69.5	71.4	(NA)	76.3
Percent of SMSA sales in central cities.....	Percent.....	71.4	(NA)	64.0	57.2	55.0	(NA)	(NA)
Payroll, entire year.....	Bil. dol.....	13.6	18.2	21.7	27.6	36.2	55.4	85.9
Percent of sales.....	Percent.....	10.4	11.5	² 11.5	11.3	11.7	12.1	11.9
Average weekly wage.....	Dollars.....	(NA)	50	52	66	74	95	127
Paid employees, March 12 workweek ⁷	1,000.....	6,918	7,124	7,942	8,410	9,381	11,211	13,040
Active proprietors of unincorporated businesses.....	1,000.....	1,742	1,766	1,825	1,546	1,824	(NA)	(NA)

NA Not available. ¹ Establishments operated by firms which operate at two or more locations. ² Excludes Alaska and Hawaii. ³ Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*. ⁴ Source: U.S. Bureau of Economic Analysis. ⁵ Based on estimated resident population as of July 1. ⁶ For definition of SMSA, see Appendix II. ⁷ 1948-1963 data for week including November 15.

Source: Except as noted, U.S. Bureau of the Census, *U.S. Census of Business: 1948*, vol. I; *1954*, vol. I; *1958*, vol. I; *1963*, vol. I; *1967*, vol. I; and *Census of Retail Trade, 1972*, RC 72-S-1 and *1977*, RC-77-52.

NO. 1439. RETAIL TRADE SALES—SUMMARY: 1967 TO 1982

[Data reflect use of a sample based on definition and classifications according to the 1972 Census of Retail Trade and are adjusted for methodological revision effective in August 1977. Based on Current Business Survey, see Appendix III. Minus sign (—) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series T 197, 245, 246, and 255]

YEAR	CURRENT DOLLARS							CONSTANT (1972) DOLLARS ¹		
	Total sales (bil. dol.)	Annual per-cent change	Per capita ² (dol.)	Index of sales (1972=100)	Durable goods (bil. dol.)	Nondurable goods (bil. dol.)		Total sales (bil. dol.)	Annual per-cent change	Per capita ² (dol.)
						Total	Dept. stores			
1967	293.0	(³)	1,464	85.2	101.7	204.2	31.1	348.7	(³)	1,771
1968	324.4	10.7	1,627	72.2	101.7	222.7	34.6	371.4	6.2	1,863
1969	346.7	6.9	1,722	77.2	108.6	236.1	37.0	362.4	3.0	1,866
1970	368.4	6.3	1,806	82.0	108.2	250.2	38.5	390.4	2.1	1,920
1971	406.2	10.3	1,870	80.4	128.6	277.4	43.1	415.5	6.4	2,009
1972	449.1	10.6	2,157	100.0	148.4	300.6	47.3	447.9	7.8	2,140
1973	508.5	13.4	2,426	113.4	172.9	336.6	52.6	478.3	6.8	2,283
1974	541.0	6.2	2,559	120.5	169.4	371.6	56.4	458.6	-4.5	2,140
1975	589.1	8.7	2,761	131.0	183.0	405.2	59.4	459.5	.6	2,133
1976	657.4	11.6	3,062	146.4	217.6	436.6	65.7	487.9	6.2	2,243
1977	725.2	10.3	3,344	161.5	248.7	476.5	73.6	512.5	5.0	2,332
1978	804.7	11.0	3,662	179.2	279.8	524.9	81.5	534.2	4.2	2,405
1979	864.3	11.1	3,963	199.1	304.6	569.5	88.5	541.6	1.4	2,412
1980	951.9	6.4	4,202	212.0	296.6	655.3	94.7	521.3	-3.7	2,285
1981	1,036.6	9.1	4,530	231.3	326.6	712.2	86.5	527.9	1.3	1,784
1982, Jan.-June ⁴	504.7	*2.2	2,187	(X)	158.9	345.6	45.9	(NA)	(NA)	(NA)

NA Not available. X Not applicable. ¹Based on Bureau of the Census estimates of resident population as of July 1, except 1962, as of March 1. ²Source: Bureau of Economic Analysis. ³1966 data not comparable with 1967. ⁴Data unadjusted for seasonal variation and trading day differences. ⁵Change from Jan.-June, 1981.

Source: Except as noted, U.S. Bureau of the Census, *Current Business Reports*, series BR, *Monthly Retail Trade*. Monthly data in U.S. Bureau of Economic Analysis, *Survey of Current Business and Business Conditions Digest*, both monthly.

NO. 1439. RETAIL TRADE—SALES, BY KIND OF BUSINESS: 1967 TO 1982

[In billions of dollars. Based on 1972 Standard Industrial Classification. Data reflect methodological revision effective Aug. 1977. Based on Current Business Survey, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series T 245-271]

KIND OF BUSINESS	1967	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982, Jan.-June ¹
Retail trade, total	293.0	368.4	641.0	589.1	657.4	725.2	804.7	864.3	951.9	1,036.6	694.7
Durable goods stores, total ²	96.7	109.2	169.4	183.0	217.6	248.7	279.8	304.6	296.6	326.6	158.9
Automotive dealers	53.6	62.6	96.5	106.6	129.6	150.0	167.3	177.3	162.3	180.7	93.2
Motor veh., misc. automotive dealers	49.7	56.9	87.5	96.8	119.9	137.1	153.2	161.1	144.3	160.6	83.3
Motor vehicle dealers	48.0	55.0	80.6	89.0	111.3	128.8	144.0	150.6	135.6	151.7	79.1
Motor vehicle dealers, franchised	45.0	51.9	76.3	84.2	105.2	121.6	135.6	141.4	126.2	143.6	74.5
Auto and home supply stores	4.2	5.6	9.0	9.9	10.9	12.9	14.0	16.1	16.1	20.1	9.9
Building materials, hardware, garden supply, mobile home dealers ³	13.3	17.6	27.0	27.0	33.0	38.9	44.8	50.3	49.6	53.2	24.0
Building materials, supply stores	9.0	11.2	17.8	18.0	22.5	27.1	31.5	36.3	41.6	44.5	15.4
Hardware stores	2.6	3.2	4.5	5.1	5.4	6.1	6.9	7.8	8.2	9.4	4.5
Furniture, home furnishings, equipment ⁴	14.2	17.7	26.0	26.9	30.0	33.2	36.5	41.9	43.4	45.7	20.5
Furniture, home furnishings stores	8.3	10.6	16.3	16.2	18.0	20.3	22.5	25.7	26.5	27.9	12.5
Household appliance, radio, TV	5.9	6.0	7.6	8.3	9.2	10.0	10.5	12.4	13.2	14.3	6.4
Nondurable goods stores, total ⁵	204.2	259.2	371.6	405.2	439.6	476.5	525.0	569.5	655.3	712.2	345.6
Apparel and accessory stores ⁶	18.3	20.2	28.9	31.3	33.7	35.6	40.0	42.4	44.4	47.6	21.9
Men's, boys' clothing, furnishings	3.4	4.4	5.9	6.4	6.5	6.9	7.5	7.9	7.8	7.9	3.3
Women's clothing, specialty stores, furriers	6.4	7.7	11.2	12.4	13.4	13.5	15.5	16.2	16.4	17.8	6.4
Women's ready-to-wear stores	5.3	6.7	10.1	11.3	12.3	12.4	14.3	15.0	15.1	18.4	7.5
Family clothing stores	3.1	3.6	6.2	6.6	7.2	8.1	8.3	8.7	9.6	10.4	4.5
Shoe stores	2.9	3.6	4.4	4.6	5.0	5.7	6.5	7.4	7.6	8.6	4.1
Drug stores and proprietary stores	10.6	13.6	18.4	19.9	21.6	23.2	25.3	26.1	30.5	33.0	16.5
Eating and drinking places	23.5	31.1	44.7	51.1	57.2	63.3	70.7	79.6	85.8	94.0	48.9
Food stores	69.4	88.7	126.0	136.4	148.0	157.9	174.2	195.8	217.0	237.6	121.2
Grocery stores	64.2	81.5	117.2	129.2	138.2	147.8	162.7	182.4	201.0	219.3	111.8
Gasoline service stations	22.6	29.2	43.0	47.5	52.0	58.5	59.7	73.2	93.6	101.7	47.9
General merchandise group stores ⁷	41.0	50.3	73.4	79.0	84.3	93.5	103.6	111.2	117.2	127.5	56.5
Department stores	35.6	43.6	57.7	61.8	68.2	76.5	84.5	90.0	94.7	103.6	46.9
Variety stores	5.3	6.6	7.7	8.0	7.2	7.1	7.5	8.4	8.7	9.0	3.8
Misc. gen. merchandise group stores ⁸	(S)	(S)	(S)	(S)	(S)	(S)	11.7	12.8	13.8	14.9	5.8
Liquor stores	6.6	8.3	11.0	11.8	12.4	13.0	13.8	15.3	17.1	17.5	8.3
Non-store retailers	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	16.9	20.9	23.3	25.3	12.0
Mail-order houses (department store merchandise) ⁹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	4.4	4.4	4.5	4.8	2.3

NA Not available. S Estimate does not meet publication standards. ¹Unadjusted for seasonal variation. ²Includes kinds of business not shown separately. ³Includes catalog showroom stores. ⁴Includes sales made by mail-order catalog desks in department stores or mail-order firms.

U.S. Bureau of the Census, *Current Business Reports*, series BR, *Monthly Retail Trade*.

NO. 1440. RETAIL TRADE—SALES, BY GEOGRAPHIC DIVISION AND FOR SELECTED STATES: 1979 TO 1981

[For composition of divisions, see fig. 1, inside front cover. Data reflect methodological revision effective Aug. 1977. Based on Current Business Survey, see Appendix III]

GEOGRAPHIC DIVISION AND STATE	TOTAL (bil. dol.)			PER CAPITA ¹ (dol.)			GEOGRAPHIC DIVISION AND STATE	TOTAL (bil. dol.)			PER CAPITA ¹ (dol.)		
	1979	1980	1981	1979	1980	1981		1979	1980	1981	1979	1980	1981
Total	894.3	951.9	1,038.8	3,963	4,202	4,530	La	15.5	16.7	18.3	3,745	3,972	4,297
New England	52.3	56.0	62.6	4,237	4,537	5,034	Md	15.8	17.5	19.3	3,741	4,141	4,520
Mid-Atlantic	134.2	144.8	153.7	3,467	3,936	4,169	Mass	22.7	24.7	27.3	3,957	4,313	4,721
E. No. Central	167.8	170.6	181.3	4,033	4,083	4,352	Mich	37.7	38.4	40.7	4,076	4,151	4,418
W. No. Central	87.1	88.4	74.6	3,925	3,962	4,330	Minn	16.6	17.3	19.0	4,111	4,237	4,647
So. Atlantic	137.4	150.2	166.6	3,765	4,085	4,413	Mo	19.8	19.9	21.7	4,050	4,038	4,383
E. So. Central	50.5	52.1	55.1	3,470	3,553	3,741	N.J	31.6	33.6	35.4	4,286	4,567	4,777
W. So. Central	95.2	105.9	120.9	4,082	4,459	4,941	N.Y	58.2	66.1	70.0	3,357	3,763	3,975
Mountain	47.2	51.6	57.8	4,243	4,541	4,946	N.C	19.0	20.3	22.4	3,275	3,444	3,771
Pacific	142.7	152.2	166.1	4,574	4,786	5,117	Ohio	42.6	44.3	46.2	3,945	4,102	4,283
Calif	108.5	115.1	126.4	4,666	4,864	5,224	Pa	43.4	45.1	48.4	3,816	3,900	4,076
Fla	40.3	44.9	50.5	4,255	4,602	4,961	Tenn	16.5	17.2	18.6	3,640	3,753	4,042
Ill	45.8	46.1	49.3	4,008	4,038	4,302	Texas	62.1	69.8	79.9	4,472	4,691	5,414
Ind	23.4	22.8	25.1	4,266	4,146	4,585	Va	21.3	23.6	25.3	4,002	4,409	4,836
							Wis	18.3	19.0	20.0	3,922	4,029	4,221

¹Based on estimated resident population as of July 1 for 1979 and 1981, and enumerated resident population as of April 1 for 1980.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual and Monthly Retail Trade*.

NO. 1441. RETAIL TRADE—SALES OF MULTIUNIT ORGANIZATIONS: 1970 TO 1981

[In billions of dollars. Data based on sales of organizations operating 11 or more retail stores (beginning with data for 1976, those meeting certain sales criteria). Data for 1970-1977 are not comparable with later years due to sample revision. For details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 197-219]

KIND OF BUSINESS	1970	1974	1975	1976	1977	1978	1979	1980	1981
Total sales	117.2	168.4	183.1	196.6	244.2	263.9	306.4	336.0	372.4
Percent of total sales	31.8	31.3	31.1	30.4	33.7	35.3	34.6	35.5	35.8
Durable goods stores	8.8	9.8	10.3	11.6	16.2	22.2	34.3	25.0	27.2
Tire, battery, accessory dealers	1.5	2.2	2.3	2.3	2.6	3.2	3.4	3.6	3.8
Nondurable goods stores ¹	108.6	168.5	172.8	185.0	228.0	261.8	285.1	313.0	345.2
Apparel and accessory stores ¹	5.5	6.4	6.6	7.0	11.8	14.9	16.0	17.1	18.8
Women's apparel, accessories	1.9	2.4	2.6	2.6	4.7	6.4	6.9	7.3	8.0
Shoe stores	1.5	1.7	1.8	1.7	2.8	3.1	3.4	3.7	4.1
Drug and proprietary stores	4.4	6.5	7.1	8.2	10.4	12.3	14.1	16.1	17.9
Food stores	44.1	63.4	69.3	74.4	85.1	94.2	104.1	115.1	127.5
Grocery stores	43.2	62.6	68.4	73.5	84.0	93.2	102.9	113.6	125.6
General merchandise group ¹	46.1	70.6	75.6	83.0	79.6	94.0	100.1	106.0	116.1
Department stores	31.6	49.8	54.2	60.7	68.8	80.4	85.8	90.9	99.8
Variety stores	5.4	7.0	7.4	6.8	5.9	5.8	6.3	6.6	7.0
Misc. gen. merchandise group stores	(NA)	(NA)	(NA)	(NA)	(NA)	7.8	8.0	8.4	9.4

NA Not available. ¹Includes kinds of business not shown separately through 1977.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual and Monthly Retail Trade*.

NO. 1442. DEPARTMENT STORES—SALES, INVENTORIES, AND ACCOUNTS RECEIVABLE: 1975 TO 1981

[Sales and inventories figures reflect revisions based on data derived from the 1977 Annual Retail Trade Report. Covers stores normally employing 25 or more persons and carrying a general line of apparel, home furnishings, and housewares, with no one of the 3 categories accounting for as much as 60 percent of total sales]

ITEM	Unit	1975	1976	1977	1978	1979	1980	1981
Sales, total	Bil. dol.	61.8	68.2	76.5	84.5	90.0	94.7	103.6
Percent department of all retail	Percent	10.5	10.4	10.5	10.5	10.1	9.9	10.0
Inventories (Dec. 31):								
Warehouse and stores	Bil. dol.	9.1	10.1	11.9	13.1	14.0	14.8	16.9
Stores only	Bil. dol.	(NA)	(NA)	9.5	10.0	10.6	11.0	(NA)
Sales-inventory ratio, stores only ¹	Ratio	(NA)	(NA)	7.8	8.1	8.2	8.6	(NA)
Accounts receivable (Dec. 31)	Bil. dol.	11.8	13.0	16.0	17.9	19.4	19.3	(NA)
Charge accounts ²	Bil. dol.	1.2	1.3	1.0	1.1	1.1	1.0	(NA)
Installment accounts ³	Bil. dol.	10.6	11.7	15.0	16.8	18.4	18.6	(NA)

NA Not available. ¹Ratio of annual sales to year-end inventories. ²Full payment is scheduled to be made at end of customary billing period. ³Receivables scheduled to be paid in 2 or more payments.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual and Monthly Retail Trade*.

NO. 1443. RETAIL TRADE—MERCHANDISE INVENTORIES AND SALES-INVENTORY RATIOS: 1978 TO 1980

[As of Dec. 31. Based on Current Business Survey, see Appendix III]

KIND OF BUSINESS	INVENTORIES AT COST ¹ (bil. dol.)				SALES-INVENTORY RATIOS ²			
	Total ³			Retail stores only, 1980	Total ³			Retail stores only, 1980
	1978	1979	1980		1978	1979	1980	
Total	99.2	106.6	111.1	98.1	8.1	8.4	8.6	8.7
Total (excluding automotive group)	73.9	79.8	86.4	73.9	8.8	9.0	9.1	10.7
Durable goods stores ⁴	49.4	52.7	63.0	50.7	5.7	5.8	5.8	6.8
Automotive dealers	25.3	28.8	24.7	24.2	6.6	6.6	6.6	6.7
Motor vehicle and misc. automotive dealers	22.5	23.5	21.2	20.9	6.8	6.9	6.8	6.9
Motor vehicle dealers	20.2	21.2	19.2	19.0	7.1	7.1	7.1	7.1
Motor vehicle dealers (franchise)	19.1	20.0	18.3	18.1	7.1	7.1	7.0	7.1
Automotive and home supply stores	2.8	3.3	3.5	3.3	5.0	4.9	5.1	5.4
Bldg. materials, hardware, garden sup., mobile home dealers	8.0	8.8	9.2	8.7	6.6	6.8	5.4	5.7
Building materials, supply, hardware stores	6.6	7.1	7.5	7.1	5.8	6.0	5.5	5.9
Building materials and supply stores	4.8	5.3	5.5	5.1	6.4	6.7	6.1	6.5
Hardware stores	1.7	1.9	2.0	2.0	4.0	4.2	4.1	4.2
Furniture, home furnishings, equipment stores ⁵	7.6	8.1	8.3	7.5	4.8	5.1	5.2	5.8
Furniture, home furnishings	4.4	4.8	4.9	4.5	5.1	5.4	5.4	5.9
Furniture stores	3.3	3.7	3.6	3.3	4.7	4.8	4.8	5.3
Household appliance, radio, TV	2.2	2.4	2.5	2.1	4.7	5.1	5.2	6.2
Household appliance stores	1.0	1.1	1.1	1.0	5.2	5.6	5.7	6.6
Jewelry stores	2.5	2.8	3.5	3.3	2.5	2.5	2.4	2.4
Nondurable goods stores ⁴	49.8	53.8	58.1	47.4	10.5	10.9	11.3	12.8
Apparel and accessory stores ⁴	8.4	8.5	9.0	8.5	4.8	5.0	4.9	5.2
Men's, boys' clothing, furnishings	1.9	1.8	1.8	1.7	3.9	4.2	4.2	4.6
Women's ready-to-wear stores	2.2	2.2	2.3	2.2	6.5	6.9	6.6	7.0
Family clothing stores	1.8	1.8	2.0	1.8	4.6	4.8	4.7	5.0
Shoe stores	1.8	1.9	2.0	1.8	3.7	4.0	3.9	4.3
Drug and proprietary stores	4.3	4.9	5.2	4.4	5.9	5.8	5.9	6.9
Eating and drinking places	1.9	1.8	1.8	1.7	37.5	44.7	44.9	50.5
Food stores	10.3	11.5	12.7	9.8	16.8	17.0	17.1	17.1
Grocery stores	10.0	11.1	12.1	9.3	16.4	16.5	16.6	21.6
Gasoline service stations	1.9	2.3	2.9	2.5	31.7	31.5	32.2	36.8
General merchandise group stores	17.7	18.9	19.6	15.3	5.7	5.8	5.9	7.6
Dept. stores misc. general merchandise stores	15.8	16.9	17.7	13.5	5.9	6.0	6.1	8.0
Department stores	13.1	14.0	14.6	11.0	6.2	6.3	6.4	8.6
Variety stores	1.9	2.0	2.1	1.8	4.0	4.1	4.1	4.6
Liquor stores	1.5	1.7	1.9	1.6	9.2	9.1	9.2	10.5

¹Excludes supplies and equipment used in store and warehouse operations that are not for resale.

²Includes warehouses. ³Relates annual sales to yearend inventories. ⁴Includes kinds of business not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual Retail Trade Report*.

NO. 1444. LARGEST RETAILING COMPANIES—SALES, ASSETS, NET INCOME, AND EMPLOYEES, BY GROUP RANK: 1978 TO 1981

[Sales, assets, and net income in billions of dollars; employees in thousands; except percent. Excludes large privately owned companies that do not publish sales. Includes all operating revenues for fiscal years ending not later than January following year stated]

RANK BY SALES GROUP	SALES ¹			ASSETS ²			NET INCOME ³			EMPLOYEES ⁴		
	1978	1980	1981	1978	1980	1981	1978	1980	1981	1978	1980	1981
50 largest	175.4	200.8	220.9	76.8	96.3	106.9	3.9	8.9	4.4	3,016	3,240	3,132
Lowest ten	10.2	11.5	11.5	3.3	4.3	4.3	2	3	.4	138	143	158
Second ten	14.8	15.7	17.3	5.7	7.3	8.0	2	5	5	288	324	255
Third ten	20.9	23.8	26.6	11.2	12.9	15.1	7	7	9	501	569	639
Fourth ten	34.1	40.6	48.3	12.3	16.4	18.5	8	5	8	477	591	540
Highest ten	95.5	109.3	119.2	44.3	58.0	64.9	2.1	1.9	2.0	1,617	1,614	1,540
Percent of total:												
Lowest ten	5.8	5.7	5.2	4.3	4.5	4.0	4.4	6.8	9.9	4.5	4.4	5.1
Second ten	8.5	7.8	7.8	7.4	7.6	5.8	4.1	13.8	11.4	9.5	10.0	8.1
Third ten	11.9	11.8	12.0	14.6	12.7	14.2	18.8	18.5	20.4	16.6	17.6	22.4
Fourth ten	19.4	20.2	20.9	16.0	17.0	15.5	19.7	12.3	14.2	15.8	18.2	17.2
Highest ten	54.4	54.4	53.9	57.7	58.2	60.7	55.0	48.7	44.0	53.6	49.6	48.2

² Less than \$50 million. ³ Includes sales of subsidiaries when they are consolidated. ⁴ Total assets employed in business at end of fiscal year, less depreciation and depletion. ⁵ After taxes, special charges, and credits. ⁶ As of yearend, or yearly average.

Source: Time, Inc., New York, N.Y., adapted from *The Fortune Directory*, July issue. (Copyright.)

No. 1446. RETAIL GASOLINE SERVICE STATIONS—NUMBER AND SALES: 1975 TO 1981

[Based on sample surveys. For details, see source]

ITEM	Unit	1975	1976	1977	1978	1979	1980	1981	PERCENT DISTRIBUTION		
									1975	1980	1981
Number of stations (as of July) ¹	1,000	190.3	182.2	178.6	177.8	163.2	159.0	153.5	100.0	100.0	100.0
Branded independent ²	1,000	163.5	154.0	149.3	148.6	137.0	130.9	128.4	85.9	82.3	83.8
Nonbranded independent ³	1,000	10.7	10.9	12.9	15.6	11.9	14.5	12.5	5.6	9.1	8.1
Refiner/marketer ⁴	1,000	16.1	17.3	16.4	15.6	14.3	13.6	12.6	8.5	8.5	8.2
Total sales ⁵	Bl. dol.	47.5	51.9	56.5	59.7	73.2	93.6	126.2	(x)	(x)	(x)
Gasoline sales	Bl. gal.	76.2	75.0	82.9	82.2	73.4	69.5	52.2	100.0	100.0	100.0
Branded independent ¹	Bl. gal.	57.2	56.2	58.9	57.7	51.1	47.6	36.3	75.0	68.5	69.5
Nonbranded independent ²	Bl. gal.	7.8	8.5	8.8	9.7	8.4	8.4	6.0	10.2	12.1	11.5
Refiner/marketer ³	Bl. gal.	11.3	13.2	14.3	14.8	13.9	13.5	9.9	14.8	19.5	19.0

X Not applicable. ¹ Estimates pertain to those retail outlets that derive at least 50% of their gross revenues from the sale of gasoline. ² Marketer engaged in marketing or distribution pursuant to (a) an agreement or contract with a refiner to use a trademark, trade name, or other identifying symbol or name owned by the refiner or (b) an agreement or contract under which the marketer is granted the authority to occupy premises owned, leased, or in any way controlled by the refiner. ³ Marketer engaged in marketing or distribution but which is not (a) a refiner; (b) controlled by, or controls, or is under common control with, or is affiliated with a refiner; (c) a branded independent marketer. ⁴ An outlet selling to ultimate consumers which is operated by salaried or commissioned personnel of a refiner and/or involves personnel services contracted by the refiner. ⁵ Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Monthly Retail Trade*. ⁶ January–September; dollar sales unadjusted for seasonal variation.

Source: Except as noted, U.S. Energy Information Administration, *Petroleum Market Shares, Report on Retail Sales of Gasoline*, monthly.

No. 1446. COMMERCIAL AND INSTITUTIONAL FEEDING GROUPS—ESTIMATED FOOD AND DRINK SALES AND PURCHASES: 1970 TO 1980

[Excludes military feeding groups. Data refer to sales and purchases of food and alcoholic beverages]

TYPE OF GROUP	Number, 1980	SALES (mil. dol.)					PURCHASES (mil. dol.)				
		1970	1975	1976	1979	1980	1970	1975	1979	1978	1980
Total ¹	589,706	42,147	89,898	86,179	104,918	114,041	16,410	29,967	40,788	44,707	48,181
Commercial feeding ²	388,058	34,777	58,317	60,861	89,002	96,565	10,675	20,433	26,468	31,123	33,311
Eating places ³	242,033	21,614	39,251	56,536	82,319	87,702	7,509	15,123	21,341	23,240	24,903
Restaurants, lunchrooms	121,461	13,348	22,676	30,610	33,388	36,038	4,918	9,106	11,924	12,745	13,531
Limited menu restaurants ⁴	101,587	6,180	13,597	22,219	24,836	27,435	1,873	4,891	8,066	9,043	9,842
Bars and taverns	138,879	5,006	5,968	6,696	7,170	7,780	257	335	410	450	492
Food contractors ⁵	7,836	2,442	4,169	5,549	6,111	6,818	963	1,763	2,373	2,683	2,807
Manufacturing and industrial plants	(NA)	915	1,351	1,795	2,017	2,121	375	630	836	940	989
Colleges and universities	(NA)	498	712	886	1,004	1,140	176	252	317	356	397
Lodging places ⁶	29,842	2,585	4,083	5,652	6,153	6,599	1,171	1,419	1,900	2,183	2,274
Hotel restaurants	13,768	1,554	2,538	3,738	4,109	4,440	508	867	1,302	1,437	1,521
Motel restaurants	13,951	843	1,007	1,228	1,301	1,368	237	366	446	467	481
Retail hosts ⁷	59,364	1,652	2,259	2,767	3,075	3,303	584	865	1,066	1,175	1,233
Grocery store restaurants	23,001	189	343	537	633	705	88	127	189	234	254
Dept. store restaurants	5,202	424	713	917	987	1,040	157	285	367	385	406
Drug store restaurants	8,619	341	341	338	345	358	119	129	128	131	136
Variety store restaurants	5,111	369	405	383	419	453	136	158	188	164	172
Gasoline service stations	8,232	109	202	312	369	383	38	75	115	133	138
Recreation and sports ⁸	8,615	482	787	1,127	1,262	1,370	160	302	426	461	496
Bowling lanes	3,833	160	295	411	459	501	73	124	168	174	188
Recreation and sports centers	(NA)	211	393	570	832	702	67	188	211	234	255
Institutional feeding ⁹	171,730	7,370	11,378	14,318	15,917	17,475	4,722	7,704	9,611	10,589	11,540
Employee feeding	8,799	688	1,072	1,373	1,535	1,635	357	564	696	777	829
Industrial and commercial organizations	4,000	561	892	1,167	1,302	1,377	260	441	571	637	673
Educational feeding	96,021	2,102	3,114	3,791	4,176	4,610	1,905	3,083	3,811	4,222	4,277
Elementary and secondary schools	95,471	1,163	1,687	1,939	2,136	2,312	1,298	2,000	2,676	2,907	3,117
Transportation	133	239	347	461	577	624	110	182	249	299	326
Airlines	83	178	280	367	441	475	60	132	183	220	237
Hospitals	6,966	2,991	4,346	5,437	6,055	6,666	1,334	1,903	2,499	2,740	3,017
Miscellaneous ¹⁰	28,569	646	972	1,211	1,281	1,521	375	720	927	1,011	1,089
Clubs	10,310	526	696	860	942	1,056	218	335	414	453	498
Community centers	16,010	75	196	288	319	351	58	232	311	378	414

NA Not available. ¹ Total purchases include food furnished to food service employees. ² Includes other types of feeding groups, not shown separately. ³ Data for establishments with payroll. ⁴ Fast-food restaurants. ⁵ For establishments serving food.

Source: National Restaurant Association, Washington, D.C., *NRA News*, bimonthly. (Copyright.)

NO. 1447. RETAIL TRADE—SUMMARY, BY STATE AND SELECTED KIND OF BUSINESS: 1977

STATE AND DIVISION	ALL ESTABLISHMENTS ¹		ESTABLISHMENTS WITH PAYROLL				FOOD STORES		AUTOMOTIVE DEALERS		GENERAL MERCHANDISE GROUP STORES	
	Number (1,000)	Sales (bil. dol.)	Number (1,000)	Sales (bil. dol.)	Payroll entire year (mil. dol.)	Paid employees (1,000) ²	Estab-lishments	Sales (mil. dol.)	Estab-lishments	Sales (mil. dol.)	Estab-lishments	Sales (mil. dol.)
U.S.	1,855.1	723.1	1,308.6	699.6	65,854	12,040	251,871	167,840	139,006	149,862	48,911	93,946
NE	107.2	40.4	78.8	38.0	4,797	784	13,678	9,354	6,838	6,838	3,116	4,846
Maine	11.2	3.8	7.6	3.5	383	61	1,822	872	953	724	522	380
N.H.	5.9	3.4	8.2	3.3	368	58	1,182	626	661	646	321	353
Vt.	5.7	1.7	4.0	1.6	180	30	815	389	414	308	222	144
Mass.	46.7	18.5	34.3	17.9	2,274	372	5,745	4,210	2,834	2,687	1,296	2,361
R.I.	5.1	2.6	5.5	2.7	334	54	1,107	639	538	472	184	337
Conn.	26.5	10.4	18.8	10.1	1,256	180	3,207	2,418	1,538	1,706	571	1,257
NEA	300.5	112.2	212.0	108.4	13,894	2,023	46,414	26,763	17,046	16,129	6,380	14,751
N.Y.	142.2	50.7	102.1	49.0	5,550	931	22,873	12,611	6,808	7,512	2,875	6,645
N.J.	59.5	24.3	43.2	23.5	2,820	415	9,026	5,838	3,151	4,225	1,046	3,009
Pa.	98.7	37.2	69.7	35.9	4,335	677	14,515	8,304	7,067	7,386	2,357	5,097
ENC	320.8	139.9	229.8	136.2	16,725	2,539	37,328	28,798	22,801	30,436	7,816	19,383
Ohio	82.4	35.6	59.6	34.7	4,271	651	10,834	7,638	5,819	7,713	1,917	5,451
Ind.	43.6	16.3	31.5	17.8	2,067	332	4,254	3,665	3,784	4,108	1,183	2,389
Ill.	85.0	39.2	60.3	38.2	4,879	732	6,897	7,571	5,379	6,088	2,318	5,128
Mich.	67.1	31.9	45.4	31.1	3,720	524	9,033	6,806	4,970	7,433	1,372	4,381
Wis.	42.8	14.9	29.8	14.4	1,788	300	4,310	3,084	2,549	3,033	1,125	1,928
WJC	168.6	66.8	113.4	54.7	6,561	1,089	16,121	10,890	12,808	12,437	4,725	7,331
Minn.	33.6	13.8	24.1	13.2	1,620	271	3,709	2,456	2,339	2,691	812	1,853
Iowa	26.7	9.8	21.1	9.5	1,107	189	2,529	1,889	2,159	2,231	921	1,164
Mo.	43.2	15.9	30.3	15.3	1,893	294	4,910	3,295	4,130	3,545	1,543	2,227
N. Dak.	6.7	2.2	9.0	2.2	256	42	693	370	462	559	178	217
S. Dak.	7.6	2.2	5.4	2.1	237	42	776	406	531	478	201	183
Nebr.	15.2	9.1	11.1	5.0	581	103	1,422	972	1,259	1,094	447	686
Kans.	23.4	7.7	16.5	7.4	666	147	2,062	1,522	2,027	1,839	623	991
SEA	294.8	113.3	205.8	108.8	13,267	2,074	47,162	25,437	23,961	23,858	9,364	14,787
Del.	4.9	2.1	3.8	2.1	256	39	656	474	343	362	139	326
Md.	25.3	14.4	21.3	14.1	1,803	262	4,056	3,198	1,838	2,625	648	2,037
D.C.	4.2	2.1	3.6	2.1	342	47	538	355	103	202	66	204
Va.	37.2	16.5	27.5	16.1	1,961	297	5,183	3,712	3,080	3,540	1,463	2,215
W. Va.	14.9	5.7	10.2	5.5	602	80	2,662	1,374	1,189	1,265	708	776
N.C.	50.6	16.8	34.2	16.1	1,854	294	9,206	3,831	4,891	3,789	1,899	1,962
S.C.	26.9	8.4	17.4	7.9	895	146	5,006	2,022	2,545	1,766	1,020	988
Ga.	44.6	15.9	31.0	15.3	1,641	285	7,495	3,455	3,695	3,481	1,507	2,132
Fla.	82.3	31.4	57.1	30.5	3,714	615	11,379	7,016	6,089	6,645	1,922	4,114
ESC	121.7	41.1	82.2	39.0	4,360	699	22,999	9,489	11,883	9,748	4,861	5,091
Ky.	30.1	10.5	20.2	10.0	1,109	178	5,603	2,490	2,736	2,292	1,080	1,192
Tenn.	38.5	13.7	26.1	13.1	1,480	236	6,849	3,007	3,702	3,323	1,325	1,764
Ala.	31.6	10.7	21.6	10.2	1,147	181	5,887	2,440	3,196	2,611	1,316	1,308
Miss.	21.5	6.2	14.3	5.8	624	103	4,660	1,552	2,049	1,522	930	737
W.S.C.	302.5	73.8	198.8	71.1	8,250	1,296	29,910	16,366	18,915	17,788	5,967	9,397
Ark.	21.6	6.4	14.2	6.0	643	105	3,595	1,453	2,255	1,539	748	751
La.	32.0	12.4	22.2	12.0	1,412	219	5,801	3,079	2,429	2,707	1,045	1,889
Okla.	26.1	9.2	19.0	8.8	985	164	3,503	2,096	2,843	2,284	762	1,083
Tex.	120.6	45.8	83.4	44.3	5,210	809	17,011	9,737	11,366	11,259	2,992	5,894
MT	96.0	36.7	67.7	36.7	4,380	679	8,486	7,729	7,386	7,899	2,436	4,291
Mont.	8.9	2.8	6.3	2.7	315	50	890	599	655	604	217	245
Idaho	8.8	3.0	6.2	2.9	331	53	868	659	632	700	256	280
Wyo.	4.7	1.7	3.4	1.6	180	28	331	314	357	344	151	135
Colo.	25.7	9.8	16.1	9.5	1,226	190	2,177	2,006	1,899	2,081	495	1,204
N. Mex.	11.6	4.0	7.9	3.9	457	74	1,254	838	690	934	399	451
Ariz.	20.0	8.2	14.1	6.9	973	154	2,257	1,893	1,487	1,707	520	1,053
Utah	9.9	4.1	7.2	4.0	467	81	1,011	621	600	952	267	551
Nev.	6.4	3.1	4.5	3.0	371	48	576	583	476	637	131	362
Pac	253.7	109.0	177.0	106.0	13,770	1,890	28,893	23,062	17,880	21,770	4,757	14,273
Wash.	31.9	13.5	23.1	13.2	1,108	231	3,566	2,895	2,640	2,757	586	1,604
Oreg.	22.6	9.3	16.1	9.1	1,108	158	2,729	1,822	1,747	2,083	481	1,256
Calif.	187.9	81.1	130.1	78.7	10,256	1,393	21,115	17,267	12,757	16,232	3,251	10,554
Alaska	3.6	1.6	2.4	1.8	261	26	387	427	255	241	180	227
Hawaii	7.4	3.3	5.3	3.2	480	72	876	583	291	457	259	632

¹ Includes kinds of stores, not shown separately.² Week including March 12.Source: U.S. Bureau of the Census, *Census of Retail Trade: 1977*, Geographic Area Series, PC 77-A-1 to 52.

NO. 1440. RETAIL TRADE—ESTABLISHMENTS WITH PAYROLL, 1972, AND ESTABLISHMENTS, SALES, AND EMPLOYEES, 1977, BY KIND OF BUSINESS

(See also *Historical Statistics, Colonial Times to 1970*, series T 75-166)

KIND OF BUSINESS	1972		1977					
	Establishments with payroll		All establishments		Establishments with payroll			
	Number (1,000)	Sales (mil. dol.)	Number (1,000)	Sales (mil. dol.)	Number (1,000)	Sales ¹ (mil. dol.)	Payroll, entire year (mil. dol.)	Paid employees (1,000)
Retail trade, total²	1,264.9	440,222	1,855.1	723,134	1,303.8	699,835	85,854	13,040
Building materials, hardware, garden supply, and mobile home dealers	52.8	22,958	90.4	36,860	66.8	37,793	4,367	470
Building materials, supply stores	31.9	16,027	40.6	27,127	34.0	26,804	2,993	294
Hardware stores	16.5	3,634	26.5	6,087	19.4	5,695	806	112
Retail nurseries, lawn and garden supply stores	3.8	895	15.5	1,789	8.9	1,584	265	36
Mobile home dealers	7.8	3,801	7.8	3,857	5.5	3,709	303	27
General merchandise group stores	44.4	64,888	48.9	93,948	38.4	93,485	12,719	2,017
Department stores ³	7.7	51,084	8.8	76,909	8.8	76,909	10,743	1,844
Variety stores	18.4	7,220	17.4	7,095	14.2	6,948	1,002	214
Misc. general merchandise stores	18.3	6,365	22.7	9,944	15.4	9,598	973	159
Food stores⁴	172.1	96,375	252.0	157,840	171.6	152,746	14,730	1,966
Grocery stores	128.1	90,048	178.6	147,759	120.6	143,939	13,342	1,692
Meat and fish (seafood) markets ⁵	10.7	2,506	16.9	3,760	11.1	3,416	382	58
Fruit stores, vegetable markets	3.1	518	7.9	1,088	3.1	862	80	14
Candy, nut, confectionary stores	6.8	494	9.0	843	4.7	485	77	18
Retail bakeries	15.1	1,547	19.9	2,300	15.9	2,141	624	130
Automotive dealers⁶	85.1	86,491	136.0	146,852	94.8	147,302	13,364	1,116
Motor vehicle dealers:								
New and used cars	31.8	73,254	30.8	121,883	30.8	121,883	10,279	780
Used cars only	12.8	3,563	37.0	6,945	13.3	5,186	374	42
Auto and home supply stores	29.1	7,271	47.0	12,881	36.8	12,390	1,926	205
Gasoline service stations	162.4	21,440	176.5	66,488	146.5	53,748	3,830	673
Apparel and accessory stores⁷	106.7	24,115	140.1	35,644	114.8	34,719	5,067	840
Men's and boys' clothing, furnishings	21.0	5,497	22.7	6,943	20.6	6,839	1,088	145
Women's clothing and specialty stores and furriers	40.6	9,173	53.6	13,458	44.4	13,164	1,886	340
Furriers and furshops	1.0	179	1.9	322	.9	285	48	5
Family clothing stores	13.6	4,815	21.6	6,055	16.0	7,884	1,048	136
Shoe stores	23.4	3,972	27.9	5,650	24.5	5,517	822	121
Furniture, home furnishings, and equipment stores	52.5	21,505	136.6	33,178	91.7	31,986	4,689	513
Furniture, home furnishings stores	47.7	13,512	82.6	20,318	59.4	18,344	2,974	324
Household appliance stores	14.6	3,827	17.6	4,734	12.2	4,520	577	85
Radio, television, and music stores	20.2	4,365	36.4	8,126	26.1	7,705	1,018	123
Eating and drinking places	287.3	35,048	368.1	63,276	308.6	61,307	16,415	3,788
Eating places	208.9	29,313	274.3	55,581	237.7	54,406	14,018	3,425
Drinking places (alcoholic beverages)	78.4	5,735	93.7	7,695	70.9	6,901	1,396	334
Drug and proprietary stores	47.8	15,420	49.8	23,198	47.2	23,087	3,127	480
Drug stores	45.0	14,901	(NA)	(NA)	44.4	22,313	3,050	444
Proprietary stores	2.8	519	(NA)	(NA)	2.8	745	77	15
Miscellaneous retail stores^{8,9}	193.8	40,302	452.0	70,763	234.2	64,038	8,737	1,236
Liquor stores	33.7	9,342	44.4	12,967	35.1	12,191	913	145
Used merchandise stores	11.9	1,180	49.8	2,850	14.5	2,141	395	81
Misc. shopping goods stores	71.2	10,992	164.6	20,882	88.1	19,004	2,728	440
Sporting goods, bicycle shops	12.4	2,264	31.5	4,655	17.1	4,172	533	77
Book stores	5.0	854	12.7	1,840	7.6	1,722	233	43
Stationery stores	5.1	713	6.4	1,119	4.8	1,057	175	27
Jewelry stores	16.0	2,904	34.1	5,429	19.7	5,010	835	105
Hobby, toy, game shops	4.3	811	16.5	1,768	6.6	1,554	180	34
Camera, photographic supply	3.3	736	5.7	1,171	3.6	1,111	134	17
Gift, novelty, souvenir	12.6	1,037	34.0	2,572	17.1	2,232	331	68
Luggage, leather goods	1.2	187	2.6	370	1.6	347	55	8
Sewing, needlework, piece goods	11.4	1,488	19.1	1,959	10.1	1,798	251	60
Nonstore retail¹⁰	19.7	9,705	32.8	14,440	20.6	14,076	2,374	268
Mail order houses	5.4	4,528	11.0	7,586	8.7	7,437	1,110	126
Automatic merchandising ¹¹	5.4	2,829	13.5	3,945	5.7	3,700	655	73
Direct selling establishments ¹²	8.9	2,349	8.4	2,940	6.4	2,940	609	86
Fuel and ice dealers	15.3	4,801	20.2	10,171	14.7	9,762	1,027	101
Florists	16.5	1,450	29.4	2,400	20.1	2,177	485	56
Cigar stores and stands	2.6	358	3.8	480	2.3	392	42	6
News dealers and newsstands	2.7	347	7.8	533	2.1	360	42	10

NA: Not available. ¹Excludes sales tax and carrying or other charges for credit in 1977; includes them in 1972. ²Pay period including Mar. 12. ³Excludes nonemployer direct sellers. ⁴Includes sales from catalog order desks. ⁵Includes kind of business not shown separately. ⁶Including freezer provisions. ⁷Vending machines; excludes music and game machines.

Source: U.S. Bureau of the Census, *Census of Retail Trade, 1972*, vol. 1, and 1977, U.S. Summary, Geographic Area Series, RC 77-A-52.

No. 1449. RETAIL TRADE—SALES BY BROAD MERCHANDISE LINES: 1972 AND 1977

[For establishments with payroll. For details on restructuring of merchandise lines between 1972 and 1977, see source]

MERCHANDISE LINES	1972			1977			
	Estab- lish- ments (1,000)	Sales ¹ (mil. dol.)	Per- cent of sales	Estab- lish- ments (1,000)	Sales of specified merchandise lines		
					Total ¹ (mil. dol.)	As percent of total sales	
						Estab- lish- ments handling line	All estab- lish- ments
Retail trade, total.....	² 1,285	440,222	100.0	² 1,304	699,635	(x)	100.0
Groceries and other food.....	255	86,391	19.6	271	137,508	51.8	19.7
Meals and snacks.....	303	29,297	6.7	341	54,735	37.1	7.8
Alcoholic drinks.....	131	7,308	1.7	138	9,998	31.9	1.4
Packaged alcoholic beverages.....	113	11,286	2.6	138	16,164	15.9	2.3
Cigars, cigarettes, and tobacco.....	225	6,110	1.4	231	8,475	4.8	1.2
Drugs.....	273	15,655	3.5	110	12,438	11.3	1.8
Health and beauty aids.....				166	11,325	5.4	1.6
Men's, boys' clothing, excluding footwear.....	97	14,995	3.4	106	22,740	17.3	3.3
Women's, girls' wear, excluding footwear.....	131	25,933	5.9	139	38,527	26.3	5.2
Footwear, exc. infants, toddlers.....	94	7,673	1.7	98	10,650	8.9	1.5
Curtains, draperies, and dry goods.....	83	8,164	1.9	82	10,011	8.8	1.4
Major household appliances.....	77	7,339	1.7	72	9,179	9.5	1.3
Kitchenware and home furnishings.....	117	6,039	1.4	137	9,661	6.0	1.4
Small electrical appliances.....				82	2,849	2.3	.4
Televisions.....	100	8,176	1.9	55	4,128	5.0	.6
Audio equipment, musical instruments, supplies.....				89	9,191	7.8	1.3
Furniture and sleep equipment.....	69	10,252	2.3	72	14,685	14.6	2.1
Floor coverings.....	83	3,947	.9	86	5,770	6.0	.8
Jewelry.....	95	4,979	1.1	111	8,151	6.4	1.2
Optical goods.....				21	1,361	3.1	.2
Sporting goods.....	75	7,244	1.6	80	9,451	8.7	1.4
Recreational vehicles.....				13	3,234	8.9	.5
Hardware and tools.....	69	4,576	1.0	94	8,555	7.2	1.2
Lawn and garden equipment, supplies.....	80	3,959	.9	98	7,217	6.5	1.0
Lumber and building materials.....	78	15,723	3.6	80	26,786	26.2	3.8
Cars, trucks, powered vehicles.....	53	86,486	15.1	56	112,285	82.7	16.0
Automotive fuels and lubricants.....	236	27,306	6.2	211	48,736	26.4	7.0
Auto tires, batteries, accessories.....	235	16,465	3.7	195	21,196	6.9	3.0
Household fuels ³	27	4,138	.9	23	8,923	47.6	1.3

X Not applicable. ¹Includes sales taxes and finance charges in 1972 but not in 1977; includes other merchandise lines, not shown separately. ²Detail will not add to total because establishments may carry more than one merchandise line. ³1972 includes ice.
Source: U.S. Bureau of the Census, *Census of Retail Trade, 1972*, vol. I, and *1977, Merchandise Line Sales*, RC 77-L

No. 1450. RETAIL TRADE ESTABLISHMENTS—SELECTED OPERATING EXPENSES, BY SELECTED KINDS OF BUSINESS: 1977

[In millions of dollars, except percent. Based on sample and subject to sampling variability; see source for details.]

KIND OF BUSINESS	Operat- ing ex- penses ¹	Annu- al pay- roll	Em- ployer con- tri- butions	Lease and rental pay- ments	Adver- tising serv- ices	Elect- ricity and fuels	Percent of total		
							An- nual pay- roll	Em- ployer con- tri- butions	Lease and rental pay- ments
Retail trade, total ²	190,378	90,534	10,743	14,399	9,666	6,990	47.6	5.6	7.6
Durable goods.....	53,291	26,437	2,669	3,743	3,247	1,364	49.6	5.0	7.0
Nondurable goods.....	137,084	64,097	8,074	10,626	6,409	5,626	46.8	5.9	7.8
Building materials, hardware, garden supply and mobile home dealers.....	9,096	4,607	532	447	421	255	50.6	5.8	4.9
General merchandise stores.....	27,206	13,244	1,822	1,929	2,144	793	48.7	7.1	7.1
Food stores.....	33,131	16,216	2,347	2,109	1,310	1,830	49.0	7.1	6.4
Automotive dealers.....	23,116	(a)	1,196	1,229	1,240	482	(a)	5.2	5.3
Gasoline service stations.....	9,886	3,886	365	789	129	394	39.3	3.9	8.0
Apparel and accessory stores.....	13,105	5,978	738	1,675	709	396	45.6	5.6	12.6
Furniture, home furnishings and equipment stores.....	10,959	4,980	486	925	1,020	296	45.4	4.5	8.4
Eating and drinking places.....	33,316	15,263	1,565	2,685	1,039	1,661	46.8	4.7	8.1
Drug and proprietary stores.....	6,175	3,366	341	624	265	170	55.0	5.5	10.1
Liquor stores.....	2,021	917	106	207	46	103	46.4	5.2	10.3

S Figure does not meet publication standards. ¹Includes other operating expenses, not shown separately. ²Includes kinds of businesses not shown separately.
Source: U.S. Bureau of Census, *1977 Selected Characteristics of Retail Trade*, BR-77-14.

No. 1451. FRANCHISING—SUMMARY: 1969 TO 1982

(Franchising is a form of marketing or distribution in which a parent company customarily grants an individual or a company the right, or privilege, to do business in a prescribed manner over a certain period of time in a specified place. The parent company is termed the franchisor; the receiver of the privilege the franchisee; and the right, or privilege, the franchise.)

ITEM	Unit	1969	1970	1975	1976	1977	1978	1979	1980	1981	1982
Number of franchised establishments	1,000	384	396	435	443	451	452	452	442	447	468
Company-owned ¹	1,000	69	72	81	83	86	85	85	85	86	88
Franchisee-owned	1,000	315	324	354	360	365	367	367	357	361	378
Sales of products and services	Bil. dol.	116	120	181	222	253	287	312	336	380	437
Company-owned ¹	Bil. dol.	22	23	29	33	38	44	38	47	52	58
Franchisee-owned	Bil. dol.	94	96	162	189	215	243	273	289	328	379
Average sales per establishment	\$1,000	302	302	439	500	562	635	690	760	811	867
Employment	1,000	(NA)	(NA)	3,511	3,792	4,161	4,496	4,805	4,668	(NA)	(NA)

NA: Not available. ¹ Estimated by respondents to annual survey of franchisors. ² Represents establishments owned by the parent company.

Source: U.S. Dept. of Commerce, Bureau of Industrial Economics, *Franchising in the Economy, 1980-82*.

No. 1452. FRANCHISING—NUMBER OF ESTABLISHMENTS AND SALES, BY KIND OF FRANCHISED BUSINESS: 1970 TO 1982

[See headnote, table 1451, for definition of franchising]

KIND OF FRANCHISED BUSINESS	NUMBER OF ESTABLISHMENTS (1,000)						SALES (mil. dol.)					
	1970	1975	1979	1980	1981	1982	1970	1975	1979	1980	1981	1982
All franchising, total	396.3	434.5	452.5	442.4	447.1	465.8	119,758	150,001	312,186	336,229	376,919	437,440
Auto and truck dealers ²	37.2	31.8	33.0	29.4	28.9	28.2	58,812	94,497	155,738	143,961	164,789	194,295
Percent	9.4	7.3	7.3	6.6	6.5	6.1	49.1	49.5	49.9	42.8	43.4	44.4
Restaurants (all types)	32.6	43.0	58.9	60.0	63.5	68.1	4,602	12,262	24,766	27,667	31,567	36,484
Percent	8.2	9.9	13.0	13.6	14.2	12.2	3.8	8.4	7.9	8.3	8.3	8.3
Gasoline service stations ³	222.0	189.5	164.8	158.5	151.3	147.0	29,340	47,387	71,894	94,470	106,145	117,782
Percent	56.0	43.8	36.4	35.8	33.8	31.6	24.5	24.6	23.0	28.1	27.7	26.9
Retailing (nonfood)	30.7	37.2	36.8	35.2	36.9	39.3	13,133	9,031	8,902	10,517	11,453	12,887
Percent	7.7	8.6	8.1	8.0	8.1	8.9	11.0	4.7	2.8	3.1	3.0	2.9
Auto, truck rental services	10.7	6.5	7.5	7.3	7.6	8.0	1,177	1,475	2,890	3,148	3,382	3,729
Automotive products and services ⁴	20.4	47.5	45.1	40.2	40.7	43.2	1,936	5,006	7,227	7,084	7,556	8,290
Business aids and services	10.5	22.2	41.0	40.7	44.3	50.2	723	1,397	6,280	6,749	7,624	9,061
Employment services	2.9	2.7	4.2	4.4	4.7	5.4	516	553	1,417	1,594	1,848	2,187
Tax preparation services	4.7	7.5	8.7	8.2	9.4	9.6	85	161	256	289	330	371
Accounting, credit, collection, and general	1.1	3.5	3.0	2.4	2.4	2.7	20	165	128	121	127	154
Other	1.7	6.3	25.1	24.7	27.8	32.5	101	516	4,479	4,745	5,321	6,369
Campgrounds	(NA)	1.0	1.0	(NA)	(NA)	(NA)	(NA)	61	97	(NA)	(NA)	(NA)
Construction, home improvement, maintenance, and cleaning	7	10.8	14.1	14.3	15.0	16.4	83	639	1,382	1,475	1,659	1,859
Convenience stores	8.8	13.5	14.7	15.6	16.3	17.3	1,727	3,906	6,132	7,621	8,653	9,052
Educational products and services	4.9	1.3	2.7	3.2	3.6	4.1	86	173	267	339	389	450
Equipment rental services	(⁵)	1.4	1.7	2.2	2.4	2.8	(⁵)	157	269	356	385	448
Food retailing ⁵	(NA)	11.8	14.5	15.5	16.9	17.4	(NA)	1,445	6,512	7,430	8,262	9,213
Hotels and motels	3.4	5.4	5.3	6.4	6.6	6.9	3,540	4,540	6,625	9,506	10,745	11,820
Laundry, dry cleaning services	4.1	3.2	2.7	3.4	3.2	3.3	144	214	268	266	262	305
Recreation, entertainment, travel	2.7	3.4	4.3	4.6	4.9	5.3	77	162	360	516	619	830
Soft drink bottlers ⁶	2.7	2.4	2.0	1.9	1.8	1.7	4,102	8,165	12,194	14,352	16,831	20,069
Miscellaneous	4.8	2.7	2.5	3.6	4.3	5.2	295	414	363	447	576	746

NA: Not available. ¹ Estimated by respondents. ² Estimated by source on basis of Bureau of the Census and trade association data. ³ Equipment rental services included with auto, truck rental services. ⁴ Includes some establishments with significant sales of nonautomotive products such as household appliances, garden supplies, etc. ⁵ Excludes convenience stores. ⁶ Includes soft drinks, fruit drinks and ades, syrups, flavoring agents and bases. Excludes independent private label and contract-filler bottling companies, which accounted for 22 percent in recent years, of the value of shipments of the total industry.

Source: U.S. Dept. of Commerce, Bureau of Industrial Economics, *Franchising in the Economy, 1980-82*.

NO. 1453. WHOLESALE TRADE—SUMMARY: 1948 TO 1977

[Prior to 1966, excludes Alaska and Hawaii. 1972 and 1977 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47, and T 274-279]

ITEM	Unit	1948	1954	1958	1963	1967	1972	1977
Firms, total.....	1,000.....	(NA)	(NA)	(NA)	232	233	278	289
Establishments, total.....	1,000.....	216	250	287	308	311	378	383
With sales of \$1,000,000 or more.....	1,000.....	21	(NA)	(NA)	62	75	103	152
Sales, all establishments.....	Bil. dol.....	180.6	234.0	285.7	358.4	459.5	686.2	1,258.4
Merchant wholesalers.....	Bil. dol.....	78.5	100.1	122.1	157.4	208.1	353.8	878.1
Inventories, end of year.....	Bil. dol.....	10.0	13.0	15.0	20.1	28.1	45.7	82.3
Payroll, entire year.....	Bil. dol.....	7.7	10.9	13.2	18.1	23.9	38.9	58.3
Paid employees, Mar. 15 workweek ¹	1,000.....	2,305	2,555	2,808	3,086	3,519	4,028	4,307
Active proprietors of unincorporated businesses.....	1,000.....	131	150	158	133	122	(NA)	(NA)

NA Not available. ¹1948-1963 data for workweek including Nov. 15.

Source: U.S. Bureau of the Census, *U.S. Census of Business: 1948*, vol. IV; *1954*, vol. III; *1958*, vol. III; *1963*, vol. IV; *1967*, vol. II; and *Census of Wholesale Trade: 1972*, vol. I and *1977*, WC 77-A-52.

NO. 1454. WHOLESALE TRADE—MERCHANT WHOLESALERS SALES, STOCKS, AND STOCK-SALES RATIO: 1960 TO 1981

[In billions of dollars, except ratios. Data reflect methodological revision effective August 1977. Based on Current Business Survey, see Appendix II. See *Historical Statistics, Colonial Times to 1970*, series T 375-383, for sales]

ITEM	1960 ¹	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
All establishments: Sales ²	139.9	187.3	287.3	456.2	573.0	559.5	608.3	571.8	780.4	913.3	1,055.2	1,174.1
Stocks, end of year ³	14.1	18.3	32.8	46.4	58.9	58.7	84.1	72.3	83.8	83.9	104.4	111.2
Stock-sales ratio ⁴	1.22	1.15	1.29	1.11	1.07	1.21	1.19	1.21	1.21	1.18	1.13	1.09
Durable goods: Sales ²	58.6	82.9	127.2	202.0	246.8	229.5	257.4	297.3	356.9	410.5	448.0	500.0
Stocks, end of year ³	8.1	10.8	19.7	27.4	35.3	36.7	41.4	47.0	54.7	60.5	67.0	73.7
Stock-sales ratio ⁴	1.89	1.48	1.77	1.53	1.50	1.89	1.83	1.77	1.71	1.89	1.70	1.67
Nondurable goods: Sales ²	81.3	104.5	160.1	254.1	326.2	329.8	350.9	374.8	423.5	502.8	607.1	674.1
Stocks, end of year ³	6.0	7.7	13.1	18.0	21.7	20.0	22.7	25.3	29.2	33.4	37.4	37.4
Stock-sales ratio ⁴.....	.89	.87	.91	.77	.74	.73	.73	.77	.78	.78	.70	.85

¹Excludes Alaska and Hawaii. ²Annual totals. ³Seasonally adjusted. ⁴Source: U.S. Bureau of Economic Analysis. In *Survey of Current Business*, monthly. Ratio of average stocks to average monthly sales. Average stocks based on weighted averages of end-of-month figures.

Source: Except as noted, U.S. Bureau of the Census, *Current Business Reports*, series BW, *Monthly Wholesale Trade*.

NO. 1455. WHOLESALE TRADE, BY TYPE OF OPERATION AND KIND OF BUSINESS: 1972 AND 1977

[See also *Historical Statistics, Colonial Times to 1970*, series T 274-287 and T 352-369]

TYPE OF OPERATION AND KIND OF BUSINESS	ESTABLISHMENTS ¹ (1,000)		SALES ¹ (1,000)		PAYROLL ¹ (mil. dol.)		PAID EMPLOYEES ² (1,000)	
	1972	1977	1972	1977	1972	1977	1972	1977
Wholesale trade.....	368.8	382.8	686,234	1,258,400	38,893	58,299	4,028	4,307
Merchant wholesalers.....	290.0	307.3	363,919	676,058	25,916	42,067	3,023	3,388
Manufacturers' sales branches, offices.....	47.2	40.5	255,679	451,855	9,029	13,241	795	806
Merchandise agents, brokers.....	32.6	35.1	85,626	130,486	1,948	2,991	208	222
Kind of business:								
Motor vehicles, automotive equipment.....	38.5	38.9	63,016	147,112	3,415	5,148	382	423
Furniture, home furnishings.....	8.5	11.1	12,369	22,032	926	1,446	87	110
Lumber, construction materials.....	15.9	15.7	29,095	46,179	1,725	2,502	181	180
Sporting, recreational, photographic goods ⁴	6.7	8.8	11,146	16,521	852	1,024	85	77
Metals and minerals, except petroleum.....	8.0	9.4	43,486	80,298	1,368	2,178	127	133
Electrical goods.....	21.2	24.9	49,349	69,899	2,803	3,822	257	277
Hardware, plumbing, heating equipment.....	17.4	18.6	18,800	30,805	1,714	2,578	181	194
Machinery, equipment, supplies.....	73.8	84.0	80,882	165,057	8,000	14,350	800	986
Paper, paper products.....	10.7	11.7	17,280	32,508	1,291	2,103	130	148
Drugs, drug proprietaries ⁵	4.0	3.6	12,886	19,445	803	1,148	88	89
Apparel, piece goods, notions.....	12.4	13.0	27,933	39,895	1,389	1,830	134	131
Groceries and related products.....	38.5	38.0	105,457	182,905	4,834	7,489	580	602
Farm-product raw materials.....	14.8	14.8	52,401	110,332	709	1,273	118	136
Chemicals, allied products.....	6.4	8.5	24,621	51,651	885	1,803	78	180
Petroleum, petroleum products.....	31.3	22.8	48,284	118,780	1,547	2,249	194	179
Beer, wines, distilled alcoholic beverages.....	7.0	6.7	16,885	28,979	1,185	1,841	111	122
Miscellaneous.....	65.7	64.9	80,882	100,090	3,855	5,828	474	511

¹Includes sales taxes and finance charges in 1972 but not in 1977. ²Entire year. ³Week including Mar. 12.

⁴Includes toys, hobby goods, and supplies. ⁵Includes drugstore sundries.

Source: U.S. Bureau of the Census, *Census of Wholesale Trade, 1972*, vol. I, and *1977*, Geographic Area Series, WC 77-A-82.

No. 1456. WHOLESALE TRADE—SUMMARY, BY STATES: 1972 AND 1977

STATE	1972			1977						
	Estab- lishments	Sales ¹ (bil. dol.)	Payroll, entire year (mil. dol.)	Estab- lishments	Sales ¹ (bil. dol.)	Payroll, entire year		Paid employ- ees ² (1,000)	Merchant wholesalers	
						Total (mil. dol.)	Per- cent of operat- ing ex- penses		Estab- lishments	Sales ¹ (bil. dol.)
U.S.	369,791	666.2	36,493	382,837	1,258.4	68,290	48.1	4,367	307,264	576.1
N.E.	18,577	33.9	2,063	18,830	58.4	2,869	48.1	225	15,252	32.0
Maine	1,625	1.9	125	1,580	2.8	178	50.4	17	1,390	2.0
N.H.	1,092	1.1	86	1,223	2.0	148	49.2	12	1,018	1.6
Vt.	714	.7	50	748	1.0	75	49.5	7	664	.8
Mass.	9,226	19.3	1,119	9,107	30.2	1,550	49.2	113	7,177	14.8
R.I.	1,479	2.1	142	1,480	3.1	209	50.3	17	1,280	2.1
Conn.	4,441	8.8	530	4,694	19.2	812	48.5	59	3,735	10.7
M.A.	68,486	154.8	8,226	68,662	274.4	11,566	47.1	694	55,813	154.1
N.Y.	39,684	100.4	4,696	38,149	165.4	6,115	46.1	411	31,324	103.2
N.J.	11,754	31.6	1,861	12,997	56.3	2,652	45.9	182	10,348	25.7
Pa.	17,731	32.4	1,878	17,536	53.7	2,818	50.7	211	13,941	25.1
E.N.C.	66,176	137.3	7,408	67,201	248.0	11,960	50.7	618	52,770	118.8
Ohio	16,721	33.7	1,858	16,643	61.7	2,826	51.2	212	12,531	27.2
Ind.	8,803	13.4	799	8,875	25.4	1,224	50.6	97	7,352	14.6
Ill.	21,491	52.8	2,684	21,237	97.1	4,207	49.9	260	16,499	47.9
Mich.	12,827	26.5	1,398	12,572	45.2	2,109	51.2	141	9,813	19.3
Wis.	8,233	10.8	670	7,874	19.6	1,112	51.2	86	6,574	10.8
W.N.C.	41,111	84.6	3,101	39,814	119.7	5,133	49.3	407	32,736	69.8
Minn.	8,718	15.1	788	8,626	29.1	1,284	50.5	94	6,823	16.0
Iowa	6,204	10.0	491	7,846	20.1	925	48.0	69	6,509	14.0
Mo.	10,136	20.7	998	10,007	35.1	1,111	50.6	116	7,889	18.2
N. Dak.	2,362	2.2	105	2,126	3.9	198	50.9	17	1,869	2.7
S. Dak.	2,098	2.0	89	1,997	3.4	162	49.8	15	1,668	2.0
Nebr.	4,262	6.4	282	4,164	10.6	494	48.9	42	3,573	6.4
Kans.	5,313	8.2	351	5,349	17.5	653	48.2	54	4,406	10.5
S.A.	46,836	87.6	4,803	54,186	153.2	7,516	50.7	622	43,471	71.6
Del.	733	2.6	132	770	5.2	192	51.0	12	649	1.2
Md.	4,746	10.2	580	5,019	16.9	902	52.7	67	3,962	8.1
D.C.	741	1.7	135	594	2.2	169	54.4	11	480	1.2
Va.	5,772	10.3	589	6,254	19.1	955	52.4	79	5,017	9.1
W. Va.	2,246	2.4	182	2,372	4.5	300	50.2	25	1,874	2.8
N.C.	8,892	15.8	803	9,571	27.6	1,254	51.1	108	7,829	12.0
S.C.	3,886	4.7	283	4,112	8.3	462	50.6	42	3,501	5.0
Ga.	9,368	19.8	946	10,085	35.2	1,482	50.4	118	7,561	13.1
Fla.	13,450	20.0	1,154	15,409	34.4	1,822	48.8	159	12,718	19.1
E.S.C.	20,630	33.3	1,898	21,644	63.9	2,860	50.6	248	17,772	36.8
Ky.	4,709	7.0	372	5,133	13.5	647	49.9	56	4,189	7.4
Tenn.	7,002	14.8	682	7,406	29.3	1,127	50.9	93	5,851	15.9
Ala.	5,434	7.5	423	5,713	14.2	705	50.7	64	4,709	8.1
Miss.	3,485	3.9	221	3,692	7.0	380	50.0	36	3,043	5.3
W.S.C.	39,637	62.3	3,218	42,323	127.4	5,810	49.4	478	33,963	71.8
Ark.	3,580	3.4	204	3,685	6.8	382	50.6	34	3,183	5.1
La.	6,418	9.8	544	6,800	19.8	956	50.1	81	5,558	12.6
Okla.	5,205	6.8	350	5,468	13.4	639	50.3	53	4,496	7.7
Tex.	24,334	42.2	2,120	26,370	87.7	3,853	48.0	310	20,746	46.5
Mt.	17,069	21.8	1,383	18,040	41.8	2,367	50.2	111	15,285	24.6
Mont.	1,796	1.6	92	1,815	3.0	162	49.7	14	1,512	2.0
Idaho	1,839	1.7	110	2,037	3.2	211	49.4	20	1,701	2.4
Wyo.	603	.7	33	679	1.9	76	48.2	6	699	1.6
Colo.	4,754	8.0	436	5,457	15.6	791	50.8	61	4,187	7.9
N. Mex.	1,768	1.6	102	1,969	2.7	192	49.5	17	1,647	1.9
Ariz.	3,097	4.4	271	3,587	8.1	471	50.0	39	2,677	4.4
Utah	2,096	2.9	174	2,301	5.4	329	51.4	27	1,807	3.0
Nev.	816	.9	67	895	1.7	127	49.3	9	645	1.3
Pac.	46,387	90.0	5,106	50,817	170.7	6,478	47.8	601	40,379	96.8
Wash.	6,532	10.0	607	7,091	19.9	1,065	48.5	77	5,512	12.1
Oreg.	4,591	9.3	463	4,904	18.1	765	48.3	54	3,889	11.4
Calif.	32,431	68.8	3,868	36,704	129.6	6,354	47.3	570	29,223	70.0
Alaska	506	.8	44	649	1.6	116	51.6	6	484	.8
Hawaii	1,337	1.6	124	1,569	2.6	178	47.2	15	1,261	1.4

¹Includes sales (or other taxes) and carrying charges or other charges for credit in 1972, but not for 1977. ²For week including March 12.

Source: U.S. Bureau of the Census, *Census of Wholesale Trade: 1972*, vol. II, and 1977, *Geographic Area Series*, WC 77-A-1-52.

NO. 1457. MERCHANT WHOLESALERS—ESTIMATED SALES, BY KIND OF BUSINESS: 1967 TO 1982

(In billions of dollars. Data reflect methodological revision effective August 1977. Based on Current Business Survey, see Appendix III. See *Historical Statistics, Colonial Times to 1970*, series T 280-371, for related data)

KIND OF BUSINESS	1967	1970	1975	1977	1978	1979	1980	1981	1982, Jan.-June ¹
Merchant wholesalers	233.4	287.3	568.5	571.8	780.4	813.3	1,085.2	1,179.1	599.5
Durable goods, total²	98.7	127.2	228.5	297.3	368.9	410.5	448.0	500.0	231.6
Motor vehicles and automotive equipment	14.1	21.4	39.7	55.1	88.8	78.1	84.2	94.7	48.8
Furniture and home furnishings	4.3	5.5	8.3	11.1	12.6	13.9	15.3	16.5	7.8
Lumber and construction materials	9.2	11.8	17.3	27.6	33.9	37.3	34.5	34.1	(8)
Electrical goods	12.4	15.0	22.7	30.4	38.3	41.8	47.5	54.2	26.7
Hardware, plumbing, and heating equipment	8.7	10.5	15.2	19.9	22.9	25.7	27.1	30.3	13.4
Machinery, equipment, and supplies	26.7	33.8	69.2	65.7	100.3	117.5	130.9	148.2	69.3
Nondurable goods, total²	133.6	160.1	329.9	374.6	423.8	502.8	607.1	674.1	336.9
Paper and paper products	6.4	7.4	11.2	15.0	16.9	19.0	21.3	24.4	12.2
Drugs, proprietaries, and sundries	4.7	5.6	8.6	10.1	10.9	12.1	13.8	15.8	(8)
Apparel, piece goods, and notions	8.9	10.2	14.7	17.9	22.0	23.7	25.1	27.1	(8)
Groceries and related products	42.5	54.4	95.6	111.8	126.0	137.3	152.6	167.7	85.2
Farm-product raw materials	24.0	24.8	83.3	80.2	82.7	108.4	122.2	125.6	(8)
Beer, wine, and distilled beverages	10.4	13.1	19.4	22.4	26.0	29.1	32.8	35.9	17.9
Petroleum and petroleum products	(8)	(8)	(8)	59.5	68.4	100.6	154.6	187.1	(8)

³ Data do not meet publication standards. ¹ Seasonally unadjusted. ² Includes kinds of business not shown separately.

NO. 1458. MERCHANT WHOLESALERS—INVENTORIES AND STOCK-SALES RATIOS, BY KIND OF BUSINESS: 1970 TO 1982

(Data reflect methodological revision effective August 1977. Based on Current Business Survey, see Appendix III)

KIND OF BUSINESS	INVENTORIES ¹ (bil. dol.)						STOCK-SALES RATIOS ² (percent)					
	1970	1975	1979	1980	1981	1982, ³ June	1970	1975	1979	1980	1981	1982, ⁴ June
Merchant wholesalers	52.8	58.7	93.8	104.4	111.2	112.6	133	118	114	108	117	114
Durable goods, total⁴	18.7	24.7	60.5	67.0	73.7	75.2	184	184	169	166	180	188
Motor vehicles, automotive equipment	2.9	6.8	10.2	11.0	11.7	13.2	153	174	163	148	145	151
Furniture and home furnishings	7	1.2	2.0	2.2	2.4	2.2	148	162	170	162	162	168
Lumber and construction materials	1.2	2.0	3.6	3.5	3.6	(8)	124	126	121	114	149	(8)
Electrical goods	2.3	3.5	5.9	6.6	7.9	8.5	164	171	165	158	174	171
Hardware, plumbing, heating equipment	1.8	2.7	4.4	4.7	5.1	5.0	197	207	200	199	210	215
Machinery, equipment, and supplies	6.6	13.0	21.5	24.3	27.0	27.0	243	222	208	206	213	235
Nondurable goods, total⁴	13.1	20.0	33.4	37.4	37.4	37.2	84	72	72	68	89	83
Paper and paper products	7	1.0	1.6	1.8	2.1	2.1	111	100	98	97	105	97
Drugs, proprietaries, and sundries	7	1.0	1.5	1.6	2.0	(8)	136	129	148	142	148	(8)
Groceries and related products	2.4	4.4	8.9	7.7	8.0	8.7	54	56	56	56	57	57
Beer, wine, and distilled beverages	1.2	1.7	2.7	2.9	3.1	3.4	105	105	110	104	101	86
Petroleum and petroleum products	(8)	(8)	3.7	4.6	4.7	(8)	(8)	(8)	35	29	32	(8)

⁵ Data do not meet publication standards. ¹ As of end of year, except 1982. ² Unadjusted for seasonal variations.

³ Based on December adjusted sales and inventory estimates, except 1982. ⁴ Includes kinds of business not shown separately.

Source of tables 1457 and 1458: U.S. Bureau of the Census, *Current Business Reports*, series BW, *Monthly Wholesale Trade*.

NO. 1459. MERCHANT WHOLESALERS—ESTABLISHMENTS, SALES, AND PAYROLL, BY SALES SIZE OF ESTABLISHMENTS: 1977

SALES SIZE	Estab- lish- ments (1,000)	Total sales (mil. dol.)	Per- cent sales	Pay- roll (mil. dol.)	SALES SIZE	Estab- lish- ments (1,000)	Total sales (mil. dol.)	Per- cent sales	Pay- roll (mil. dol.)
All establishments	307.3	876,958	100.0	43,087	With annual sales of—Con.				
Operated all year	281.7	856,870	97.1	40,942	\$1,000,000–\$1,999,999	44.6	63,112	9.3	8,397
With annual sales of—					\$2,000,000–\$4,999,999	37.0	114,684	17.0	8,578
Less than \$100,000	27.1	1,566	.2	270	\$5,000,000–\$9,999,999	13.3	91,662	13.6	6,148
\$100,000–\$199,999	32.2	4,724	.7	720	\$10,000,000–				
\$200,000–\$299,999	26.5	6,531	1.0	933	\$10,999,999	5.6	75,686	11.2	4,316
\$300,000–\$499,999	38.6	15,095	2.2	2,003	\$20,000,000 and over	3.6	245,457	36.3	6,899
\$500,000–\$999,999	53.2	38,173	5.6	4,921	Not operated all year	25.5	19,386	2.9	1,136

Source: U.S. Bureau of the Census, *Census of Wholesale Trade, 1977, Size Report*, WC 77-S-1.

NO. 1460. SELECTED SERVICES—SUMMARY: 1948 TO 1977

[Prior to 1958, excludes Alaska and Hawaii. 1972 and 1977 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47 and T 391-401]

ITEM	Unit	1948	1954	1958	1963	1967	1972	1977
Firms, total	1,000	(NA)	(NA)	(NA)	1,017	1,136	1,525	1,764
Single unit establishments	1,000	(NA)	751	828	1,001	1,130	1,505	1,745
Multunit establishments ¹	1,000	(NA)	35	51	61	58	65	90
Establishments, total	1,000	865	786	879	1,062	1,188	1,590	1,835
With payroll	1,000	370	375	444	504	521	684	725
Receipts, total	Bill. dol.	13.3	23.5	32.5	44.6	60.5	113.0	179.5
For establishments with payroll	Bill. dol.	12.2	21.3	29.1	41.0	55.5	103.2	164.2
Average receipts per establishment	\$1,000	32.9	50.7	65.5	81.3	106.5	151.0	226.5
For establishments without payroll	Bill. dol.	1.1	2.2	3.4	3.6	5.0	8.7	15.3
Average receipts per establishment	\$1,000	3.8	5.5	8.3	6.4	7.5	10.7	13.8
By multunit establishments ²	Bill. dol.	(NA)	5.7	9.2	13.9	22.0	37.8	63.5
Percent of total receipts	Percent	(NA)	24.3	28.3	31.1	36.4	33.5	35.4
Payroll entire year	Bill. dol.	4.2	6.5	9.0	12.2	17.5	33.4	56.1
Paid employees, March 12 workweek ³	1,000	2,100	2,362	2,904	3,262	3,841	5,305	6,337
Active proprietors of unincorporated businesses	1,000	857	761	996	1,017	1,062	(NA)	(NA)

NA Not available. ¹Includes architectural, engineering, surveying, legal services, and dental labs. ²Establishments operated by firms at two or more locations. ³1977 receipts reflect commissions, fees, and other income of advertising agencies rather than gross billings as in previous censuses. (For 1972, the comparable receipts figure is \$105.4 billion.) ⁴1948-1963 data for Nov. 15 workweek.

Source: U.S. Bureau of the Census, *U.S. Census of Business: 1948*, vol. VI; *1954*, vol. V; *1958*, vol. V; *1963*, vol. VI; *1967*, vol. V, Part I, and *Census of Selected Service Industries, 1972*, vol. I, and 1977, SC 77-A-52.

NO. 1461. SELECTED SERVICES—RECEIPTS, BY KINDS OF BUSINESS: 1972 TO 1981

[In millions of dollars. Data reflect methodological revision effective August 1977. Based on Current Business Survey, see Appendix III]

KIND OF BUSINESS	1972	1975	1978	1977	1978	1979	1980	1981
Selected services, total	63,439	123,900	141,086	159,191	161,386	210,125	237,463	137,846
Excluding business services	55,685	72,449	81,803	91,500	103,182	116,542	126,303	137,846
Hotels, motels, tourist courts, camps, and trailering parks	10,574	13,669	15,816	17,168	20,164	23,489	25,102	27,910
Hotels, motels, and tourist courts	10,027	13,002	15,129	16,413	19,443	22,226	23,636	26,637
Personal services ¹	13,906	15,661	16,788	18,374	20,255	22,205	23,589	25,323
Laundry, cleaning, and garment services	5,719	6,004	6,231	6,771	7,503	8,131	8,819	8,141
Beauty shops	3,007	3,376	3,529	4,178	4,734	5,160	5,443	5,689
Barber shops	885	947	988	1,104	1,113	1,158	1,232	1,226
Business services	37,754	50,551	59,295	67,691	78,164	90,583	111,160	(NA)
Advertising	10,584	12,771	15,584	17,233	19,941	23,273	25,519	(NA)
Automotive repair, services, and garages	12,040	16,582	18,816	21,415	24,942	28,336	32,117	34,013
Automotive repair shops	7,024	10,585	12,071	13,386	15,236	17,716	18,706	19,779
Miscellaneous repair services	5,785	8,908	10,301	12,706	14,623	15,762	17,168	18,696
Amusement and recreation services, incl. motion pictures	13,376	17,609	20,060	21,815	23,196	25,750	28,327	31,704

NA Not available. ¹Includes services not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BS, *Monthly Selected Services Receipts*.

NO. 1462. HOTEL AND MOTOR HOTEL OPERATIONS—OCCUPANCY RATIO, SALES INDEXES, AND ROOM RATE INDEX: 1960 TO 1981

[Excludes Alaska and Hawaii. Based on reports from lodging establishments; the number of reports varies from year to year, approximately 1400 in 1981. Excludes budget operations]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Occupancy ratio (percent)	66	62	55	63	68	65	62	66	66	72	71	68	67
Sales indexes (1967 = 100):													
Total sales	94	94	107	113	121	128	132	147	163	166	210	234	251
Room sales	90	91	112	121	129	137	145	164	185	218	249	283	305
Restaurant sales	97	97	100	106	112	116	119	129	139	156	167	180	191
Room rate index (1967 = 100)	66	61	125	132	139	160	165	178	194	220	255	285	328

Source: Laveneth & Horwath, Philadelphia, Pa., *National Trend of Business in the Lodging Industry*, monthly. (Copyright, 1981, by Laveneth & Horwath.)

No. 1463. SELECTED SERVICES, BY KIND OF BUSINESS: 1972 AND 1977

KIND OF BUSINESS	ESTABLISHMENTS WITH PAYROLL, 1972		ALL ESTABLISHMENTS, 1977		ESTABLISHMENTS WITH PAYROLL, 1977			
	Re- ceipts ¹ (mil. dol.)	Paid employ- ees ² (1,000)	Num- ber (1,000)	Re- ceipts ¹ (mil. dol.)	Num- ber (1,000)	Re- ceipts ¹ (mil. dol.)	Pay- roll entire year (mil. dol.)	Paid employ- ees ² (1,000)
Selected services.....	95,678	5,305.2	1,834.7	179,515	725.1	164,219	56,055	6,337.3
Hotels, motels, trailering parks, camps.....	10,197	728.6	70.7	18,453	41.8	17,883	5,130	905.9
Hotels.....	4,745	347.0	12.5	9,884	10.4	9,837	3,094	484.2
Motels, motor hotels, tourist courts.....	5,089	364.1	39.3	7,835	26.7	7,578	1,933	409.9
Motels and tourist courts.....	3,854	273.1	(NA)	(NA)	24.3	5,736	1,409	305.5
Motor hotels.....	1,234	91.0	(NA)	(NA)	2.4	1,842	524	104.4
Sporting, recreational camps.....	225	10.5	5.3	277	2.2	230	59	5.6
Trailering parks, campsites for transients.....	139	5.0	13.5	457	2.2	247	44	6.2
Personal services.....	11,692	976.7	512.1	18,433	170.2	15,297	5,478	910.4
Laundry, cleaning, other garment services.....	5,334	468.3	75.4	6,829	46.5	6,326	2,288	361.0
Photographic studios.....	542	26.4	37.1	1,185	6.2	841	215	29.8
Beauty shops.....	2,418	279.3	196.1	4,274	74.5	3,392	1,634	289.0
Barber shops.....	394	38.2	68.6	992	11.5	433	182	27.7
Shoe repair, shoe shine, etc.....	126	8.6	9.6	239	3.1	150	40	7.2
Funeral service, crematories.....	2,071	70.2	19.6	2,827	15.1	2,652	639	71.8
Misc. personal services.....	807	85.8	105.7	2,088	13.1	1,503	480	124.0
Business services.....	27,932	1,759.4	458.2	54,500	154.8	49,980	20,852	2,297.4
Advertising.....	2,781	111.5	32.9	4,983	10.9	4,483	1,921	118.8
Service to dwellings, other buildings.....	2,307	333.5	67.3	4,597	26.3	4,210	2,256	426.3
Computer, data processing services.....	3,411	127.4	16.1	7,576	10.3	7,476	2,833	203.9
Management, consulting, public relations.....	3,549	143.2	143.8	8,343	24.7	6,653	2,839	208.8
Equipment rental, leasing services.....	2,205	60.8	29.3	5,102	12.0	4,729	1,086	87.2
Other business services ⁴	13,679	983.0	168.9	23,898	70.6	22,448	9,918	1,252.5
Credit reporting, collection agencies.....	803	63.1	(NA)	(NA)	6.1	1,238	539	64.2
Direct mail advertising services.....	538	33.3	(NA)	(NA)	1.7	843	276	31.5
Commercial photography, art, graphics.....	882	35.1	(NA)	(NA)	7.8	1,719	588	46.0
Temporary help supply services.....	918	179.2	(NA)	(NA)	4.2	2,324	1,703	331.5
Commercial research, development labs ⁵	1,764	72.5	(NA)	(NA)	1.8	2,026	843	48.5
Detective agencies, protective services.....	1,420	212.0	(NA)	(NA)	7.1	2,615	1,598	279.9
Photofinishing laboratories.....	1,165	44.4	(NA)	(NA)	3.0	1,873	523	64.3
Auto repair, services, garages.....	10,929	392.5	200.2	21,576	106.2	19,659	4,458	493.2
Automotive repair shops.....	6,134	237.9	154.2	12,770	80.7	11,283	3,090	316.3
General auto repair.....	2,569	98.2	87.0	5,633	37.2	4,641	1,173	128.3
Top and body repair.....	1,578	65.7	38.8	3,246	22.6	2,907	874	87.9
Other auto repair.....	1,988	74.0	28.4	3,891	20.9	3,735	1,043	100.0
Automotive rental and leasing, without drivers.....	3,488	62.7	12.4	6,407	8.7	6,290	834	75.5
Auto parking.....	711	37.3	8.9	1,008	8.2	992	211	33.9
Automotive services, exc. repair.....	597	54.7	24.7	1,391	8.7	1,092	320	57.6
Miscellaneous repair services.....	4,836	206.8	162.9	11,028	55.0	9,558	2,982	279.1
Electrical, electronic repair shops.....	1,729	74.4	52.5	3,581	19.1	3,077	1,001	95.2
Reupholstery, furniture repair.....	334	19.1	24.6	721	7.1	516	158	22.2
Other repair shops, related services.....	2,772	113.3	85.8	6,726	28.7	5,966	1,833	161.8
Amusement, recreation services, incl. motion pictures⁶.....	12,980	653.0	176.8	21,143	61.8	19,756	5,272	689.3
Motion picture prod., distribution, services.....	2,857	64.7	10.7	5,412	5.5	5,314	1,377	88.4
Motion picture theaters.....	1,816	127.4	11.8	2,606	10.7	2,570	462	112.2
Producers, orchestras, entertainers ⁷	1,111	58.4	67.7	2,361	6.7	1,768	524	50.1
Bowling alleys, billiards, pool establishments.....	1,142	94.9	11.3	1,768	8.0	1,702	490	108.1
Other amusement and recreation services ⁸	5,735	307.7	75.2	8,997	30.9	8,401	2,419	301.5
Membership sports and recreation clubs ⁹	1,589	116.5	(NA)	(NA)	6.3	1,148	385	58.5
Museums, botanical and zoological gardens (commercial) ⁵	(NA)	(NA)	(NA)	(NA)	.5	97	28	3.1
Dental laboratories.....	519	29.8	10.3	948	6.3	862	367	35.1
Legal services ⁴	9,724	267.7	167.9	18,696	94.9	17,147	5,217	382.1
Engineering, architecture, surveying.....	7,186	292.6	75.6	14,737	34.4	14,046	6,282	373.2

NA Not available. ¹Includes sales, occupancy, admissions, or other taxes collected from customers and forwarded to taxing authorities in 1972, but not in 1977. ²Week including Mar. 12. ³Adjusted to reflect changes in measuring 1977 receipts data for advertising agencies. ⁴Includes other services not shown separately. ⁵1972 not strictly comparable with 1977 and 1977 data are only for establishments paying Federal income taxes. For data pertaining to tax-exempt establishments, see table 1465. ⁶Includes expense-sharing associations in 1977. ⁷For services rendered in 1972, whether or not payment received in 1972. ⁸For payments received in 1977, regardless of when services provided.

Source: U.S. Bureau of the Census, *Census of Selected Service Industries: 1972*, vol. I, and 1977, U.S. Summary, SC 77-A-52

Selected Service Industries

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NO. 1464. SELECTED SERVICE INDUSTRIES—SUMMARY, BY STATES: 1977

[Discrepancies in figures identified after tabulation process was completed have been corrected only at level significantly affected; hence, detail may not add to total]

STATE	ALL ESTABLISHMENTS		ESTABLISHMENTS WITH PAYROLL				BUSINESS SERVICES		PERSONAL SERVICES		AUTO REPAIR, AUTO SERVICES, TRAILERING PARKS, GARAGES	
	Number (1,000)	Receipts (mil. dol.)	Number (1,000)	Receipts (mil. dol.)	Payroll, entire year (mil. dol.)	Paid employees (1,000)	Estab-lishments	Receipts (mil. dol.)	Estab-lishments	Receipts (mil. dol.)	Estab-lishments	Receipts (mil. dol.)
U.S.	1,834.7	179,515	725.1	184,219	54,055	5,337.3	459,232	54,500	512,140	18,433	200,153	21,576
N.E.	110.9	9,291	42.7	8,348	2,475	334.1	29,953	3,065	27,315	1,018	10,992	1,127
Maine	10.4	527	3.7	456	131	18.2	1,868	70	2,943	85	1,346	106
N.H.	8.9	547	3.2	477	152	20.2	1,987	102	2,226	85	982	79
Vt.	5.1	299	1.9	263	81	13.6	940	42	1,290	30	579	31
Mass.	52.6	5,025	19.5	4,549	1,621	175.9	15,020	1,830	12,589	504	4,676	532
R.I.	7.5	534	3.2	475	166	20.9	1,689	158	2,200	74	824	81
Conn.	26.4	2,359	11.2	2,127	727	85.1	8,559	893	6,070	278	2,065	298
M.A.	307.7	35,978	124.6	31,262	11,541	1,164.7	84,859	12,942	81,203	3,107	30,815	3,481
N.Y.	158.8	21,327	64.5	19,954	6,891	631.8	48,828	8,250	38,086	1,562	12,505	1,629
N.J.	60.2	6,243	26.8	5,711	2,062	218.7	16,649	2,257	13,860	626	5,907	746
Pa.	90.7	8,406	33.3	7,597	2,588	304.2	19,582	2,435	29,247	919	12,203	1,106
E.N.C.	311.1	28,381	118.6	28,727	9,223	1,048.6	76,123	8,982	92,328	3,686	32,883	4,067
Ohio	78.9	7,060	31.4	8,446	2,194	267.8	17,296	1,895	22,489	936	9,811	1,070
Ind.	41.3	2,786	14.7	2,447	781	108.3	8,130	651	14,497	450	5,076	493
Ill.	96.9	10,567	34.1	9,644	3,396	347.0	28,109	3,844	28,808	1,092	8,650	1,093
Mich.	60.6	8,389	24.9	5,882	2,059	218.9	14,268	1,925	17,317	771	6,487	981
Wis.	35.4	2,579	13.9	2,308	793	106.6	8,360	667	9,219	349	3,659	370
W.N.C.	153.2	10,859	54.2	9,782	3,232	417.9	36,392	2,961	51,132	1,418	18,463	1,649
Minn.	34.2	2,785	11.8	2,514	882	109.6	6,897	818	10,541	332	3,871	380
Iowa	27.3	1,560	9.2	1,347	409	60.2	5,315	347	9,636	230	3,429	261
Mo.	43.5	3,748	15.7	3,401	1,157	136.0	10,161	1,155	14,224	431	5,290	524
N. Dak.	5.4	319	2.0	279	88	12.6	776	54	1,753	49	645	56
S. Dak.	8.4	309	2.3	263	73	11.5	787	42	2,137	46	781	49
Nebr.	14.8	976	5.5	863	280	40.1	2,506	233	5,034	126	1,914	173
Kans.	21.6	1,262	7.7	1,095	343	47.9	3,860	302	7,805	202	2,733	206
S.A.	273.5	26,219	116.7	34,145	8,329	1,034.6	61,603	7,156	77,925	2,889	30,983	3,174
Del.	4.4	407	1.9	376	127	16.6	1,062	129	1,245	43	456	56
Md.	32.9	3,358	12.6	3,063	1,214	132.0	9,441	1,253	8,845	351	2,778	346
D.C.	8.6	1,842	4.0	1,780	631	69.4	3,114	575	1,757	95	581	107
Va.	36.8	3,613	15.9	3,365	1,220	138.0	9,139	1,217	10,820	422	3,665	412
W. Va.	11.4	824	4.7	749	231	30.8	1,666	131	4,068	127	1,391	100
N.C.	41.1	2,752	16.6	2,471	790	112.7	6,942	601	14,757	456	5,996	464
S.C.	19.6	1,420	8.5	1,285	415	60.8	3,280	252	6,603	199	2,887	195
Ga.	36.9	3,454	16.0	3,164	1,048	133.6	7,824	929	11,844	388	4,826	495
Fla.	81.6	8,549	36.5	7,862	2,653	349.6	21,033	2,068	18,225	778	6,421	1,000
E.S.C.	92.7	6,910	38.1	6,211	2,022	274.6	16,307	1,714	31,423	1,003	12,319	1,047
Ky.	24.0	1,597	8.8	1,396	435	83.2	4,171	323	6,074	265	3,138	217
Tenn.	32.2	2,729	13.2	2,481	836	106.8	5,940	816	10,562	365	4,120	367
Ala.	21.9	1,696	10.0	1,548	511	88.1	3,851	416	7,516	298	3,096	277
Miss.	14.6	888	6.1	766	238	36.5	2,245	160	5,241	135	1,965	156
W.S.C.	180.9	16,828	74.1	15,437	5,074	612.1	40,066	4,829	53,548	1,848	23,501	2,112
Ark.	16.4	922	6.3	798	233	36.0	2,461	162	5,635	145	2,810	196
La.	27.5	2,941	12.0	2,712	858	106.4	5,507	699	6,162	255	3,219	295
Okla.	25.7	1,661	9.4	1,447	466	61.1	5,272	439	6,466	226	3,322	246
Tex.	111.3	11,404	46.4	10,480	3,517	406.6	26,816	3,429	31,285	1,222	14,350	1,375
Mt.	100.7	10,727	40.6	9,943	3,316	391.6	24,620	2,454	24,622	825	11,044	1,097
Mont.	8.0	449	3.0	386	114	17.8	1,413	68	2,067	52	1,035	72
Idaho	8.1	689	2.9	505	209	22.3	1,547	197	2,235	56	997	71
Wyo.	4.8	373	2.1	334	92	12.5	847	54	1,097	28	519	45
Colo.	30.1	2,481	11.7	2,246	757	94.3	8,007	696	7,567	242	3,036	324
N. Mex.	9.7	1,059	4.3	992	351	36.0	2,129	496	2,339	77	1,233	99
Ariz.	20.6	1,853	8.7	1,687	557	75.8	5,733	496	4,442	190	2,282	254
Utah	11.4	838	4.3	756	244	33.5	2,817	230	3,203	86	1,251	135
Nev.	6.0	3,105	3.6	3,037	992	99.3	2,027	217	1,872	92	691	97
Pac.	304.1	33,143	115.0	30,363	10,442	1,071.2	92,709	10,308	72,841	2,783	29,853	2,881
Wash.	34.4	2,984	13.2	2,726	892	98.2	8,299	923	8,176	301	3,715	386
Oreg.	23.1	1,752	8.7	1,565	507	65.4	5,532	476	5,999	208	2,670	262
Calif.	234.2	26,617	88.3	24,407	8,484	844.7	75,179	8,602	54,695	2,139	22,149	3,015
Alaska	4.4	514	1.6	469	169	13.5	1,349	134	644	32	455	54
Hawaii	8.0	1,276	3.3	1,216	390	49.4	2,351	173	1,927	83	864	164

¹Week including Mar. 12.

Source: U.S. Bureau of the Census, *Census of Service Industries, 1977*, Geographic Area Series, SC 77-A-1 through 52.

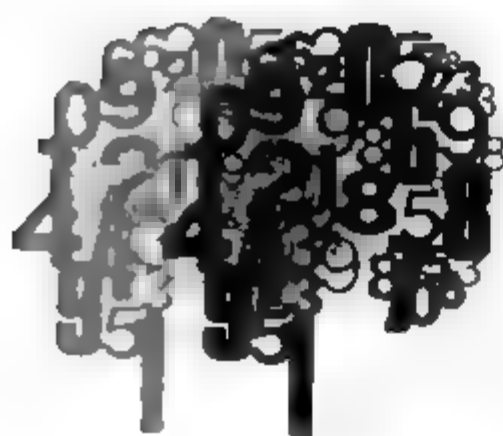
NO. 1455. TAX-EXEMPT AND SELECTED TAXABLE SERVICE INDUSTRIES—SUMMARY: 1977

[Covers taxable service industry establishments covered for the first time in the 1977 Census of Service Industries and also tax-exempt service industry establishments with payroll. Establishments indicating all or part of their income was exempt from Federal income tax under provisions of section 501 or 521 of the IRS code were classified as tax-exempt.]

KIND OF BUSINESS OR OPERATION	ALL ESTABLISHMENTS		ESTABLISHMENTS WITH PAYROLL				
	Number (1,000)	Receipts or expenses ¹ (mil. dol.)	Number (1,000)	Receipts or expenses ¹ (mil. dol.)	Payroll		
					Entire year (mil. dol.)	As percent of receipts or expenses ¹	Paid employees (1,000)
Taxable service industries	944.2	76,211.6	363.7	68,122.7	27,766.4	40.8	6,863.5
Arrangement of passenger transportation ²	19.4	1,727.3	13.2	1,569.8	631.5	39.8	146.7
Travel agencies	(NA)	(NA)	10.9	1,131.0	463.0	40.9	107.4
Tour operators	(NA)	(NA)	1.2	353.5	123.5	34.9	29.0
Rooming, boarding, and membership lodging	9.0	301.9	3.1	234.4	59.5	25.4	16.8
Rooming and boarding houses	(NA)	(NA)	2.4	182.6	46.0	25.2	13.3
Organization hotels, lodging houses, membership basis	(NA)	(NA)	7	51.8	13.5	26.1	3.5
Health service, exc. dental labs ³	433.8	58,181.9	272.4	54,645.9	22,379.8	41.0	5,234.0
Physicians offices	189.1	26,758.5	138.2	26,848.8	11,854.5	44.0	2,833.0
Dentist offices	99.3	10,007.2	62.7	9,528.7	3,043.9	31.9	727.1
Osteopathic physicians offices	5.9	776.3	5.2	755.0	307.7	40.8	72.9
Chiropractors offices	14.3	879.7	7.6	536.2	110.0	20.5	27.3
Optometrists offices	16.6	1,551.9	12.1	1,397.6	269.1	20.7	69.3
Nursing and personal care facilities	30.4	7,343.7	10.8	7,194.9	3,549.4	49.3	840.5
Skilled nursing care facilities	(NA)	(NA)	5.7	5,191.0	2,586.5	49.8	611.0
Hospitals	1.0	4,743.9	1.0	4,743.9	1,793.3	37.8	426.2
Gen. medical and surgical hospitals	(NA)	(NA)	8	4,261.6	1,595.1	37.3	380.3
Medical laboratories	5.4	1,510.7	4.4	1,484.9	593.0	39.9	142.6
Educational services ^{3*}	85.1	2,378.0	8.1	1,806.2	706.4	39.1	172.9
Elementary and secondary schools ³	(NA)	(NA)	2.2	273.1	144.5	52.9	36.2
Colleges, univ. prof. schools, junior colleges	(NA)	(NA)	1	150.6	69.1	45.9	16.2
Correspondence and vocational schools	(NA)	(NA)	2.8	841.0	302.2	35.9	72.6
Voc. schools, exc. voc. high, n.e.c. ⁴	(NA)	(NA)	1.5	436.4	152.9	35.0	36.1
Schools and educational serv., n.e.c. ⁴	(NA)	(NA)	4.0	531.5	185.7	34.9	44.3
Social services and misc. ^{3*}	396.6	13,722.6	68.8	9,536.3	3,990.2	40.8	963.2
Accounting, auditing, bookkeeping services	126.1	7,980.5	39.3	7,276.9	2,917.2	40.1	723.6
Social and other misc. services	270.7	5,732.1	29.4	2,259.4	1,072.9	41.9	259.5
Social services	(NA)	(NA)	23.1	2,038.5	865.9	42.5	208.1
Child day care services	(NA)	(NA)	14.2	759.6	338.8	44.6	85.3
Tax-exempt service industries ³	(X)	(X)	165.6	85,371.6	41,890.9	48.8	9,948.5
Sporting and recreational camps	(X)	(X)	.8	82.7	28.1	34.0	5.0
Organization hotels, lodging houses, oh membership basis	(X)	(X)	3.1	219.9	59.9	27.2	14.2
Miscellaneous business services	(X)	(X)	.4	1,214.4	594.7	49.0	146.7
Commercial research and dev. labs ³	(X)	(X)	3	1,148.2	555.3	48.4	131.4
Selected amusement, rec., services	(X)	(X)	7.1	2,130.1	940.3	44.1	198.8
Producers, orchestras, entertainers ³	(X)	(X)	1.2	524.1	245.7	46.9	61.5
Membership sports, rec. clubs ³	(X)	(X)	5.9	1,806.0	694.6	43.3	139.3
Health services ³	(X)	(X)	12.3	43,980.8	22,848.7	52.0	5,438.2
Hospitals	(X)	(X)	3.6	39,196.7	20,332.6	51.9	4,843.6
Legal aid societies and similar legal services	(X)	(X)	1.1	268.0	153.2	58.2	34.6
Educational services ^{3*}	(X)	(X)	8.2	14,036.3	7,224.4	51.5	1,783.4
Elementary and secondary schools ³	(X)	(X)	3.3	1,296.1	744.6	57.4	190.4
Colleges, univ. prof. schools, junior colleges	(X)	(X)	1.8	12,027.6	6,184.3	51.3	1,487.0
Social services ^{3*}	(X)	(X)	41.0	9,294.9	4,124.2	48.7	982.3
Individual and family social services	(X)	(X)	12.4	2,236.9	1,143.4	51.1	266.0
Job training, vocational rehabilitation services	(X)	(X)	3.4	1,048.4	610.7	58.3	139.9
Child day-care services	(X)	(X)	10.6	829.2	494.8	59.7	123.6
Residential care	(X)	(X)	5.6	1,857.4	880.8	47.4	209.6
Museums, art galleries, botanical, zoological gardens ³	(X)	(X)	2.9	613.1	267.0	43.5	62.4
Noncommercial	(X)	(X)	1.6	483.1	210.6	43.6	50.3
Museums, botanical, zoological gardens (commercial)	(X)	(X)	.4	130.0	56.3	43.3	12.1
Membership organiz., exc. religious ³	(X)	(X)	82.7	12,087.8	4,407.3	36.5	1,075.0
Business associates	(X)	(X)	11.7	2,308.4	821.8	35.6	200.8
Professional membership organization	(X)	(X)	4.9	1,264.6	432.3	33.7	104.7
Labor unions, similar labor organizations	(X)	(X)	23.4	3,468.4	1,309.7	37.6	316.6
Civic, social, fraternal associations	(X)	(X)	34.1	3,606.5	1,341.5	37.2	330.7
Noncommercial ed., scientific, research organizations	(X)	(X)	1.9	1,437.3	594.7	41.4	146.9

NA Not available X Not applicable ¹Pertains to receipts for taxable establishments and expenses for tax-exempt establishments ²For the week including March 12 ³Includes other kinds of businesses, not shown separately. ⁴For similar data on tax-exempt establishments, see below ⁵Excludes schools operated by religious organizations. ⁶N.e.c.—Not elsewhere classified ⁷For similar data on taxable establishments, see table 1463. ⁸For similar data on taxable establishments, see above

Source: U.S. Bureau of the Census, Census of Service Industries, 1977, Geographic Area Series, SC 77-A-63.



Section 31

Foreign Commerce and Aid

This section presents data on the flow of goods, services, and capital between the United States and other countries; changes in official reserve assets of the United States; international investments; foreign assistance programs; and import duties.

The Bureau of Economic Analysis publishes current figures on U.S. international transactions and the U.S. international investment position in its monthly *Survey of Current Business*. Figures for earlier periods are presented in *Balance of Payments—Statistical Supplement*, 1963 revised edition, in the periodic *Foreign Grants and Credits by the United States Government*, and in the June issues of the *Survey of Current Business*. Statistics for the foreign aid programs are presented by the Agency for International Development (AID) in its annual *U.S. Overseas Loans and Grants and Assistance from International Organizations*; and by the Department of Agriculture in its *Foreign Agricultural Trade of the United States*.

The principal source of merchandise import and export data is the Bureau of the Census. Current data are presented monthly in Report FT 135, *U.S. General Imports, Schedule A: Commodity by Country*; Report FT 410, *U.S. Exports, Schedule E: Commodity by Country*; and Report FT 990, *Highlights of U.S. Export and Import Trade*. The *Bureau of the Census Catalog* and the *Guide to Foreign Trade Statistics* lists the Bureau's monthly and annual reports in this field. In addition, the International Trade Administration and the Bureau of Economic Analysis present summary as well as selected commodity and country data for U.S. foreign trade in the *Overseas Business Reports* and the *Survey of Current Business*, respectively. The merchandise trade data in the latter source include balance of payments adjustments to the census data. The Treasury Department's *Annual Report of the Secretary* contains information on import duties.

International accounts.—The international transactions tables (Nos. 1466-1468) show, for given time periods, the transfer of goods, services, grants, and financial assets and liabilities between the United States and the rest of the world. The international investment position table (No. 1469) presents, for specific dates, the value of U.S. investments abroad and of foreign investments in the United States. The movement of foreign and U.S. capital as presented in the balance of payments is not the only factor affecting the total value of foreign investments. Among the other factors, are changes in the valuation of assets or liabilities, including securities, defaults, expropriations, and write-offs.

Direct investment abroad means ownership or control, direct or indirect, by one U.S. person or business enterprise of 10 percent or more of the voting securities of an incorporated foreign business enterprise or an equivalent interest in an unincorporated foreign business enterprise. Direct investment position is the yearend value of U.S. parents' claims on the equity of, and receivables due from, foreign affiliates less foreign affiliates' receivables due from the United States. Income consists of U.S. parents' shares in earnings (net of foreign income taxes) of their foreign affiliates plus net interest on intercompany accounts, less withholding taxes on dividends and interests.

Foreign aid.—Foreign assistance is divided into three major categories—grants (military supplies and services and other grants), credits, and other assistance (through net accumulation of foreign currency claims from the sale of agricultural commodities). *Grants* are transfers for which no payment is expected (other than a limited percentage of the foreign currency "counterpart" funds generated by the grant), or which at most involve an obligation on the part of the receiver to extend aid to the United States or other countries to achieve a common objective. *Credits* are loan disbursements or transfers under other agreements which give rise to specific obligations to repay, over a period of years, usually with interest. All known returns to the U.S. Government stemming from grants and credits (reverse grants, returns of grants, and payments of principal) are taken into account in net grants and net credits, but no allowance is made for interest or commissions. *Other assistance* represents the transfer of U.S. farm products in exchange for foreign currencies (plus, since enactment of Public Law 87-128, currency claims from principal and interest collected on

credits extended under the farm products program), less the Government's disbursements of the currencies as grants, credits, or for purchases. The net acquisition of currencies represents net transfers of resources to foreign countries under the agricultural programs, in addition to those classified as grants or credits.

Figures as published in the *Foreign Grants and Credits* series are not identical with figures shown for Government unilateral transfers and capital in the balance of payments, mainly because of differences in treatment of particular items by the two sets of accounts. Such items include contributions to the multilateral construction program of the North Atlantic Treaty Organization, government investments in certain productive enterprises abroad, government receipts on funded claims, and net changes in foreign currency holdings resulting from transactions other than those under the farm products program, such as collections of principal and interest and purchases for dollars.

The basic instrument for extending military aid to friendly nations has been the Mutual Defense Assistance Program authorized by the Congress in 1949. Prior to 1952, economic and technical aid was authorized in the Foreign Assistance Act of 1948, the 1950 Act for International Development, and other legislation which set up programs for specific countries. In 1952, these economic, technical, and military aid programs were combined under the Mutual Security Act, which in turn was followed by the Foreign Assistance Act passed in 1961. Appropriations to provide military assistance were also made in the Department of Defense Appropriation Act (rather than the Foreign Assistance Appropriation Act) beginning in 1966 for certain countries in Southeast Asia and in other legislation concerning programs for specific countries (such as Israel). Figures on activity under the Foreign Assistance Act as reported in the *Foreign Grants and Credits* series differ from data published by AID or its immediate predecessors, due largely to differences in reporting, timing, and treatment of particular items.

Exports.—The Bureau of the Census compiles export data primarily from Shipper's Export Declarations required to be filed with customs officials for shipments leaving the United States. They include U.S. exports under mutual security programs and exclude shipments to U.S. Armed Forces for their own use.

The value reported in the export statistics is generally equivalent to a free alongside ship (f.a.s.) value at the U.S. port of export, based on the transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation. This value, as defined, excludes the cost of loading merchandise aboard the exporting carrier and also excludes freight, insurance, and any other charges or transportation and other costs beyond the U.S. port of exportation. The country of destination is defined as the country of ultimate destination or country where the merchandise is to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. When ultimate destination is not known, the shipment is statistically credited to the last country to which the shipper knows the merchandise will be shipped in the same form as exported.

For certain low-valued shipments, the export statistics since July 1953 include estimates based upon selected samples of such shipments with lower and upper value limits of the sampled shipments varying (Canada excepted) from \$100–\$499 for July 1953–September 1969, \$251–\$499 for October 1969–February 1978, and \$501–\$999, for March 1979–June 1981. Effective July 1, 1981, the statistics for countries other than Canada reflect fully compiled data for shipments valued over \$500. For Canada, upper-value limits were raised to \$1,999 in January 1963, and lower-value to \$251 and \$501 in October 1969 and March 1979, respectively. Shipments valued below lower limits (under \$100, under \$251, and under \$501) for the different periods are estimated to represent about one percent of the total value of exports, and the \$501–\$1,999 shipments to Canada about one percent and the \$501–\$999 shipments to other countries about two percent.

Beginning January 1978, the Export Classification Schedule was based upon Schedule E, Standard International Trade Classification, Revision 2. This revision affects the comparability of some export statistics.

Imports.—The Bureau of the Census compiles import data from various customs forms required to be filed with customs officials. From 1974–1981, data on import values were presented on three bases: The transaction values f.a.s. (free alongside ship) at the foreign port of export, the c.i.f. (cost, insurance, and freight), and the previously reported customs import value (as appraised by the U.S. Customs Service in accordance with legal requirements of the Tariff Act of 1930, as amended). This latter valuation, primarily used for collection of import duties, frequently did not reflect the actual transaction value. Beginning 1982 import data are based on Customs values, i.e., the price paid by the buyer to the seller in accordance with the 1979 Trade Agreement Act amendments to the 1930 Tariff Act. For the c.i.f. imports, the new customs value was substituted for the arms-length transaction value used for 1981 and earlier years. The f.a.s. transaction values were discontinued as of January 1982. Country of origin is defined as country where the merchandise was grown, mined, or manufactured. If country of origin is unknown, country of shipment is reported.

Imports are classified either as "General Imports" or "Imports for Consumption." General imports are a combination of entries for immediate consumption and entries into customs bonded warehouses, and thus generally reflect total arrivals of merchandise. Imports for consumption are a combination of entries for immediate consumption and withdrawals from warehouses for consumption, and thus generally reflect the total of the commodities entered into U.S. consumption channels.

The import statistics include, since July 1953, estimates, not classified by commodity, for certain low-valued shipments. For July 1953–July 1965, entries valued under \$100, in general, were estimated, while entries valued under \$251 have been estimated since July 1965. The estimated low-valued shipments generally amount to less than one percent of the import total.

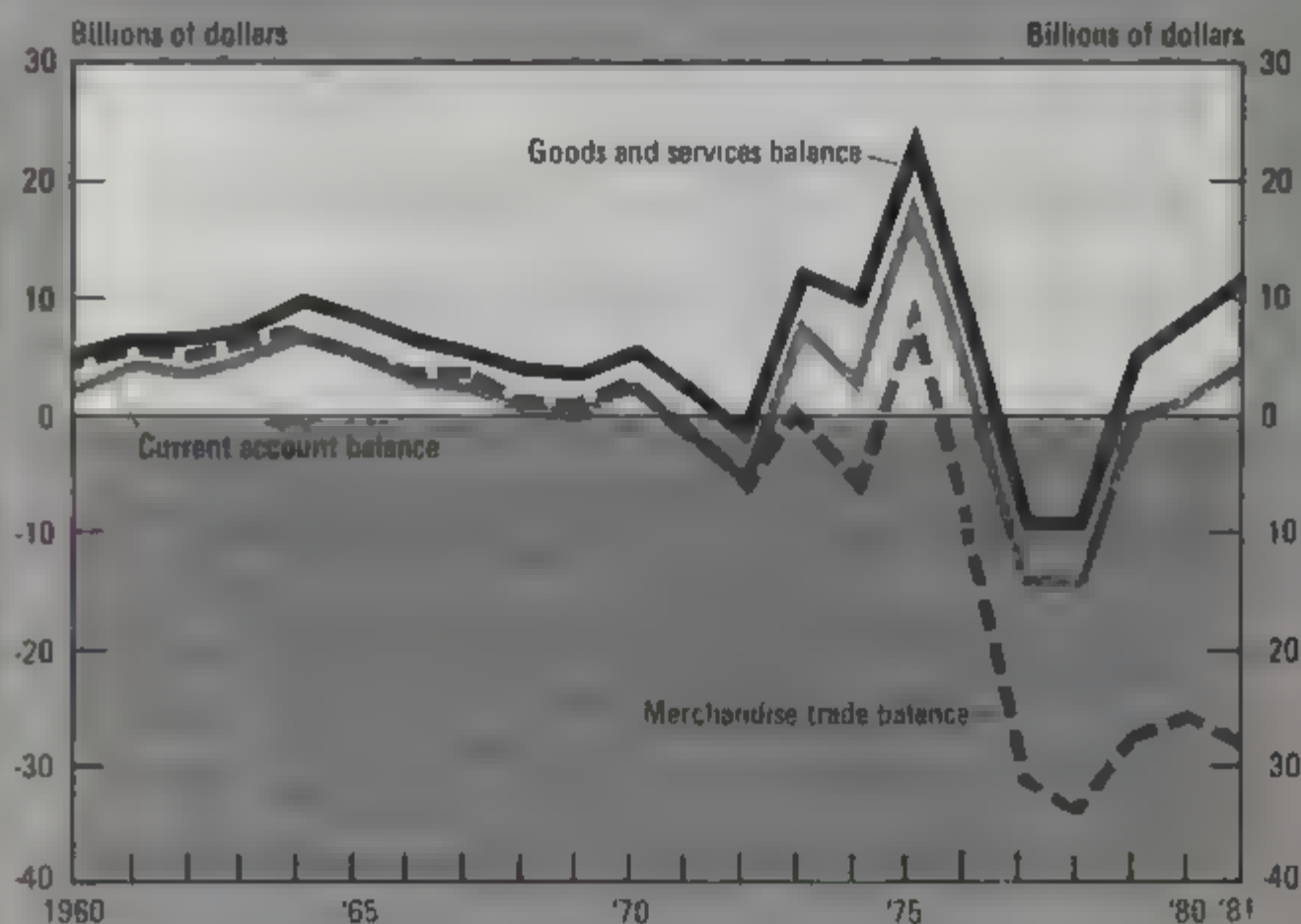
Area coverage.—Except as noted, the geographic area covered by the export and import trade statistics is the United States customs area, which includes the 50 States, the District of Columbia, and Puerto Rico. Beginning January 1981, data on the Virgin Islands' trade with foreign countries are included in all U.S. export and import statistics. Data for selected tables and total values for 1980, have been revised to reflect the Virgin Islands' trade with foreign countries where possible.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

Figure 31.1

U.S. International Transaction Balances: 1960 to 1981



Source. Chart prepared by U.S. Bureau of the Census. For data see table 1467

No. 1466. U.S. INTERNATIONAL TRANSACTIONS: 1960 TO 1981

[In millions of dollars. Minus sign (—) denotes debits. See also *Historical Statistics, Colonial Times to 1970*, series U 1-25]

TYPE OF TRANSACTION	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Exports of goods and services ¹	28,961	41,067	65,674	77,496	110,241	146,666	155,729	171,630	184,337	220,137	266,772	342,102	372,992
Merchandise, excl. military ²	19,650	26,461	42,469	49,381	71,410	96,306	107,066	114,745	120,816	142,054	184,473	224,237	236,264
Transfers under U.S. military agency sales contracts.....	335	830	1,501	1,364	2,559	3,379	4,049	5,454	7,351	7,973	6,549	8,306	9,747
Travel and transportation.....	2,701	3,826	6,000	7,095	8,852	10,833	11,576	13,718	14,780	17,185	20,625	24,137	27,327
Miscellaneous services.....	1,560	2,533	3,957	4,891	5,611	6,561	7,666	8,426	9,211	10,680	10,996	12,739	13,619
Income on U.S. assets abroad.....	4,616	7,437	11,747	14,764	21,808	27,587	25,351	29,286	32,179	42,245	64,129	72,686	85,945
Direct investment.....	3,621	5,506	8,169	10,949	16,542	19,157	16,595	18,999	19,673	25,458	38,183	37,150	31,873
Interest, dividends, and earnings of unincorporated affiliates.....	2,355	3,963	4,982	6,416	8,364	11,379	8,547	11,303	13,277	14,115	19,219	20,133	16,894
Reinvested earnings of incorporated affiliates.....	1,286	1,543	3,177	4,532	8,158	7,777	8,046	7,696	6,396	11,343	18,965	17,017	12,978
Other private receipts.....	646	1,421	2,671	2,949	4,330	7,356	7,844	8,955	10,881	14,944	23,654	32,967	50,407
U.S. Government receipts.....	349	510	907	866	936	1,074	1,112	1,332	1,625	1,843	2,292	2,549	3,665
Transfers of goods and services under U.S. military grants, net.....	1,696	1,636	2,713	4,492	2,810	1,618	2,207	373	203	236	465	631	602
Imports of goods and services.....	— 23,729	— 32,801	— 60,050	— 79,436	— 99,219	— 137,367	— 132,836	— 162,246	— 193,786	— 229,890	— 281,677	— 333,900	— 361,813
Merchandise, excl. military ²	— 14,758	— 21,510	— 39,866	— 55,797	— 70,499	— 103,649	— 98,041	— 124,051	— 151,689	— 175,813	— 211,819	— 249,575	— 264,143
Direct defense expenditures.....	— 3,067	— 2,952	— 4,855	— 4,784	— 4,629	— 5,032	— 4,795	— 4,895	— 5,823	— 7,362	— 8,584	— 10,777	— 11,286
Travel and transportation.....	— 3,665	— 5,106	— 8,038	— 10,158	— 12,010	— 14,017	— 14,368	— 16,276	— 18,073	— 20,310	— 23,054	— 25,077	— 27,558
Miscellaneous services.....	— 961	— 1,146	— 1,777	— 2,125	— 2,427	— 2,575	— 3,068	— 3,715	— 3,987	— 4,725	— 5,306	— 5,595	— 5,917
Income on foreign assets in U.S.....	— 1,237	— 2,088	— 5,516	— 6,572	— 9,655	— 12,084	— 12,564	— 13,311	— 14,217	— 21,680	— 32,914	— 42,776	— 52,908
Direct investment.....	— 394	— 657	— 875	— 1,284	— 1,610	— 1,331	— 2,234	— 3,110	— 2,834	— 4,211	— 6,357	— 9,470	— 7,806
Interest, dividends, and earnings of unincorporated affiliates.....	— 220	— 299	— 441	— 715	— 699	— 266	— 1,046	— 1,451	— 1,248	— 1,628	— 2,402	— 3,303	— 3,706
Reinvested earnings of incorporated affiliates.....	— 174	— 358	— 434	— 569	— 910	— 1,065	— 1,189	— 1,659	— 1,586	— 2,583	— 3,955	— 6,167	— 4,099
Other private payments.....	— 511	— 942	— 3,617	— 2,604	— 4,209	— 6,491	— 5,788	— 5,661	— 5,841	— 8,795	— 15,481	— 20,794	— 28,352
U.S. Government payments.....	— 332	— 489	— 1,024	— 2,684	— 3,836	— 4,262	— 4,542	— 4,520	— 5,542	— 8,674	— 11,076	— 12,512	— 16,748
U.S. military grants of goods and services, net.....	— 1,696	— 1,636	— 2,713	— 4,492	— 2,810	— 1,618	— 2,207	— 373	— 203	— 236	— 465	— 631	— 602
Unilateral transfers (excl. military grants), net.....	— 2,306	— 2,854	— 3,294	— 3,854	— 3,881	— 7,186	— 4,613	— 4,996	— 4,617	— 5,030	— 5,561	— 6,783	— 6,906
U.S. Government grants.....	— 1,672	— 1,808	— 1,736	— 2,173	— 1,938	— 5,475	— 2,894	— 3,148	— 2,787	— 3,176	— 3,550	— 4,681	— 4,504
U.S. Govt. pensions, private remittances, other transfers.....	— 637	— 1,046	— 1,558	— 1,681	— 1,943	— 1,711	— 1,719	— 1,851	— 1,830	— 1,854	— 2,012	— 2,101	— 2,104
U.S. assets abroad, net (increase/capital outflow (—)).....	— 4,099	— 5,716	— 9,337	— 14,497	— 22,874	— 34,746	— 39,703	— 51,299	— 34,789	— 61,130	— 64,344	— 86,026	— 109,294
U.S. official reserve assets, net.....	2,145	1,225	2,481	— 4	158	— 1,467	— 849	— 2,568	— 375	— 732	— 1,133	— 8,155	— 5,175
U.S. Govt. assets, other than official reserve assets, net.....	— 1,100	— 1,605	— 1,589	— 1,568	— 2,644	— 366	— 3,474	— 4,214	— 3,693	— 4,680	— 3,743	— 5,126	— 5,137
U.S. loans and other long-term assets.....	— 1,214	— 2,463	— 3,293	— 3,819	— 4,638	— 5,001	— 5,941	— 6,943	— 6,445	— 7,470	— 7,676	— 9,854	— 9,710
Repayments on U.S. loans ³	642	874	1,721	2,086	2,596	— 4,826	2,475	2,596	2,719	2,941	3,908	4,459	4,370
U.S. foreign currency holdings and U.S. short-term assets, net.....	— 528	— 16	— 16	165	— 602	— 541	— 9	133	33	— 131	25	269	204

U.S. private assets, net	-5,144	-5,336	-10,229	-12,925	-20,388	-33,843	-35,380	-44,496	-30,717	57,202	59,469	-72,746	-98,982
Direct investments abroad	2,940	5,011	7,590	-7,747	11,353	9,052	14,244	11,949	-11,890	-16,056	-25,222	19,238	8,891
Equity and intercompany accounts	-1,874	-3,468	-4,413	-3,214	-3,186	-1,275	-6,196	-4,253	5,484	4,713	6,256	-2,221	4,287
Reinvested earnings of incorporated affiliates	1,268	1,643	3,177	-4,532	-8,158	-7,777	8,048	7,696	6,396	-11,343	-18,985	-17,017	-12,978
Foreign securities	-683	-759	-1,076	-816	-671	1,054	-8,247	-8,885	-5,460	3,626	4,726	-3,524	-5,429
U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-384	341	-566	-1,054	-2,363	-3,221	-1,357	-2,296	-1,940	3,853	3,307	-3,146	-381
U.S. claims reported by U.S. banks, n.i.e. ^a	-1,148	93	-967	-3,506	-5,980	-19,516	-13,532	-21,366	-11,427	-33,867	-26,213	-48,838	-84,531
Long-term	-163	-232	165	-1,307	-933	1,183	-2,357	-2,362	-751	(NA)	(NA)	(NA)	(NA)
Short-term	-985	325	-1,122	-2,199	-5,047	-16,333	-11,175	-19,008	-1,661	(NA)	(NA)	(NA)	(NA)
Foreign assets in the U.S., net (increases/ capital inflow (+))	2,294	742	6,388	21,461	18,388	34,341	15,679	38,518	51,319	84,086	38,488	64,484	77,881
Foreign official assets in the U.S., net	1,473	134	6,908	10,475	8,026	10,546	7,027	17,693	36,816	33,678	-13,697	15,442	4,765
Other foreign assets in the U.S., net	821	607	-550	10,986	12,362	23,895	8,653	18,826	14,503	30,358	52,157	39,042	73,136
Direct investments in U.S.	316	418	1,484	949	2,800	4,760	2,603	4,347	3,728	7,697	11,677	13,898	21,301
Equity and intercompany accounts	141	67	1,030	380	1,800	3,695	1,414	2,867	2,142	5,313	7,621	7,500	17,201
Reinvested earnings of incorporated affiliates	174	358	434	566	910	1,656	1,186	1,656	1,586	2,563	3,955	6,167	4,060
U.S. Treasury securities	-364	-131	81	-38	-218	697	2,690	2,763	534	2,176	4,980	2,645	2,652
U.S. securities other than U.S. Treasury securities	262	368	2,189	4,507	4,041	376	2,503	1,264	2,437	2,254	1,351	5,457	7,109
U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	90	176	2,014	616	1,035	1,844	319	-576	1,086	1,889	1,362	6,530	532
U.S. liabilities reported by U.S. banks, n.i.e. ^a	678	503	-6,296	4,754	4,702	18,017	828	10,960	6,719	16,141	32,607	10,743	41,262
Long-term	6	241	23	149	227	8	-280	231	373	(NA)	(NA)	(NA)	(NA)
Short-term	672	262	-6,321	4,605	4,475	18,008	908	10,759	6,346	(NA)	(NA)	(NA)	(NA)
Allocations of special drawing rights	-	-	667	710	-	-	-	-	-	-	1,128	1,152	1,088
Statistical discrepancy (sum of above items with sign reversed)	-1,018	-498	-219	-1,879	-2,654	1,620	5,753	10,367	-2,405	11,888	25,212	28,870	25,809

- Represents zero. NA Not available. ^aExcludes transfers of goods and services under U.S. military grant programs. ^bExcludes exports of goods under U.S. military agency sales contracts identified in Bureau of the Census export documents, excludes imports of goods under direct defense expenditures identified in Census import documents, and reflects various other adjustments (for valuation, coverage, and timing) of census statistics to a balance of payments basis. ^cIncludes extraordinary U.S. Govt. transactions with India. ^dIncludes sales of foreign obligations to foreigners. ^eNot included elsewhere. ^fIncludes foreign currency notes sold to private residents abroad.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1982.

NO. 1467. U.S. INTERNATIONAL TRANSACTIONS—SUMMARY: 1960 TO 1982

[In billions of dollars. Reserve assets are for end of period. Minus sign (—) denotes debit. See headnote, table 1466]

YEAR	Mer- chandise trade balance ¹	Net invest- ment income	Net mili- tary trans- ac- tions	Net travel and trans- porta- tion re- ceipts	Other serv- ices, net	Bal- ance on goods and serv- ices	Uni- lateral trans- fers ¹	Bal- ance or cur- rent ac- count ²	Net for- eign as- sets in U.S.	Net U.S. assets abroad	Net U.S. offi- cial re- serve as- sets
1960.....	4.9	3.4	-2.8	-1.0	.6	5.1	-2.3	2.8	2.3	-4.1	19.4
1965.....	5.0	5.3	-2.1	-1.3	1.4	8.3	-2.9	5.4	.7	-5.7	15.5
1966.....	3.8	5.0	-2.9	-1.3	1.4	6.0	-2.9	3.0	3.7	-7.3	14.9
1967.....	3.8	5.3	-3.2	-1.8	1.6	5.7	-3.1	2.6	7.4	-9.8	14.8
1968.....	.6	6.0	-3.1	-1.5	1.6	3.6	-3.0	.6	9.9	-11.0	15.7
1969.....	.6	6.0	-3.3	-1.8	1.8	3.4	-3.0	.4	12.7	-11.6	17.0
1970.....	2.6	6.2	-3.4	-2.0	2.2	5.6	-3.3	2.3	6.4	-9.3	14.5
1971.....	-2.3	7.3	-2.9	-2.3	2.5	2.3	-3.7	-1.4	23.0	-12.5	12.2
1972.....	-6.4	8.2	-3.4	-3.1	2.8	-1.9	-3.9	-5.8	21.5	-14.5	13.2
1973.....	.9	12.2	-2.1	-3.2	3.2	11.0	-3.9	7.1	18.4	-22.9	14.4
1974.....	-5.3	15.5	-1.7	-3.2	4.0	9.3	-7.2	2.1	34.2	-34.7	15.9
1975.....	9.0	12.8	-.7	-2.8	4.6	22.9	-4.6	18.3	15.7	-39.7	16.2
1976.....	-9.3	16.0	.6	-2.6	4.7	9.4	-5.0	4.4	36.5	-51.3	18.7
1977.....	-30.9	18.0	1.5	-3.3	5.2	-9.5	-4.6	-14.1	51.3	-34.8	19.3
1978.....	-33.8	20.6	.6	-3.1	6.0	-9.7	-5.0	-14.8	64.0	-61.1	18.7
1979.....	-27.3	31.2	-2.0	-2.4	5.7	5.1	-5.6	-.5	38.5	-64.3	19.0
1980.....	-25.3	29.9	-2.5	-.9	7.1	8.3	-6.8	1.5	54.5	-86.0	26.8
1981.....	-27.9	33.0	-1.5	-.2	7.7	11.1	-6.6	4.5	77.9	-109.3	30.1
1982: 1st qtr.....	-6.1	7.0	.2	-	2.0	3.2	-2.0	1.2	25.8	-38.2	29.9

- Represents zero. ¹Excludes military grants. ²Current account balance=Balance on goods and services minus unilateral transfers.Source: U.S. Council of Economic Advisers, *Economic Indicators*, monthly; and *Economic Report of the President*, annual. Data from U.S. Bureau of Economic Analysis and U.S. Dept. of the Treasury.

NO. 1468. U.S. BALANCES ON INTERNATIONAL TRANSACTIONS, BY AREAS AND SELECTED COUNTRIES: 1979 TO 1981

[In millions of dollars. Balances by area have some shortcomings due to statistical discrepancies including errors, omissions, and incorrect area attributions. Minus sign (—) denotes debits]

AREA OR COUNTRY	1979, BALANCE ON—			1980, BALANCE ON—			1981, BALANCE ON—		
	Mer- chandise trade ¹	Goods and services	Current account	Mer- chandise trade ¹	Goods and services	Current account	Mer- chandise trade ¹	Goods and services	Current account
All areas.....	-27,346	5,095	-466	-25,338	8,302	1,520	-27,899	11,079	4,471
European Economic Community ²	9,246	11,263	11,699	17,369	17,425	18,147	9,927	7,490	7,930
United Kingdom.....	2,677	6,099	6,316	2,970	5,343	5,635	-327	3,341	3,601
Belgium-Luxembourg.....	3,483	4,475	4,466	4,761	5,530	5,517	3,406	3,579	3,564
France.....	850	1,156	1,110	2,277	2,791	2,746	1,546	1,075	1,031
Germany.....	-2,259	-4,762	-4,236	-243	-3,788	-3,048	-858	-5,094	-4,449
Italy.....	-484	-594	-787	1,297	1,705	1,515	231	51	-152
Netherlands.....	4,484	3,936	3,924	5,559	4,259	4,248	5,053	3,100	3,087
Other Western Europe.....	3,105	2,646	2,138	2,979	2,084	1,419	2,290	1,618	1,213
Eastern Europe.....	4,017	4,385	4,295	2,699	3,142	3,030	2,909	3,507	3,392
Canada.....	-330	8,878	8,720	-1,071	7,660	7,461	-2,066	7,204	7,011
Latin America, other Western Hemisphere.....	-1,960	7,391	6,366	1,320	14,048	12,880	3,705	21,513	20,306
Japan ³	-8,632	-8,677	-8,746	-10,411	-8,930	-8,997	-15,802	-14,031	-14,112
Australia, South Africa ⁴	-59	2,220	2,178	584	3,693	3,635	3,390	6,578	6,519
Other Asia and Africa.....	-31,527	-20,772	-24,531	-37,520	-28,603	-33,062	-32,265	-22,173	-26,374
Int'l. and unallocated.....	-1,186	-2,239	-2,585	-1,287	-2,214	-2,991	23	-625	-1,415

¹Adjusted to balance of payments basis; excludes exports under U.S. military sales contracts and imports under direct defense expenditures. ²Includes Denmark, Greece, Ireland, European Atomic Energy Community, European Coal and Steel Community and European Investment Bank, not shown separately. ³Includes Ryukyu Islands. ⁴Includes New Zealand.Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1982.

No. 1469. INTERNATIONAL INVESTMENT POSITION, 1950 TO 1981, AND BY SELECTED AREAS, 1981

[In billions of dollars. Estimates for end of year, subject to considerable error due to nature of basic data. Direct investments at book value; other types at market or face values. See *Historical Statistics, Colonial Times to 1970*, series U 26-39, for similar data]

TYPE OF INVESTMENT	1950	1955	1960	1965	1970	1971	1972	1973	1974
U.S. net international investment position...	36.7	37.2	44.7	61.6	58.8	56.1	49.6	47.6	58.3
U.S. assets abroad	54.4	65.1	85.6	120.4	165.5	179.5	199.5	222.5	255.7
U.S. official reserve assets	24.3	22.6	19.4	15.5	14.5	12.2	13.2	14.4	15.9
U.S. Government assets, other	11.1	13.1	17.0	23.5	32.1	34.2	36.1	38.8	38.4
U.S. private assets	19.0	29.1	49.2	81.4	118.8	133.1	150.3	159.3	201.5
Foreign assets in U.S.	17.6	27.8	40.9	58.8	106.6	123.3	149.9	174.9	197.4
Foreign official assets	(NA)	(NA)	12.4	18.6	26.1	52.5	63.2	68.6	60.3
Other foreign assets	(NA)	(NA)	28.5	42.0	80.7	70.9	86.7	105.3	117.1

TYPE OF INVESTMENT	1975	1976	1977	1978	1979	1980	1981			
							Total ¹	Western Europe	Canada	Latin America ²
U.S. net international investment position...	74.6	83.8	71.3	77.5	94.9	121.6	180.3	-49.9	65.9	102.4
U.S. assets abroad	295.1	347.2	379.1	447.9	510.6	606.9	717.4	202.6	104.7	208.9
U.S. official reserve assets	16.2	18.7	19.3	18.6	19.0	26.8	30.1	7.7	(2)	-
U.S. Government assets, other	41.8	46.0	49.8	54.2	58.4	63.5	68.5	10.9	4	12.2
U.S. loans and other long-term assets	38.8	44.1	47.8	52.3	56.5	61.9	67.2	10.6	4	12.2
U.S. foreign currency holdings and short-term assets	2.0	1.6	1.6	1.9	1.9	1.7	1.3	2	(2)	(2)
U.S. private assets	237.1	282.4	310.2	375.0	433.2	516.8	618.8	184.0	104.3	194.7
Direct investments abroad	124.0	138.6	146.0	162.7	187.9	215.6	227.3	88.7	47.0	36.9
Foreign securities	34.9	44.2	49.4	53.4	61.1	62.5	62.9	13.5	36.1	1.5
U.S. claims on unaffiliated foreigners ³	18.3	20.3	22.3	26.1	31.5	34.7	35.0	9.8	7.2	11.9
U.S. claims reported by U.S. banks ⁴	59.6	81.1	82.6	130.8	157.0	203.9	293.5	72.0	14.0	142.6
Foreign assets in the U.S.	220.5	263.4	307.6	370.4	415.7	485.3	557.1	252.5	38.7	104.6
Foreign official assets in the U.S. ⁵	66.9	104.2	140.6	172.9	159.7	175.8	180.1	66.5	2.6	7.1
U.S. Government securities	63.6	72.6	105.4	126.5	106.6	118.2	125.1	(7)	(7)	(7)
Other U.S. Government liabilities	4.2	8.8	10.2	12.5	12.6	13.1	13.1	2.5	2	3
U.S. liabilities reported by U.S. banks ⁶	16.3	17.2	18.0	23.3	30.5	30.4	26.3	(7)	(7)	(7)
Other foreign assets in the U.S.	133.6	159.1	167.0	197.5	256.0	309.4	377.1	166.0	36.2	97.5
Direct investments	27.7	30.8	34.6	42.5	54.5	68.4	89.6	57.7	12.2	6.4
U.S. securities ⁷	46.3	54.9	51.2	53.6	58.6	74.1	75.3	52.6	12.6	4.5
U.S. liabilities to unaffiliated foreigners ⁸	13.9	13.0	13.4	14.9	18.4	29.8	28.9	11.1	2.1	4.5
U.S. long-term liabilities ⁹	9	1.1	1.5	7.7	110.3	121.1	184.7	(17)	(17)	(17)
U.S. short-term liabilities ¹⁰	41.6	52.4	56.7	77.7	110.3	121.1	184.7	(17)	(17)	(17)
U.S. Treasury securities	4.2	7.0	7.6	11.6	14.2	16.1	18.5	(17)	(17)	(17)

- Represents zero. NA Not available. Z Less than \$50 million. ¹Includes holdings of international and regional organizations that were shifted to "other foreign assets" in subsequent periods. ²Includes other countries, international organizations, unaffiliated, not shown separately. ³Includes other Western Hemisphere. ⁴Reported by U.S. nonbanking concerns. ⁵Not included elsewhere. ⁶Includes assets not shown separately. ⁷Data included in "Foreign official assets in the U.S." ⁸Excludes U.S. Treasury securities. ⁹Reported by U.S. banks. ¹⁰Data included in "Other foreign assets in the U.S." ¹¹Includes U.S. Treasury notes denominated in foreign currencies, sold through foreign central banks to domestic residents in country of issue; these notes are subject to restricted transferability.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, various monthly issues.

No. 1470. U.S. RESERVE ASSETS: 1960 TO 1982

[In billions of dollars. As of end of year, except 1982 for June]

TYPE	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	19.4	15.5	14.5	14.4	15.9	18.2	18.7	19.3	18.7	18.9	26.8	30.1	30.7
Gold stock ¹	17.8	13.8	11.1	11.7	11.7	11.6	11.6	11.7	11.7	11.2	11.2	11.2	11.1
Special drawing rights	-	-	0	2.2	2.4	2.3	2.4	2.6	1.6	2.7	2.6	4.1	4.6
Foreign currencies	-	.6	.6	(2)	(2)	1	.3	(2)	4.4	3.6	10.1	9.8	9.0
Reserve position in IMF ²	1.6	.9	1.9	.6	1.9	2.2	4.4	4.9	1.0	1.3	2.6	5.1	6.1

- Represents zero. Z Less than \$50 million. ¹Includes gold in Exchange Stabilization Fund; excludes gold held under earmark at Federal Reserve banks for foreign and international accounts. Beginning 1974, gold assets were valued at \$42.22 pursuant to the amending of Section 2 of the Par Value Modification Act, PL-93-110, approved September 21, 1973. ²International Monetary Fund.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, and Department of the Treasury, *Treasury Bulletin*, monthly.

NO. 1471. FOREIGN DIRECT INVESTMENT IN THE U.S.—VALUE, BY AREA AND INDUSTRY: 1960 TO 1981

(In millions of dollars. Book value at year end. Prior to 1974, covers U.S. firms, including real estate investments in which foreign interest or ownership was 25 percent or more; thereafter, ownership of 10 percent or more. See also *Historical Statistics, Colonial Times to 1970*, series U 47-74.)

AREA AND INDUSTRY	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, Prel.
All areas ¹	5,910	8,797	13,270	25,144	27,862	30,770	34,595	42,471	54,482	66,351	86,738
Petroleum	1,236	1,710	2,992	5,814	6,213	5,921	6,573	7,762	9,906	12,363	17,813
Manufacturing	2,811	3,478	6,140	10,387	11,388	12,820	14,030	17,202	20,876	25,159	29,533
Finance and insurance	1,810	2,189	2,258	2,723	3,152	2,943	4,544	5,231	7,575	10,365	13,344
Trade, wholesale and retail	834	748	994	4,367	4,844	6,123	7,237	9,161	11,562	14,296	17,734
Canada	1,834	2,388	3,117	5,138	5,352	6,907	8,880	8,180	7,164	10,074	12,212
Petroleum	203	208	190	547	596	676	710	723	943	1,306	1,547
Manufacturing	932	1,219	1,838	2,905	3,061	3,386	3,077	3,213	3,815	5,199	5,787
Finance and insurance	246	370	324	311	341	422	387	387	505	852	1,314
Europe	4,707	8,078	9,554	16,766	18,584	20,182	23,754	29,180	37,403	45,731	57,706
Petroleum	1,028	1,478	2,777	4,714	5,478	4,999	5,523	8,568	8,010	9,766	14,822
Manufacturing	1,811	2,167	4,091	6,109	6,673	7,426	9,267	11,717	13,952	16,064	19,016
Finance and insurance	1,504	1,724	1,805	1,829	2,068	2,637	3,076	3,575	5,529	7,606	6,716
United Kingdom	2,248	2,652	4,127	5,744	6,331	5,802	6,397	7,638	9,796	12,242	15,527
Petroleum	339	511	1,220	1,502	(D)	602	488	482	199	311	212
Manufacturing	722	839	1,391	1,792	1,833	1,993	2,305	3,014	3,547	5,010	5,810
Finance and insurance	953	1,178	1,141	854	832	1,211	1,425	1,596	2,432	3,222	4,610
Netherlands	947	1,304	2,151	4,896	5,347	6,255	7,830	10,078	12,672	16,909	20,177
Petroleum	639	887	1,311	(D)	(D)	(D)	(D)	5,041	6,478	8,340	10,446
Manufacturing	213	328	652	1,213	1,345	1,500	2,237	3,058	3,482	4,058	4,604
Switzerland	773	840	1,645	1,949	2,138	2,295	2,651	2,879	3,449	3,870	4,388
Manufacturing	427	590	1,147	1,222	1,308	1,357	1,789	1,949	2,261	2,326	2,731
Finance and insurance	300	303	351	263	265	(D)	486	519	598	833	866
Other Europe	736	980	1,731	4,366	4,788	5,810	6,876	8,585	11,486	12,710	17,633
Petroleum	50	80	246	(D)	484	(D)	(D)	1,028	1,314	1,707	4,359
Manufacturing	249	410	901	1,882	2,187	2,805	2,956	3,695	4,832	4,670	5,771
Finance and insurance	209	209	255	442	445	(D)	592	724	1,379	1,711	2,131
Japan	289	118	229	345	581	1,178	1,755	2,748	2,493	4,225	6,887
Other areas	299	214	370	2,907	3,136	3,523	3,436	4,362	8,412	8,322	12,865

D Withheld to avoid disclosure of data of individual companies. ¹Area totals include industries not shown separately. ²Direct investments (in millions of dollars): Belgium and Luxembourg, 2,176; France, 5,844; Germany, Fed. Rep., 7,067; Italy, 188; and Sweden, 1,402.

Source: U.S. Bureau of Economic Analysis, *Foreign Business Investments in the United States, 1962*; and *Survey of Current Business*, August 1982, and earlier issues.

NO. 1472. U.S. AFFILIATES OF FOREIGN COMPANIES—ASSETS, SALES, EMPLOYMENT, LAND, EXPORTS, AND IMPORTS: 1979

(A U.S. affiliate is a U.S. business enterprise in which one foreign owner (individual, branch, partnership, association, trust, corporation, or government) has a direct or indirect voting interest of 10 percent or more. Based on a sample survey of nonbank affiliates with assets, sales, or net income of \$5 million or more or that owns at least 200 acres of U.S. land.)

INDUSTRY	Total assets (mil. dol.)	Sales ¹ (mil. dol.)	Employment ² (1,000)	Employee compensation (mil. dol.)	GROSS BOOK VALUE		Land owned (1,000 acres)	Merchandise exports ³ (mil. dol.)	Merchandise imports ⁴ (mil. dol.)
					Plant and equipment ⁵ (mil. dol.)	Land (mil. dol.)			
Total	214,190	312,302	1,842	29,925	98,598	7,129	5,995	42,993	58,251
Agriculture and forestry	1,153	858	8	119	332	443	(D)	22	3
Mining	4,067	2,143	19	479	3,018	325	440	778	149
Petroleum	38,827	41,617	107	2,739	33,343	943	(D)	1,074	7,753
Manufacturing	61,837	76,913	918	17,037	32,982	2,131	1,823	5,996	9,545
Chemicals and allied products	19,470	20,879	232	4,510	13,123	775	256	1,363	1,294
Wholesale trade	41,849	151,482	174	3,308	4,912	394	(D)	34,602	41,394
Motor vehicles and auto parts and supplies	6,871	26,309	26	534	1,073	70	4	(D)	13,384
Farm-product raw materials	6,906	41,721	29	554	1,086	111	(D)	22,165	6,309
Retail trade	6,831	19,328	227	2,730	3,292	196	4	416	415
Finance, except banking	16,227	2,279	10	336	99	25	6	2	(D)
Insurance	26,925	9,959	45	748	386	132	3	-	(Z)
Real estate	9,373	2,403	20	354	4,724	2,284	749	1	-
Other	7,200	6,511	115	1,973	3,509	249	127	153	(D)

- Represents zero. D Withheld to avoid disclosure of data of individual companies. Z Less than \$500,000. ¹Excludes returns, discounts, allowances, and sales and excise taxes. ²Average number of full-time and part-time employees. ³Includes other property, value of mineral rights owned and capitalized value of mineral rights leased. ⁴F.A.S. value at port of exportation.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1981

**No. 1473. U.S. BUSINESSES ACQUIRED OR ESTABLISHED BY FOREIGN DIRECT INVESTORS, BY
INDUSTRY OF U.S. BUSINESS ENTERPRISE: 1980 AND 1981**

[Foreign direct investment is the ownership or control, directly or indirectly, by one foreign individual branch, partnership, association, trust, corporation, or government of 10 percent or more of the voting securities of a U.S. business enterprise or an equivalent interest in an unincorporated one. Data represent number and full cost of acquisitions of existing U.S. business enterprises, including business segments or operating units of existing U.S. business enterprises and establishments of new enterprises. Investments may be made by the foreign direct investor itself, or indirectly by an existing U.S. affiliate of the foreign direct investor. Covers investments in U.S. business enterprises with assets of over \$500,000 in 1980 and over \$1 million in 1981, or ownership of 200 acres of U.S. land. Excludes construction and services industries]

INDUSTRY	1980						1981, prel.					
	Investments			Investors			Investments			Investors		
	Total	Acqui- sition	Estab- lish- ments	Total	For- eign direct inves- tors	U.S. affili- ates	Total	Acqui- sition	Estab- lish- ments	Total	For- eign direct inves- tors	U.S. affili- ates
NUMBER OF INVESTMENTS ¹												
Total.....	1,619	721	898	1,833	1,198	645	875	322	553	990	630	360
Agriculture and forestry..	145	28	117	154	131	23	98	14	84	103	79	24
Mining.....	17	11	6	17	6	11	11	9	2	11	2	9
Petroleum.....	56	23	33	66	36	30	52	24	28	59	31	28
Manufacturing.....	230	190	40	258	95	163	138	115	23	153	58	95
Wholesale trade.....	48	37	11	53	27	26	24	17	7	27	12	15
Retail trade.....	34	23	11	35	11	24	17	14	3	17	10	7
Banking.....	37	26	11	37	16	21	18	9	9	22	16	6
Finance, except banking.....	29	9	20	33	21	12	15	4	11	15	8	7
Insurance.....	16	11	5	17	7	10	7	5	2	8	5	3
Real estate.....	912	301	611	1,060	781	279	440	74	366	516	383	133
Other.....	95	62	33	103	57	46	55	37	18	59	26	33
INVESTMENT OUTLAYS (mil. dol.)												
Total.....	12,172	8,974	3,198	12,172	4,129	8,043	19,240	16,683	2,558	19,240	4,273	14,967
Agriculture and forestry..	318	109	209	318	221	97	255	102	153	255	133	122
Mining.....	(D)	144	(D)	(D)	59	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Petroleum.....	788	705	83	788	81	686	1,684	1,590	94	1,684	281	1,402
Manufacturing.....	3,629	3,467	162	3,629	696	2,933	7,310	7,213	97	7,310	763	6,547
Wholesale trade.....	281	268	14	281	70	211	312	240	72	312	87	224
Retail trade.....	940	913	27	940	23	917	415	411	4	415	338	77
Banking.....	454	421	33	454	336	118	978	903	75	978	708	270
Financing, exc. banking..	486	406	80	486	84	402	686	575	112	686	101	586
Insurance.....	516	498	18	516	104	412	(D)	(D)	(D)	(D)	(D)	(D)
Real estate.....	3,483	1,719	1,763	3,483	2,297	1,185	2,088	461	1,627	2,088	1,201	886
Other.....	(D)	323	(D)	(D)	156	(D)	3,942	3,779	164	3,942	403	3,540

D Withheld to avoid disclosure of individual companies. ¹Excludes 1,116 investments in 1980, and 1,854 in 1981 that do not meet asset or acreage criteria in headnote.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1982.

**No. 1474. U.S. BUSINESSES ACQUIRED BY FOREIGN DIRECT INVESTORS—ASSETS, SALES, AND
EMPLOYMENT, BY INDUSTRY OF U.S. BUSINESS ENTERPRISE: 1980 AND 1981**

[See headnote, table 1473]

INDUSTRY	1980					1981, prel.				
	Total as- sets (mil. dol.)	Sales (mil. dol.)	Employ- ment (1,000)	Employ- ee compen- sation (mil. dol.)	Plant and equip- ment, net (mil. dol.)	Total as- sets (mil. dol.)	Sales (mil. dol.)	Employ- ment (1,000)	Employ- ee compen- sation (mil. dol.)	Plant and equip- ment, net (mil. dol.)
Total.....	42,591	22,625	279	4,531	4,439	71,807	44,351	394	9,778	15,021
Agriculture and forestry.....	85	7	(Z)	1	6	111	(D)	(D)	(D)	17
Mining.....	181	144	1	22	66	(D)	1,147	11	(D)	895
Petroleum.....	612	(D)	5	61	240	1,744	796	2	52	474
Manufacturing.....	6,609	11,276	143	2,704	1,662	28,209	33,867	285	7,884	11,875
Wholesale trade.....	907	2,116	14	230	109	384	875	5	97	82
Retail trade.....	1,099	2,375	62	459	565	(D)	2,537	44	531	400
Banking.....	19,237	1,716	14	213	173	21,193	2,229	18	(D)	(D)
Finance, except banking.....	8,200	1,181	11	(D)	56	12,604	1,261	2	(D)	(D)
Insurance.....	1,409	479	5	76	27	(D)	111	6	9	4
Real estate.....	3,071	842	3	28	1,265	1,125	217	4	33	305
Other.....	1,180	(D)	22	(D)	270	1,710	(D)	(D)	436	626

D Withheld to avoid disclosure of individual companies. Z Fewer than 500.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1982.

No. 1475. U.S. DIRECT INVESTMENT POSITION ABROAD AND INCOME, BY COUNTRY, 1970 TO 1981, AND BY SELECTED INDUSTRIES, 1981

[In millions of dollars. Direct investments represent private enterprises in one country controlled by investors in another country or in the management of which foreign investors have an important role. Data for 1970 and 1975 are based on the 1988 benchmark survey; data for 1978 through 1981 are based on the 1977 benchmark survey. Because of differences in definition, data based on different benchmarks are not entirely comparable. Negative position occurs when U.S. parent company's liabilities to the foreign affiliate are greater than its investment in the foreign affiliate. See also *Historical Statistics, Colonial Times to 1970*, series U 41-46]

COUNTRY	DIRECT INVESTMENT POSITION (at yearend)						INCOME ¹											
	1970	1975	1978	1979	1980	1981, prel.			1970	1975	1978	1979	1980	1981, prel.				
						Total ¹	Man- ufac- turing	Petro- leum						Fi- nance, insur- ance ²	Total ¹	Man- ufac- turing	Petro- leum	Fi- nance, insur- ance ²
All areas	75,480	124,050	162,727	167,858	215,578	227,342	92,480	52,107	25,784	8,169	16,595	25,468	38,183	37,149	31,873	8,212	13,168	2,679
Developed countries	51,819	90,895	121,230	139,477	158,350	167,112	73,184	37,348	18,473	4,577	9,509	16,230	24,918	24,842	18,790	5,901	7,131	1,794
Canada	21,015	31,038	36,398	40,662	44,978	46,957	19,668	10,705	6,441	1,518	3,412	3,516	5,517	5,855	4,072	1,756	999	381
Europe ¹	25,255	49,305	70,647	83,056	98,539	101,318	45,534	22,458	10,922	2,401	4,989	10,350	17,086	15,994	11,874	2,983	5,345	1,285
Euro. Economic Community (EEC) ¹	20,104	38,773	55,991	68,075	77,402	80,492	41,503	18,988	7,276	1,919	3,620	8,288	14,041	12,820	9,004	2,963	4,377	862
Belgium and Luxembourg	1,546	3,306	5,297	6,383	6,911	6,902	3,415	(D)	(D)	158	270	510	980	637	201	90	3	115
Denmark and Ireland	571	1,295	2,248	2,958	3,585	3,973	2,348	877	(D)	45	170	401	567	503	606	508	(D)	(D)
France	2,643	5,743	7,195	8,085	9,348	9,102	5,501	(D)	253	237	657	816	972	1,253	111	23	(D)	(D)
Germany	4,313	8,726	12,766	13,699	15,418	16,077	10,312	3,282	529	588	956	2,668	2,898	1,864	1,037	610	367	24
Italy	1,464	2,679	3,713	4,364	5,399	5,356	3,372	1,091	43	85	90	547	925	1,298	438	324	46	6
Netherlands	1,560	3,097	5,245	6,891	8,138	8,775	3,203	3,295	792	180	540	1,171	1,934	1,853	1,232	185	973	72
United Kingdom	8,016	13,927	19,527	23,696	28,605	30,088	13,357	8,052	4,438	826	936	2,174	5,765	5,412	5,412	1,275	2,901	554
Other Western Europe ¹	5,151	10,532	14,656	16,981	19,137	20,826	4,031	3,473	3,846	483	1,369	2,062	3,045	3,174	2,870	20	987	423
Switzerland	2,631	5,152	8,419	9,682	11,280	12,437	997	249	3,242	333	853	1,363	1,988	1,865	1,855	84	30	413
Japan	1,482	3,339	5,406	6,180	6,243	6,807	3,277	1,737	217	228	233	1,199	833	839	934	494	330	24
Australia, New Zealand, South Africa	4,067	7,013	8,781	9,579	10,590	12,030	4,694	2,447	893	430	875	1,165	1,482	1,953	1,910	668	457	74
Developing countries ¹	19,192	26,288	37,584	44,980	53,277	56,109	19,317	12,132	7,272	2,941	6,883	9,075	13,004	11,894	12,283	2,311	5,468	912
Latin American Republics ¹	11,104	16,394	20,037	22,792	26,493	29,784	15,251	3,674	2,967	1,206	2,155	2,512	2,965	3,689	3,549	1,650	661	355
Mexico, Panama, other Central America	3,644	5,811	6,935	8,250	10,198	11,675	5,860	960	1,726	264	926	860	1,351	1,797	1,865	1,081	162	276
Argentina	1,022	1,154	1,420	1,849	2,494	2,735	1,570	483	28	109	103	135	520	695	113	-83	180	7
Brazil	1,526	4,579	6,961	7,298	7,703	8,253	5,420	422	968	208	657	910	247	499	519	344	-72	42
Chile	758	174	185	280	536	834	112	98	5	81	(Z)	30	37	7	162	28	14	(Z)
Colombia	584	648	748	893	1,012	1,178	574	318	24	43	53	96	22	68	60	77	-27	5
Peru	744	1,221	1,210	1,534	1,665	1,928	106	(D)	4	74	-88	164	508	(D)	404	11	(D)	(Z)
Venezuela	2,241	1,872	1,793	1,806	1,908	2,175	1,156	126	174	395	344	277	142	108	289	134	29	22
Other Western Hemisphere	1,358	5,773	11,734	12,429	12,390	9,099	510	825	3,279	215	1,047	2,267	3,555	3,280	2,295	77	391	416
Other Africa ¹	2,427	2,414	2,546	3,033	3,778	4,282	448	2,732	148	522	534	588	1,276	1,406	1,088	56	955	(D)
Middle East ¹	1,545	-4,040	-2,946	-999	2,113	1,958	197	718	155	711	1,643	1,867	2,720	-22	1,450	16	1,022	14
Other Asia and Pacific	2,260	5,747	6,214	7,427	8,505	10,986	2,909	4,183	723	287	1,304	1,840	2,488	3,542	3,901	511	2,438	(D)
International ¹	4,468	7,067	3,913	3,700	3,951	4,122	-	2,627	39	650	404	153	262	614	799	-	569	2

- Represents zero. D Suppressed to avoid disclosure of individual companies. Z Less than \$500,000. ¹Includes industries not shown separately. ²Excludes affiliates that are bents. ³Equals sum of interest, dividends, and reinvested earnings. ⁴Includes Mediterranean possessions and Eastern Europe. ⁵As of Jan. 1, 1973, United Kingdom, Denmark, and Ireland became members of the EEC. For consistency, data for all years are shown on same basis. Beginning 1981, includes Greece which was previously reported under "Other Western Europe." ⁶Shipping companies operating under flags of convenience, primarily Panama and Liberia, are included in "International." ⁷Includes countries not shown below. ⁸Includes Egypt and all other in Africa except South Africa. ⁹Includes Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Neutral Zone, Qatar, Saudi Arabia, South Yemen, Oman, United Arab Emirates, and Yemen.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, *Survey of Current Business*, August 1982, and supplement titled *Revised Data Series on U.S. Direct Investment Abroad, 1966-78*.

No. 1476. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS: 1945 TO 1981

[In millions of dollars. "P.L." means Public Law. For explanation of minus sign (-), see heading, table 1477. See also text, pp. 817 and 818, and *Historical Statistics, Colonial Times to 1970*, series U 75-101]

PROGRAM	Post WW II period, ¹ total	1945- 1946, total	1946- 1948, total	1948- 1975, total	1975- 1977, total	1978	1979	1980	1981, prel.
Total, net	223,141	55,134	47,817	88,851	14,580	7,986	7,868	10,860	10,411
Investments in financial institutions ²	9,337	635	655	2,719	1,972	867	551	789	1,142
Under assistance programs, net	213,804	54,499	46,882	86,132	12,708	7,122	7,347	10,065	9,269
Net new military grants	70,764	16,445	19,159	28,720	2,108	817	1,070	1,529	919
Gross new grants	71,304	16,879	19,400	28,766	2,111	821	1,073	1,532	922
Foreign Assistance Act ³	69,651	15,062	19,384	28,765	2,111	821	1,073	1,532	922
Military supplies and services	42,168	13,917	16,256	8,287	560	240	323	264	281
Military assistance, service funded ⁴	18,169	-	8	16,161	-	-	-	-	-
Financing of military purchases ⁵	5,030	-	-	1,584	1,379	500	500	750	317
Relocation of facilities in Israel	800	-	-	-	-	-	125	351	325
Other special programs	3,484	1,145	1,100	734	151	81	126	148	-
Other	1,853	1,817	36	-	-	-	-	-	-
Less: Reverse grants and returns	540	234	241	45	5	4	3	4	4
Net new economic and technical aid grants ⁶	86,721	28,871	17,675	21,748	4,580	2,876	3,050	3,950	4,183
Developed countries ⁷	20,958	20,294	780	162	2	12	19	8	24
Developing countries ⁸	65,764	8,578	16,896	21,629	4,557	2,864	3,031	3,950	4,159
Gross new grants	88,654	30,225	17,993	22,003	4,586	2,876	3,050	3,959	4,183
Foreign Assistance Act ³	54,528	17,711	12,180	12,191	3,175	1,870	1,994	2,585	2,814
Farm products disposals:									
Foreign currencies, P.L. 83-480 ⁹	6,418	-	2,048	4,234	55	17	20	16	29
Famine and other urgent relief	8,578	530	2,704	2,862	656	341	425	500	559
Payment of transportation	2,376	-	494	946	194	133	166	206	234
Food for development loan forgiveness	115	-	-	-	-	-	31	66	18
Supplies to military or trusteeship administration areas	7,179	5,872	132	538	177	96	125	107	132
Peace Corps	1,676	-	232	812	150	86	85	88	102
Other	7,784	6,113	194	321	159	131	182	381	295
Less: Reverse grants and returns	1,932	1,363	318	255	6	-	-	-	-
Net new credits ¹⁰	54,559	8,642	7,025	16,954	8,136	3,691	3,298	4,837	4,178
Developed countries ¹¹	3,968	6,648	3,207	310	24	89	216	77	268
Developing countries ¹²	50,570	1,996	10,232	16,644	8,112	3,602	3,515	4,559	3,910
New credits	106,729	12,039	15,429	27,422	11,388	8,599	7,051	8,687	8,114
Export-Import Bank Act	38,089	4,271	5,257	15,505	3,486	1,237	1,876	3,378	3,059
Foreign Assistance Act ³	39,771	1,819	8,196	12,053	5,081	3,240	3,247	4,174	3,851
Country program loans	23,063	1,765	5,722	8,362	1,789	1,483	1,513	1,295	1,155
Financing of military purchases	15,441	9	247	3,089	3,131	1,727	1,680	2,661	2,698
Social Progress Trust Fund	870	-	226	487	71	26	47	12	1
Other	377	145	2	116	89	5	8	6	7
P.L. 83-480 ⁹	15,659	48	3,839	7,161	1,441	756	799	809	808
Loans of foreign currency:									
To foreign governments	5,185	48	3,265	1,843	6	(2)	2	1	(2)
To private enterprises	424	-	202	217	5	(2)	-	-	1
Long-term credit sales	10,050	-	352	5,101	1,430	756	796	808	807
P.L. 80-806 ¹³	6,974	-	-	2,433	1,380	1,357	1,120	308	377
Other	8,255	5,801	137	271	1	8	9	19	9
Less: Principal collections	52,171	3,397	6,404	20,469	5,252	2,908	3,754	4,051	3,837
Export-Import Bank Act	22,918	1,803	4,458	9,282	2,158	1,084	1,299	1,368	1,465
Foreign Assistance Act ³	10,882	38	1,263	3,557	1,556	906	1,085	1,179	1,288
Country program loans	5,862	1	944	2,481	838	386	409	362	442
Financing of military purchases	4,312	2	222	652	622	485	594	755	800
Social Progress Trust Fund	450	-	9	198	65	35	65	47	30
Other	258	95	88	25	31	20	27	15	16
P.L. 83-480 ⁹	5,499	-	180	3,753	472	218	296	303	278
Loans of foreign currency:									
To foreign governments	2,835	-	111	2,354	185	53	53	48	53
To private enterprises	297	-	43	175	30	21	12	9	7
Long-term credit sales	2,366	-	27	1,223	277	145	231	245	218
Lend-lease, surplus property, and grant settlements	4,428	677	2,001	1,436	153	45	46	48	18
P.L. 80-806 ¹³	5,889	-	-	1,783	814	581	924	1,051	785
Other	2,547	880	501	677	98	92	94	102	103

See footnotes at end of table.

No. 1476. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS: 1945 TO 1981—Con.

[In millions of dollars. See headnote, p. 827]

PROGRAM	Post WW II period, ¹ total	1945- 1955, total	1956- 1965, total	1966- 1975, total ¹	1976- 1977, total	1978	1979	1980	1981, prel.
Other assistance (net accumulation of foreign currency claims) ¹¹	1,759	541	2,802	-1,290	-93	-52	-69	-69	-11
Developed countries ⁷	242	190	330	-203	-56	-23	-24	-18	46
Developing countries ⁷	1,518	351	2,472	-1,086	-37	-29	-45	-51	-57
Currency claims acquired	20,031	813	11,498	6,886	304	124	127	101	175
Sales of farm products.....	15,067	813	11,170	3,013	(Z)	(Z)	(Z)	1	69
Second-stage operations ¹²	4,964	-	329	3,875	303	124	127	100	108
Less: Currencies disbursed	18,271	272	8,696	8,178	396	177	196	170	186
Economic grants and credits to purchasing country.....	13,423	182	6,863	6,238	58	17	22	14	30
Other uses	4,849	90	1,833	1,940	338	160	175	156	156

- Represents zero. Z Less than \$500,000. ¹July 1, 1945, through Dec. 31, 1981. All lend-lease and conversions of prior grants to credits are from V-J Day (Sept. 2, 1945). ²For details, see table 1477. ³Foreign Assistance Act of 1961 (P.L. 87-195), as amended. Also includes predecessor and related programs. ⁴Includes military assistance under Dept. of Defense Appropriation Act, 1966 (P.L. 89-394) and later acts. ⁵Includes funds made available under Public Law 83-199 and subsequent legislation to release Israel from its contractual liability to pay for defense articles and services purchased under other legislation. ⁶Net new grants are not adjusted for settlements for postwar relief and other grants under agreements, and net new credits exclude prior grants converted into credits, which were as follows: July 1945-December 1955, \$2,198 million; 1956-65, \$491 million; 1972, \$994 million. Repayments on these settlements are included in net new credits. ⁷Developed countries include Australia, Canada, Japan, New Zealand, South Africa, all countries listed under "Western Europe" in table 1477, except Portugal, Spain, Yugoslavia, and Malta, and all countries listed under "Eastern Europe" in table 1477. Developing countries include all other countries listed in table 1477. ⁸Agricultural Trade Development and Assistance Act. ⁹Outstanding credits on Dec. 31, 1981, totaled \$58,252 million representing net credits extended since organization of Export-Import Bank, Feb. 12, 1934, less chargeoffs and net adjustments due to exchange rates (\$1,733 million), and excluding World War I debts. The amount repayable in dollars at U.S. Government option was \$56,119 million; the remainder was repayable in foreign currencies, commodities, or services, at the option of the borrowers. ¹⁰Commodity Credit Corporation Charter Act. ¹¹Equivalent value of currencies still available to be used, including some funds advanced from foreign governments and after loss by exchange rate fluctuations (\$1,452 million), was \$307 million on Dec. 31, 1981. ¹²Includes foreign currencies acquired from triangular trade operations and principal and interest collections on credits, originally extended under P.L. 83-480, which—since enactment of P.L. 87-128—are available for the same purposes as P.L. 83-480 currencies.

Source: U.S. Bureau of Economic Analysis, press releases and unpublished data.

No. 1477. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS, BY COUNTRY: 1945 TO 1981

[In millions of dollars. See text, pp. 817 and 818. Negative figures (-) occur when the total of grant returns, principal repayments, and/or foreign currencies disbursed by the U.S. Government exceeds new grants and new credits utilized and/or acquisitions of foreign currencies through new sales of farm products. See also *Historical Statistics, Colonial Times to 1970*, series U 75-186]

TYPE AND COUNTRY	Post WW II period, ¹ total	1945- 1955, total	1956- 1965, total	1966- 1975, total	1976- 1977, total	1978	1979	1980	1981, prel.
Total, net.....	223,141	55,134	47,317	68,851	14,680	7,898	7,898	10,850	10,411
Investment in financial institutions.....	9,337	635	655	2,719	1,972	867	551	796	1,142
African Development Fund.....	25	-	-	-	25	-	-	-	-
Asian Development Bank.....	382	-	-	110	106	35	29	53	49
Inter-American Development Bank.....	3,293	-	300	1,321	562	344	239	233	294
Int'l. Bank for Reconst. and Development.....	851	635	-	13	-	38	16	16	132
International Development Association.....	4,654	-	320	1,275	1,279	412	241	471	655
International Finance Corporation.....	132	-	35	-	-	38	26	22	11
Under assistance programs.....	213,804	54,498	46,662	66,132	12,709	7,132	7,347	10,055	9,289
Military grants ²	70,784	16,445	19,159	28,720	2,106	817	1,070	1,529	919
Western Europe (excl. Greece and Turkey).....	17,715	9,580	6,554	892	165	118	140	173	94
Near East ³ (incl. Greece, Turkey, Egypt) and....									
South Asia.....	14,719	2,061	3,873	4,007	1,449	604	787	1,231	708
Africa (excl. Egypt).....	446	7	166	225	26	7	6	4	6
Far East and Pacific.....	36,002	4,403	7,618	23,165	425	74	121	116	80
Western Hemisphere.....	1,415	238	712	384	30	14	9	6	25
Unspecified areas.....	468	159	237	47	11	(Z)	6	-	7
Other grants, credits, and other assistance (through net accumulation of foreign currency claims).....	143,040	38,054	27,503	37,412	10,603	6,315	6,277	8,526	8,289
Developed countries ⁴	25,188	27,129	-2,097	-75	-29	78	-224	68	338
Developing countries ⁵	117,852	10,925	29,600	37,487	10,633	6,237	6,500	8,458	8,012

See footnotes at end of table.

Foreign Grants and Credits

829

No. 1477. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS, BY COUNTRY: 1945 TO 1981— Continued

[In millions of dollars. See headnote, p. 826. See also *Historical Statistics, Colonial Times to 1970*, series U 75-186]

TYPE AND COUNTRY	Post WW II period, ¹ total	1945- 1965, total	1966- 1966, total	1966- 1975, total	1976- 1977, total	1978	1979	1980	1981, prel.
Western Europe	24,457	24,770	-861	140	131	234	-116	265	64
Austria	1 101	1,019	67	19	-2	-5	-5	14	12
Belgium and Luxembourg	689	726	-70	16	-10	7	7	52	11
Denmark	305	284	-19	38	-4	-9	-3	15	3
France	3,990	5,477	1,238	92	68	-45	-48	-31	35
Germany, Federal Republic of	2,852	3,907	-852	-111	-37	-14	-14	-14	12
Iceland	51	34	33	-8	-6	-2	-5	5	-1
Italy	3,265	2,795	120	80	12	-8	17	184	123
Malta	84	1	3	47	25	10	-	-	-
Netherlands	832	1,051	-224	115	4	25	-29	-27	-33
Norway	319	309	-71	265	-7	-46	-44	-52	36
Portugal	813	87	93	14	279	476	94	-89	-111
Spain	1,845	185	686	417	50	157	134	159	48
Sweden	121	108	-20	17	15	1	-3	5	-1
Switzerland	54	-	(2)	78	13	-9	-8	-9	-14
United Kingdom	5,462	8,928	-532	-546	171	-142	-123	178	125
Yugoslavia	2,138	880	1,042	84	102	39	-25	22	12
Other ² and unspecified	717	1,019	12	-254	42	34	-17	-8	46
Eastern Europe	2,722	1,897	501	228	380	424	308	-296	173
Czechoslovakia	191	191	-	-	-	-	-	-	-
Poland	1,547	425	556	-75	278	343	129	-243	235
Romania	142	-	-	92	2	45	78	23	49
Soviet Union	875	425	59	214	101	32	-7	-14	-17
Other	88	55	5	5	(2)	5	8	-4	3
Near East and South Asia	48,127	3,183	12,338	12,530	5,086	2,842	3,273	4,804	4,479
Afghanistan	520	31	224	183	33	12	36	4	-5
Bangladesh	1,508	-	-	701	175	186	161	175	129
Cyprus	161	-	19	20	68	24	14	17	-1
Egypt	6,348	41	1,009	271	649	619	660	1,470	1,399
Greece	2,235	1,324	330	221	293	182	24	-52	86
India	9,737	399	4,798	3,791	168	81	94	168	241
Iran	853	211	477	706	-214	170	-158	(2)	(2)
Israel	12,480	390	483	2,176	2,808	1,314	1,598	1,858	1,797
Jordan	1,738	26	455	455	239	72	85	180	247
Lebanon	281	15	70	83	29	13	10	18	32
Nepal	271	3	88	103	28	6	8	17	20
Pakistan	5,198	178	2,418	2,044	336	44	16	67	84
Sri Lanka (Ceylon)	486	(2)	86	149	59	41	39	55	33
Syria	282	1	57	15	71	19	80	23	17
Turkey	4,382	385	1,418	1,028	140	175	334	525	379
Yemen Arab Republic	135	-	40	24	16	7	9	18	25
UNRWA ³	1,016	131	274	296	93	62	80	84	85
Other and unspecified	503	27	97	264	-4	2	14	30	73
Africa	10,421	143	2,098	3,368	1,088	628	789	1,168	1,389
Algeria	1,065	1	135	283	107	113	150	125	172
Benin	49	-	7	12	15	4	4	2	4
Botswana	109	-	(2)	35	13	13	11	18	21
Cameroon	174	-	16	50	14	3	14	25	52
Chad	76	(2)	5	20	17	13	12	8	2
Ethiopia	389	9	109	178	48	11	13	20	4
Ghana	366	(2)	64	203	35	9	20	16	19
Guinea	181	-	58	67	18	10	4	7	17
Ivory Coast	122	-	14	57	8	5	1	27	9
Kenya	371	(2)	34	78	78	21	27	50	87
Lesotho	110	-	(2)	27	12	7	11	20	33
Liberia	379	26	135	80	15	10	9	30	74
Libya	206	25	183	-2	-	-	-	-	-
Madagascar	37	(2)	7	13	2	2	2	(2)	11
Malawi	63	-	3	30	10	4	4	4	5
Mali	152	-	10	57	11	16	15	25	18
Mauritania	84	-	1	20	12	5	6	17	22
Morocco	1,157	7	443	382	142	57	36	40	49
Mozambique	92	-	-	1	20	10	24	17	21
Niger	134	-	5	64	17	10	17	10	12
Nigeria	361	(2)	87	283	-4	-6	3	3	7
Senegal	218	-	16	48	22	23	32	36	36
Sierra Leone	105	(2)	22	26	17	9	5	9	6

See footnotes at end of table.

No. 1477. U.S. GOVERNMENT FOREIGN GRANTS AND CREDITS, BY COUNTRIES: 1945 TO 1981—
Continued

[In millions of dollars. See headnote, p. 828. See also *Historical Statistics, Colonial Times to 1970*, series U 75-188]

TYPE AND COUNTRY	Post WW II period, ¹ total	1945- 1955, total	1956- 1965, total	1956- 1975, total	1976- 1977, total	1978	1979	1980	1981 prel.
Africa—Continued									
Somalia.....	271	(z)	42	47	6	14	22	70	70
South Africa.....	-92	20	-101	-11	(z)	(z)	(z)	(z)	(z)
Sudan.....	356	-	86	52	4	11	25	73	105
Tanzania.....	327	2	34	123	68	15	24	30	31
Togo.....	55	-	9	18	7	2	7	6	7
Tunisia.....	900	2	392	344	48	30	10	50	25
Uganda.....	70	-	12	33	(z)	(z)	(z)	15	10
Upper Volta.....	186	-	5	40	24	21	24	31	41
Zaire.....	1,104	(z)	248	321	154	61	100	147	75
Zambia.....	222	-	1	35	39	35	40	42	25
Zimbabwe.....	54	-	(z)	(z)	-	-	-	26	28
Other and unspecified.....	973	51	12	360	110	85	84	115	158
Far East and Pacific	31,016	6,754	7,705	10,819	1,801	1,240	973	834	809
Australia.....	197	1	(z)	276	-98	-36	-29	(z)	81
Brunei.....	(z)	-	-	20	-20	-	(z)	-	-
Burma.....	122	22	76	16	7	2	(z)	(z)	(z)
China: Taiwan.....	2,846	450	882	514	215	52	171	388	194
Hong Kong.....	115	3	35	41	3	-3	-5	10	32
Indonesia.....	3,012	246	437	1,289	496	178	214	137	14
Japan.....	2,085	2,302	238	-463	10	46	-69	-49	68
Kampuchea.....	925	26	228	593	1	(z)	5	44	25
Korea, Republic of.....	7,717	1,358	2,517	2,017	594	698	228	101	205
Laos.....	908	37	398	472	-	-	-	-	-
Malaysia.....	113	1	30	84	38	5	-16	-10	-19
New Zealand.....	69	5	-2	95	16	-1	-3	-4	-18
Papua New Guinea.....	(z)	-	(z)	31	-30	(z)	(z)	(z)	(z)
Philippines.....	2,227	833	297	497	260	120	141	33	45
Ryukyu Islands.....	391	221	90	81	-	-	-	-	-
Singapore.....	234	-	(z)	78	13	39	93	25	-14
Thailand.....	919	39	324	261	79	24	107	31	34
Trust Territory of the Pacific Islands.....	1,255	30	89	488	181	100	125	108	133
Vietnam.....	6,691	245	2,088	4,359	-	-	-	-	-
Other and unspecified.....	1,170	933	78	52	36	13	11	21	29
Western Hemisphere	14,866	1,151	4,469	6,367	951	293	361	687	586
Argentina.....	309	86	294	-5	26	-8	-29	-30	-25
Bahamas.....	3	(z)	(z)	29	-22	-1	-3	-2	2
Bermuda.....	-1	-	-	18	-14	-2	-1	-1	-
Bolivia.....	801	77	275	239	63	61	36	29	21
Brazil.....	3,152	470	1,200	1,456	186	-36	-17	-28	-80
Canada.....	364	-1	-5	272	-6	-8	-9	95	47
Cayman Islands.....	4	-	-	12	(z)	-7	-2	-1	3
Chile.....	998	85	651	691	-59	-32	-184	-66	-86
Colombia.....	1,236	31	386	796	22	7	-6	6	-5
Costa Rica.....	243	16	81	102	13	7	8	3	12
Dominican Republic.....	653	-1	173	341	31	-3	59	30	24
Ecuador.....	311	27	96	125	21	16	8	16	2
El Salvador.....	348	4	52	87	23	11	10	49	112
Guatemala.....	435	23	136	141	68	16	17	15	20
Guyana.....	108	(z)	7	71	12	4	3	3	6
Haiti.....	323	27	70	42	46	29	29	37	43
Honduras.....	307	6	50	104	37	16	28	20	45
Jamaica.....	259	16	2	119	15	19	19	12	58
Mexico.....	1,276	226	177	304	109	17	103	180	159
Nicaragua.....	390	8	60	137	38	25	29	78	15
Panama.....	389	10	102	203	46	6	5	13	4
Paraguay.....	146	4	63	68	7	2	2	-1	(z)
Peru.....	790	42	212	239	140	71	95	-2	-8
Trinidad and Tobago.....	217	-	35	21	-5	-2	29	89	51
Uruguay.....	139	6	54	88	5	-4	-3	-3	-4
Venezuela.....	288	6	148	107	-41	-3	13	18	39
Other ² and unspecified.....	1,359	-20	152	559	194	95	120	129	129
Other international organizations and unspecified areas	11,252	976	1,265	3,971	1,157	761	830	1,182	1,199

- Represents zero. Z Less than \$500,000. ¹July 1, 1945, through Dec. 31, 1981; see footnote 1, table 1476. ²See table 1476, footnote 5. ³See table 1476 footnote 7. ⁴Includes European Atomic Energy Community, European Coal and Steel Community, European Payments Union, European Productivity Agency, North Atlantic Treaty Organization, and former Organization for European Economic Cooperation. ⁵United Nations Relief and Works Agency for Palestine refugees. ⁶Includes Caribbean Development Bank, Central American Bank for Economic Integration, Inter-American Institute of Agricultural Sciences, Organization of American States, and Pan American Health Organization.

Source: U.S. Bureau of Economic Analysis, press releases and unpublished data.

NO. 1478. U.S. FOREIGN ECONOMIC AND MILITARY AID PROGRAMS: 1946 TO 1981

[In millions of dollars. For years ending June 30 except, beginning 1977, ending Sept. 30. Economic aid shown here represents total U.S. economic aid—not just aid under Foreign Assistance Act. Major components in recent years include AID, Food for Peace, Peace Corps, and paid-in subscriptions to international financial institutions, such as IBRD, and IDB. Cumulative totals for 1946–1981 are true totals net of deobligation; annual figures, however, are gross unadjusted program figures. Military aid includes Military Assistance Program (MAP) grants, foreign military credit sales, service-funded programs, and excess defense articles]

PERIOD OR YEAR	Total economic and military aid	ECONOMIC AID			MILITARY AID		
		Total	Loans	Grants	Total	Loans	Grants
1946–1981, total	229,106	141,635	47,365	94,270	87,471	17,355	70,116
1946–1952	41,661	31,116	8,518	22,598	10,545	-	10,545
1953–1961	43,358	24,053	5,850	18,203	19,305	161	19,144
1962–1969	50,254	33,392	15,421	17,972	16,862	1,620	15,242
1970–1981	108,230	64,052	21,112	42,940	44,178	18,176	26,002
1970	6,566	3,676	1,389	2,288	2,892	70	2,822
1971	7,838	3,442	1,299	2,143	4,396	743	3,653
1972	9,021	3,940	1,639	2,301	5,080	550	4,530
1973	9,472	4,117	1,391	2,726	5,356	550	4,805
1974	8,510	3,906	1,150	2,756	4,604	1,396	3,208
1975	6,916	4,908	1,679	3,229	2,009	750	1,259
1976	6,412	3,878	1,759	2,119	2,535	1,442	1,093
1976, TQ ¹	2,603	1,931	840	1,091	672	494	178
1977	7,784	5,594	2,083	3,511	2,190	1,411	779
1978	9,014	6,661	2,530	4,131	2,353	1,601	752
1979	13,845	7,120	1,900	5,220	6,725	5,173	1,552
1980	9,695	7,573	1,993	5,580	2,122	1,450	672
1981	10,550	7,305	1,460	5,845	3,245	2,546	699

- Represents zero. ¹ Transition quarter, July–Sept.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual.

NO. 1479. U.S. FOREIGN MILITARY AID, BY SELECTED COUNTRIES: 1962 TO 1981

[In millions of dollars, except percent. For years ending Sept. 30, except as indicated. Military aid data include Military Assistance Program (MAP) grants, foreign military credit sales, International Military Education and Training, and excess defense articles]

REGION AND COUNTRY	1962–1981 ¹		1980, total	1981, total	REGION AND COUNTRY	1962–1981 ¹		1980, total	1981, total
	Total	Per-cent grants				Total	Per-cent grants		
Total	61,040.0	67.6	2,122.0	3,244.9	Europe ²—Con.				
Near East and South Asia ²	24,957.1	41.9	1,484.2	2,472.5	Italy	268.5	99.9	-	-
Egypt	2,052.2	.1	.8	550.8	Norway	199.0	100.0	-	-
Greece	2,301.0	49.0	147.6	178.0	Portugal	215.2	100.0	-	52.8
India	146.4	81.1	.3	(z)	Spain	1,111.7	45.8	125.9	126.2
Iran	844.7	40.3	-	-	Latin America ²	1,801.4	46.3	21.1	59.6
Israel	14,311.6	40.2	1,000.0	1,400.0	Argentina	261.5	32.9	-	-
Jordan	1,023.6	52.5	79.3	44.3	Bolivia	79.9	71.2	.3	-
Lebanon	137.8	6.0	22.4	20.3	Brazil	413.9	34.3	-	-
Pakistan	208.1	95.2	-	-	Chile	146.0	57.2	-	-
Saudi Arabia	223.7	4.3	-	-	Colombia	188.4	44.1	.3	.3
Turkey	3,552.6	65.2	208.3	252.8	Dominican Rep	42.0	78.1	3.5	3.4
East Asia ²	29,257.1	90.6	283.9	335.4	Ecuador	82.0	47.9	3.3	4.3
China, Taiwan	1,893.9	70.9	(z)	(z)	Guatemala	40.2	73.1	-	-
Indonesia	429.4	56.5	33.1	32.2	Honduras	40.2	39.3	3.9	8.9
Japan	240.9	85.5	-	-	Nicaragua	30.6	73.8	-	-
Kampuchea	1,196.8	100.0	-	-	Paraguay	30.0	98.7	-	(z)
Korea	6,014.6	77.1	130.5	162.7	Peru	170.5	47.5	3.3	4.3
Laos	1,481.9	100.0	-	-	Uruguay	57.6	68.0	-	-
Malaysia	160.1	3.8	7.3	10.3	Venezuela	121.5	22.6	-	(z)
Philippines	674.8	71.2	75.5	75.6	Africa ²	1,218.5	30.3	118.9	134.8
Thailand	1,300.9	82.8	37.4	54.6	Ethiopia	224.3	83.9	-	-
Vietnam	15,797.9	100.0	-	-	Kenya	116.0	2.6	20.5	6.5
Europe ²	2,035.0	66.5	157.9	179.1	Morocco	342.8	14.6	25.9	34.4
Denmark	71.1	100.0	-	-	Sudan	65.6	6.2	25.4	32.3
France	62.8	8.2	-	-	Tunisia	182.7	26.2	15.6	15.7
					Zaire	163.7	24.8	6.9	6.8
					Oceania and other	94.9	2.9	-	(z)
					Interregional	1,765.7	98.8	56.4	63.5

- Represents zero. ² Less than \$50,000. ¹ From 1962 to 1976, years ended June 30. Includes transition quarter, July 1, 1976 to Sept. 30, 1976. ² Includes amounts not shown separately. Regional totals include aid to entire regions or sub-regions.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual.

No. 1480. U.S. FOREIGN AID—COMMITMENTS FOR ECONOMIC ASSISTANCE, BY REGIONS AND SELECTED COUNTRIES, 1962 TO 1981

(In millions of dollars, except percent. Falls under economic portion of the Foreign Assistance Act. Data cover commitments for economic and technical assistance by AID and predecessor agencies. For years ending Sept. 30, except as indicated. See text, pp. 817 and 818)

REGION AND COUNTRY	GROSS CUMULATIVE TOTAL, 1962-1980 ¹		1979, total	1980, total	1981, total	REGION AND COUNTRY	GROSS CUMULATIVE TOTAL, 1962-1980 ¹		1979, total	1980, total	1981, total
	Total	Per-cent grants					Total	Per-cent grants			
Economic assistance	53,850	58.9	3,846	4,082	4,209	Latin America²—Con.					
Near East and South Asia²	20,828	44.8	2,170	2,200	2,086	Dominican Rep	454	37.7	26	35	17
Bangladesh	836	74.4	80	80	80	Ecuador	175	35.8	1	8	13
Cyprus	136	98.3	15	15	14	El Salvador	244	33.5	7	52	79
Egypt	5,134	47.8	835	865	829	Guatemala	216	35.8	17	6	9
Greece	135	15.1	—	—	—	Guyana	118	24.0	6	3	1
India	3,349	5.0	91	103	105	Haiti	130	79.6	9	11	9
Iran	104	48.6	—	—	—	Honduras	259	26.1	22	46	26
Israel	5,288	73.0	785	785	784	Jamaica	150	18.0	6	3	54
Jordan	995	80.1	93	89	10	Mexico	70	5.3	—	—	—
Nepal	112	92.0	12	13	14	Nicaragua	294	20.8	10	19	58
Pakistan	2,041	6.9	9	—	—	Panama	287	22.4	20	1	9
Sri Lanka	190	10.5	29	31	46	Paraguay	94	47.8	7	1	2
Syria	454	6.4	90	—	—	Peru	338	27.8	34	19	35
Turkey	1,559	26.2	70	198	200	Uruguay	82	23.4	—	—	—
Yemen Arab Rep	111	84.2	17	12	19	Venezuela	57	28.5	—	—	—
Regional	164	100.0	31	22	11	ROCAP ³	293	22.2	3	4	11
East Asia¹	9,225	79.0	173	188	180	Regional	523	90.5	14	15	15
China, Taiwan	70	11.2	—	—	—	Africa¹	4,687	85.2	339	436	395
Indonesia	1,119	21.6	95	83	89	Botswana	70	78.4	14	13	11
Kampuchea	379	100.0	—	—	—	Cameroon	82	67.0	8	6	8
Korea	1,080	53.5	1	—	—	Ethiopia	233	41.3	3	—	—
Laos	848	99.2	—	—	—	Ghana	234	26.2	8	10	5
Philippines	803	43.3	44	80	89	Guinea	84	83.8	3	5	3
Thailand	492	82.2	22	25	25	Kenya	212	54.5	17	32	20
Vietnam	4,490	98.9	—	—	—	Liberia	262	60.6	15	16	37
East Asia Regional	316	100.0	12	18	14	Malawi	57	44.0	4	4	6
Europe²	726	42.9	21	80	37	Mali	107	87.7	17	16	15
Italy	58	100.0	4	3	5	Morocco	214	28.2	4	9	12
Malta	76	93.4	—	—	—	Niger	71	82.2	11	10	14
Portugal	500	21.3	—	40	25	Nigeria	349	85.5	—	—	—
Spain	86	100.0	7	7	7	Senegal	75	96.2	15	10	15
Latin America²	7,902	25.4	255	288	377	Somalia	101	82.7	11	17	12
Argentina	143	11.9	—	—	—	Sudan	230	85.1	17	70	75
Bolivia	489	29.3	20	5	2	Tanzania	159	73.2	21	15	22
Brazil	1,480	11.4	—	—	—	Tunisia	306	33.6	15	11	25
Chile	645	5.8	(2)	(2)	—	Upper Volta	66	100.0	16	9	14
Colombia	991	6.7	(2)	(2)	—	Zaire	314	56.0	12	7	11
Costa Rica	162	19.8	16	14	12	Zambia	126	12.6	20	24	21
						Zimbabwe	50	100.0	—	23	25
						Regional	513	84.0	60	83	47
						Oceania and other	11	100.0	7	5	4
						Non-regional	10,171	99.4	890	896	1,086

- Represents zero. ² Less than \$500,000. ¹ From 1962 to 1976, years ended June 30. Includes transition quarter, July 1 to Sept. 30, 1976. ² Includes countries not shown separately. ³ Regional programs covering Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, and Panama.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual, and unpublished data.

No. 1481. U.S. EXPORTS FINANCED BY FOREIGN AND AGRICULTURAL AID: 1960 TO 1981

(In millions of dollars, except percent. See headnote, table 1478)

ITEM	1960	1966	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Exports financed by aid ¹	2,685	3,242	2,543	1,928	1,991	2,351	1,939	1,938	2,217	2,114	1,923	1,826
Percent of total exports ²	13.0	11.8	5.9	2.7	2.0	2.2	1.7	1.8	1.5	1.2	.9	.8
Loans and grants (AID)	432	1,140	957	657	570	685	671	602	988	710	673	588
Military grant aid	949	779	565	516	599	461	190	62	85	165	156	62
Agricultural aid (P.L. 480)	³ 1,304	³ 1,323	1,021	755	822	1,226	1,078	1,074	1,144	1,239	1,084	1,276
Sales for foreign currencies	1,014	899	278	d	—	—	—	—	—	—	—	—
Donations	173	253	255	209	315	302	307	368	350	418	329	504
Long-term dollar and convertible foreign currency credit sales	—	152	490	542	507	824	771	706	794	821	785	772

- Represents zero. ¹ Foreign Assistance Act and Public Law 480; see table 1195. ² For total exports, see table 1482.

³ Includes barter for strategic materials.

Source: U.S. Dept. of Commerce, International Trade Administration, *Overseas Business Reports, U.S. Foreign Trade*, annual.

No. 1482. U.S. EXPORTS AND IMPORTS OF MERCHANDISE: 1960 TO 1981

[In billions of dollars, except per capita and percent. Beginning 1970, includes silver ore and bullion; beginning 1977, includes shipments of nonmonetary gold; and beginning 1980, includes trade of Virgin Islands with foreign countries. For basis of dollar values, see text, pp. 818 and 819. "Special Category" commodities are grouped separately for security reasons. See also *Historical Statistics, Colonial Times to 1970*, series U 190-195 and U 207-212]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total exports ¹	20.4	27.5	43.2	71.3	96.5	107.6	115.0	121.2	143.7	181.8	220.8	233.7
Domestic	20.4	27.1	42.6	70.2	97.1	106.1	113.3	119.0	141.2	178.6	216.7	229.0
Avg. annual percent change ²	18.8	3.7	13.7	18.1	38.3	8.2	6.8	5.0	18.6	26.5	21.3	5.7
Excl. Special Category	19.7	26.2	41.9	69.8	96.4	104.6	112.4	117.9	139.2	175.6	213.3	224.8
Special Category	.8	1.2	1.4	1.6	2.1	3.0	2.6	3.2	4.5	3.0	3.3	4.2
Foreign (initially imports)	.2	.3	.6	1.1	1.4	1.5	1.7	2.2	2.5	3.2	4.1	4.8
Total exports, excluding M.A.P. ³	19.6	26.7	42.7	70.8	97.6	107.1	114.8	121.2	143.6	181.7	220.6	233.5
M.A.P. ³ Grant-Aid ⁴	.9	.8	.6	.5	.6	.5	.2	.1	.1	.2	.2	.1
General imports ⁵	14.7	21.4	40.0	69.5	101.0	96.9	120.7	147.7	172.0	206.3	244.9	261.3
Avg. annual percent change ⁶	3.6	14.4	10.8	25.0	45.4	4.1	25.7	22.4	16.5	20.0	18.7	6.7
Merchandise trade balance ⁴	5.0	5.3	2.7	1.3	3.1	10.2	5.9	-26.5	-28.5	-24.7	24.1	27.6
Per capita ⁷ (dollars):												
Domestic exports	113	140	206	334	458	497	527	549	646	810	957	996
General imports	81	110	195	330	477	454	561	661	787	935	1,081	1,137
Imports for consumption ⁸	14.7	21.3	38.8	69.0	100.1	96.5	121.1	147.1	172.9	206.9	244.0	259.0
Free	5.8	7.4	13.9	28.3	52.1	31.0	37.2	43.6	51.8	103.3	107.0	78.3
Percent of total	39	35	35	41	52	32	31	30	30	50	45	29
Dutiable	8.9	13.8	25.9	40.8	48.1	65.5	83.9	103.4	121.1	102.6	133.0	182.7
Duties calculated	1.1	1.6	2.6	3.6	3.8	3.6	4.7	5.5	7.2	7.2	7.5	8.9
Percent of imports	7.5	7.5	6.5	5.2	3.8	3.9	3.9	3.7	4.2	3.5	3.1	3.4

¹Includes "Special Category" items. ²From previous year (For 1960, change from 1959, 1965 change from 1964, etc.)

³M.A.P. = Military Assistance Program. ⁴Represents shipments only from U.S. and may differ from U.S. Dept. of Defense figures because of differences in statistical definitions. ⁵Prior to 1978, customs value basis; thereafter, f.a.s. value basis.

⁶For figures adjusted to balance of payments basis, see table 1489. Total domestic and foreign exports excluding M.A.P. Grant-Aid shipments, minus general imports. ⁷Based on estimated population including Armed Forces abroad as of July 1, except 1970 and 1980 as of April 1. ⁸Customs value basis. ⁹Includes revisions not carried to free and dutiable values; therefore, these values will not add to total.

Source: U.S. Bureau of the Census. For 1960, *Foreign Commerce and Navigation of the United States*; thereafter, *Highlights of U.S. Export and Import Trade*, FT 890, monthly.

No. 1483. U.S. EXPORTS AND IMPORTS FOR CONSUMPTION OF MERCHANDISE BY CUSTOMS REGIONS: 1965 TO 1981

[In billions of dollars. Exports include reexports, imports are on customs value basis. See *Historical Statistics, Colonial Times to 1970*, series U 264-273, for related data]

CUSTOMS REGIONS	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Exports, total ¹	27.3	43.2	49.7	71.3	96.5	107.6	115.0	121.2	143.7	181.8	220.8	233.7
Boston	.2	3.3	4.5	5.7	7.7	7.8	8.7	9.6	10.3	12.4	14.3	15.4
New York	7.2	10.0	9.8	12.7	17.5	18.7	18.4	19.9	23.6	32.8	36.9	35.8
Baltimore	.7	3.9	4.4	6.3	10.3	12.5	13.1	12.3	14.4	18.0	21.5	22.2
Miami	.6	2.0	2.7	3.5	5.4	6.2	7.3	8.7	10.3	13.6	17.5	19.8
New Orleans	2.2	3.9	4.6	7.5	10.7	11.3	12.2	12.8	14.8	18.0	22.0	23.3
Houston	1.9	4.0	4.6	7.9	11.3	12.9	12.5	12.2	16.4	21.3	28.3	31.5
Los Angeles	.8	2.5	2.4	4.1	5.9	6.4	7.1	7.3	9.2	13.0	17.0	19.6
San Francisco	1.1	4.9	5.6	8.8	11.7	11.5	13.1	13.4	17.1	23.5	28.3	30.6
Chicago	.5	6.2	6.7	11.5	13.5	15.3	17.1	18.8	21.8	23.5	25.2	28.2
Imports, total	21.4	40.0	56.8	69.0	100.1	96.5	121.1	147.9	172.9	206.9	244.0	259.0
Boston	.7	5.7	7.5	9.0	11.0	9.9	12.4	14.7	17.9	19.9	21.6	24.4
New York	8.6	10.1	12.8	15.6	20.4	18.1	22.0	26.1	33.2	37.8	43.4	44.1
Baltimore	.8	3.9	5.6	7.3	12.7	11.9	13.2	15.4	18.4	22.2	26.8	26.9
Miami	.5	2.4	4.1	4.8	7.1	8.4	7.9	9.2	11.2	12.6	14.9	20.3
New Orleans	.8	1.6	2.1	2.9	5.7	6.8	9.3	13.1	14.1	19.2	25.5	26.1
Houston	.6	1.8	2.7	3.8	7.9	6.8	12.6	17.4	20.7	28.1	34.7	36.2
Los Angeles	1.2	3.3	4.9	6.5	9.0	8.6	11.1	13.6	16.3	18.8	22.2	24.4
San Francisco	.7	3.8	5.1	6.4	10.5	10.6	13.3	16.0	17.8	20.8	25.0	26.6
Chicago	.6	7.3	10.6	12.4	15.3	15.1	18.0	21.4	23.3	26.9	25.6	28.7

¹Includes data on low-value shipments not distributed by customs region. ²Includes revisions not carried to customs regions.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 890, monthly.

NO. 1484. EXPORT AND IMPORT UNIT VALUE INDEXES—SELECTED COUNTRIES: 1960 TO 1981

[Indexes in U.S. dollars, 1975 = 100. A unit value is an implicit price derived from value and quantity data]

COUNTRY AND ITEM	1960	1965	1969	1970	1971	1972	1973	1974	1975	1977	1978	1979	1980	81
Exports: U.S.	48	49	54	56	58	60	75	98	105	107	115	120	140	15
Japan	57	49	52	55	58	65	100	99	100	109	130	139	150	19
France	43	46	48	49	52	56	72	84	98	105	120	139	156	15
Germany	36	40	41	48	52	58	73	88	102	112	129	146	157	13
Italy	48	46	49	51	54	60	70	86	94	107	119	143	169	16
United Kingdom	47	51	51	55	59	65	71	86	97	112	135	164	202	14
Canada	49	47	52	56	59	61	69	94	100	104	106	125	146	15
Imports: U.S.	40	41	45	46	49	62	62	92	103	112	111	144	166	19
Japan	38	38	37	40	42	44	55	95	103	110	115	145	165	20
France	46	46	46	46	50	55	67	91	99	108	118	139	165	19
Germany	40	42	43	49	50	55	71	89	103	114	127	153	176	19
Italy	37	38	40	41	43	48	61	95	98	108	118	148	169	19
United Kingdom	42	43	44	48	51	54	66	93	99	111	126	153	181	19
Canada	53	54	58	61	64	67	71	90	103	108	114	127	146	19

NA Not available.

Source: International Monetary Fund, Washington, D.C., *International Financial Statistics*, monthly.

NO. 1485. U.S. EXPORTS AND IMPORTS—INDEXES OF TOTAL VALUE, UNIT VALUE (AVERAGE PRICE), AND QUANTITY: 1970 TO 1981

[1977 average = 100. See heading, table 1484. See also *Historical Statistics, Colonial Times to 1970*, series U 225-249]

ECONOMIC CLASS	INDEX OF EXPORTS OF U.S. MERCHANDISE							INDEX OF GENERAL IMPORTS						
	1970-1975, avg.	1975	1977	1978	1979	1980	1981	1970-1975, avg.	1975	1977	1978	1979	1980	1981
Total value	57.3	96.7	100.0	119.7	151.3	183.8	194.1	46.6	98.5	100.0	118.9	142.1	195.6	175.1
Foods: Crude	70.6	125.0	100.0	134.7	167.2	205.2	223.3	44.7	51.5	100.0	102.5	108.9	108.5	102.0
Manufactured	56.7	78.8	100.0	124.1	141.5	177.7	191.3	73.6	88.4	100.0	120.4	142.5	154.0	180.7
Materials, crude	78.8	116.5	100.0	112.0	143.7	170.0	166.2	25.0	57.8	100.0	96.5	137.5	180.5	179.7
Manufactures: Semi	84.9	90.8	100.0	133.9	219.4	286.5	245.0	52.5	69.1	100.0	116.5	136.9	150.8	181.2
Finished	55.1	87.9	100.0	116.1	138.6	168.1	186.3	54.4	70.2	100.0	134.0	150.5	169.1	195.6
Unit value	67.4	92.8	100.0	106.9	121.6	136.1	150.8	58.8	98.4	100.0	107.9	128.7	181.4	176.3
Foods: Crude	84.1	128.2	100.0	108.3	125.6	140.0	146.6	39.2	45.1	100.0	93.4	95.6	103.6	97.1
Manufactured	76.7	98.8	100.0	108.4	118.8	121.4	127.3	87.5	122.1	100.0	111.7	133.8	169.5	164.5
Materials, crude	58.3	88.4	100.0	100.4	115.5	122.1	125.0	46.1	66.0	100.0	102.7	137.7	224.2	248.0
Manufactures: Semi	89.7	100.9	100.0	106.7	133.8	167.6	166.2	57.4	91.9	100.0	106.6	142.0	171.3	172.6
Finished	67.0	87.4	100.0	107.9	119.4	134.8	154.2	66.6	92.8	100.0	112.4	123.1	134.9	142.2
Quantity	82.3	96.6	100.0	111.9	124.5	132.9	126.8	77.4	74.4	100.0	110.2	110.4	102.5	106.2
Foods: Crude	78.4	97.5	100.0	124.5	133.1	146.6	152.3	114.5	112.0	100.0	109.7	112.7	104.5	105.0
Manufactured	73.1	79.0	100.0	114.6	119.2	146.3	150.3	84.7	72.4	100.0	107.6	108.5	90.8	97.7
Materials, crude	66.6	88.1	100.0	111.8	124.5	139.3	132.9	53.3	67.3	100.0	95.9	99.8	80.5	72.2
Manufactures: Semi	92.0	90.0	100.0	125.6	164.3	159.1	147.4	92.4	75.2	100.0	109.3	96.5	95.1	93.4
Finished	79.9	100.6	100.0	107.7	116.1	124.7	120.5	81.0	75.7	100.0	119.2	122.2	125.4	137.6

Source: U.S. Bureau of the Census, *Indexes of U.S. Exports and Imports by Economic Class, 1919-1971*, and unpublished data.

NO. 1486. U.S. EXPORTS AND IMPORTS—VALUE, BY BROAD END-USE CLASS: 1967 TO 1981

[Data are adjusted to balance of payments basis, excluding military; for details, see source. Exports include re-exports. See also *Historical Statistics, Colonial Times to 1970*, series U 249-263]

END-USE CLASS	TOTAL (bil. dol.)										PERCENT		
	1967	1970	1975	1976	1977	1978	1979	1980	1981 ¹	1967	1970	1981 ¹	
Exports, total ²	30.7	42.5	107.1	114.7	120.8	142.1	184.5	224.2	236.3	100	100	100	
Foods, feeds, and beverages	5.0	5.9	19.2	19.8	19.7	25.2	30.0	35.7	38.3	16	14	16	
Industrial supplies and materials	10.0	13.8	29.9	32.1	34.5	39.2	58.4	72.3	86.8	33	32	36	
Capital goods, except automotive	9.9	14.6	36.6	39.1	39.6	46.5	58.8	74.2	81.7	32	34	35	
Automotive vehicles and parts ³	2.6	3.9	10.6	12.1	13.4	15.6	18.2	17.2	19.1	9	9	8	
Consumer goods (nonfood) ⁴	2.1	2.8	6.8	8.0	8.9	10.4	12.8	16.6	16.3	7	7	7	
General imports, total ¹	28.9	41.1	99.9	124.0	151.7	175.8	211.8	246.8	264.1	100	100	100	
Foods, feeds, and beverages	4.8	6.1	8.8	11.5	14.0	15.4	17.4	18.1	18.1	17	15	7	
Industrial supplies and materials	12.0	15.3	51.0	64.3	60.7	84.8	110.4	135.0	137.9	45	38	52	
Capital goods, except automotive	2.6	4.0	10.2	12.3	14.0	19.2	24.6	30.3	34.6	9	10	13	
Automotive vehicles and parts ³	2.4	5.6	11.7	16.2	16.6	24.2	25.5	27.0	29.7	9	14	11	
Consumer goods (nonfood) ⁴	4.2	7.4	13.2	17.2	21.8	26.9	30.6	34.4	38.7	16	19	15	

¹ Preliminary.² Includes other end-use items, not shown separately.³ Includes engines.⁴ Excludes automotive.Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*.

Exports and Imports

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No. 1487. DOMESTIC EXPORTS AND GENERAL IMPORTS OF LEADING COMMODITIES—VALUE, BY AREAS: 1980 AND 1981

(In millions of dollars, except percent. Includes nonmonetary gold. F.a.s. (free alongside ship) transaction value basis)

SELECTED COMMODITIES	1980					1981				
	Total ¹	Canada	American Republics	Western Europe	Far East	Total ¹	Canada	American Republics	Western Europe	Far East
Domestic exports, total	216,868	34,102	35,278	66,283	47,799	228,961	38,299	36,902	63,747	46,394
Agricultural commodities	41,111	1,852	5,872	12,008	13,528	43,338	1,969	5,810	12,141	14,082
Nonagricultural commodities	175,336	32,250	29,707	54,254	34,271	185,623	36,309	32,392	51,606	34,242
Food and live animals	27,744	1,451	4,523	8,626	8,247	30,291	1,468	4,698	6,525	9,303
Meat and meat preparations	1,293	77	120	345	455	1,462	104	159	301	585
Grain and cereal preparation	18,079	178	3,142	3,059	6,191	19,457	188	2,984	3,067	6,784
Wheat and wheat flour	8,586	1	1,248	822	2,655	8,073	1	1,571	637	3,115
Corn	8,570	92	1,329	2,076	2,483	8,014	84	737	2,011	2,452
Beverages and tobacco	2,883	89	146	1,133	639	2,915	50	157	1,181	824
Crude materials, exc. fuels	23,791	1,826	1,747	9,211	9,815	20,993	1,826	1,604	7,983	8,257
Soybeans	5,883	105	295	3,282	1,759	6,200	73	285	3,586	1,835
Logs and lumber	2,675	251	91	510	1,868	2,069	270	99	324	1,197
Metal ores and scrap	4,518	546	318	2,052	1,528	2,718	524	280	883	983
Mineral fuels and related materials	7,982	1,843	843	2,888	2,113	10,279	1,904	772	4,143	2,822
Bituminous coal	4,523	805	285	1,884	1,368	5,808	904	228	2,890	1,891
Chemicals and related products	20,740	2,134	4,846	6,429	5,133	21,187	2,478	4,469	6,251	5,352
Manufactured goods	22,265	3,773	4,422	8,851	3,783	20,632	3,619	4,727	4,286	3,350
Textile yarn, fabric, articles	3,632	621	634	1,216	421	3,619	666	647	823	852
Iron and steel	3,123	537	1,165	517	389	2,880	778	1,021	323	280
Machinery	55,790	9,531	10,988	16,500	9,744	62,946	11,173	12,341	17,039	10,744
Power generating	8,428	1,855	1,482	2,207	1,319	9,465	2,232	1,866	2,835	1,286
Agricultural ²	3,104	1,154	703	389	178	3,523	1,356	856	366	117
General industrial	10,415	1,985	2,283	2,275	1,427	11,542	2,312	2,637	2,113	1,481
Office machinery and computers	8,709	1,011	798	5,007	1,225	9,810	1,281	932	5,273	1,437
Telecommunications	3,454	363	931	993	616	3,868	447	890	1,074	753
Electrical ³	10,485	1,372	1,748	3,035	3,165	11,494	1,844	2,041	3,499	3,541
Transport equipment	26,839	5,483	4,559	8,215	4,355	32,791	9,598	5,416	8,518	3,484
Automobile, motor vehicles ⁴	14,590	7,601	2,697	1,442	810	16,214	8,480	3,193	1,371	532
Aircraft and parts	12,816	707	1,302	4,563	3,585	14,736	978	1,679	4,786	2,736
Professional, scientific, and controlling instruments	5,256	722	624	2,182	945	5,980	866	777	2,315	1,113
General imports, total	244,871	41,488	28,952	48,802	61,626	261,306	46,414	32,023	51,865	73,499
Agricultural commodities	17,433	1,071	7,125	2,826	2,624	17,009	1,187	6,541	3,057	2,777
Nonagricultural commodities	227,438	40,385	22,726	43,591	58,944	244,301	45,247	25,482	48,798	70,712
Food and live animals	15,766	1,393	7,437	1,553	1,789	15,238	1,628	6,667	1,630	2
Meat and meat preparations	2,346	239	431	198	9	1,998	263	382	246	2
Fish, incl. shellfish	2,612	561	788	389	551	2,962	754	403	622	
Vegetables and fruit	2,048	81	1,162	229	456	2,687	111	1,829	242	447
Coffee	3,872	-	2,872	70	305	2,622	-	1,624	4	280
Beverages and tobacco	2,784	388	227	1,977	83	3,138	432	292	2,188	108
Crude materials, exc. fuels	10,516	5,239	1,103	683	1,348	11,189	5,313	1,277	789	1,514
Wood and paper base stocks	3,907	3,706	93	21	53	3,857	3,614	122	22	53
Metal ores and scrap	3,715	1,044	630	206	308	3,838	1,113	679	200	
Mineral fuels and related materials	82,924	7,114	12,821	4,560	5,825	81,417	7,700	13,964	8,086	6,343
Crude petroleum	65,717	2,207	8,487	3,987	4,650	61,940	1,932	8,963	6,732	5,408
Petroleum products	11,920	883	3,866	547	892	13,637	1,126	3,975	1,315	860
Natural gas	5,155	4,164	641	21	51	5,720	4,545	712	17	29
Chemicals and related products	8,593	2,494	536	3,953	986	9,446	2,916	867	3,930	1,279
Manufactured goods	32,211	8,176	2,435	7,833	10,109	37,292	8,791	2,834	10,158	12,212
Paper, paperboard	3,587	3,041	26	233	45	3,580	3,296	32	186	57
Iron and steel	7,370	1,030	368	2,172	3,291	11,211	1,398	537	4,139	4,426
Nonferrous metals	7,823	2,454	1,128	1,298	1,222	6,952	2,221	1,204	1,319	929
Machinery	31,914	4,014	2,291	10,225	15,035	38,212	5,104	10,323	18,546	
Power generating	3,834	906	218	2,088	617	4,578	1,261	318	2,168	892
General industrial	3,949	645	1,111	1,930	1,214	4,874	768	124	2,127	1,780
Telecommunications	6,716	314	772	323	5,289	8,910	378	849	309	7,353
Electrical ³	8,064	592	976	1,515	4,897	9,180	730	1,199	1,451	5,685
Transport equipment	26,843	8,291	375	7,412	12,321	31,415	9,892	408	8,938	13,916
Automobiles, buses, trucks	19,163	5,348	(2)	4,655	9,154	22,111	6,599	-	4,000	11,487
New passenger cars	16,777	3,801	(2)	4,608	8,367	17,540	-	(2)	3,924	9,324
Motor vehicle parts	4,971	2,078	291	1,021	1,551	4,108	2,280	314	844	522
Clothing	6,430	51	570	453	5,188	7,537	68	599	437	6,230
Footwear	2,809	24	310	935	1,454	3,019	22	448	905	1,572

¹Represents zero. ²Less than \$500,000. ³Includes countries and regions not shown separately. ⁴Includes revisions not carried to commodity group; therefore, commodity groups will not add to total. ⁵Agricultural machinery and parts and tractors, excluding tractor parts. ⁶Electrical machinery, apparatus, appliances, and parts. ⁷Includes motor vehicle and tractor parts, except tires, engines, and electrical parts.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade, Report FT 980*, December issue.

NO. 1488. EXPORTS AND IMPORTS OF MERCHANDISE, BY CONTINENTS, AREAS, AND COUNTRIES: 1970 TO 1981

[In millions of dollars, except percent. Includes silver ore and bullion. Beginning 1978, data include nonmonetary gold and beginning 1981, data include trade of Virgin Islands with foreign countries, see footnote 2 for exception. See *Historical Statistics, Colonial Times to 1970*, series U 317-352, for selected countries]

CONTINENT, AREA, AND COUNTRY	EXPORTS, DOMESTIC AND FOREIGN								GENERAL IMPORTS ¹							
	1970	1975	1978	1977	1979	1979	1980	1981	1970	1975	1978	1977	1979	1979	1980	1981
Total ¹	43,224	107,592	114,992	121,212	143,663	181,816	220,763	233,739	39,962	98,902	120,678	147,871	171,979	208,256	244,871	261,305
Developed countries ²	29,877	84,780	70,595	74,891	85,585	110,579	130,648	135,840	29,259	58,700	66,996	78,620	98,909	111,463	125,306	141,508
Percent of total	69.1	60.2	61.4	61.7	59.6	60.8	59.3	58.1	73.2	58.5	55.5	53.2	57.5	54.0	51.2	54.2
Developing countries ²	12,993	39,215	40,364	43,307	52,895	62,982	81,125	88,972	10,442	39,311	52,628	67,703	71,230	92,323	117,025	116,343
Communist areas, total	354	3,092	3,640	2,716	4,503	7,408	7,616	7,951	227	891	1,059	1,336	1,831	2,463	2,496	3,452
Africa.....	1,580	4,949	5,208	5,546	5,887	6,299	9,080	11,097	1,113	8,299	12,644	17,024	16,696	24,382	34,410	27,071
Asia.....	10,027	28,223	29,729	31,436	39,630	46,771	60,168	63,849	9,621	27,252	39,367	49,312	58,264	66,739	80,299	92,033
Oceania.....	1,189	2,340	2,690	2,877	3,484	4,319	4,876	6,436	871	1,506	1,171	1,728	2,350	3,072	3,392	3,363
Europe.....	14,817	32,732	35,901	37,304	39,929	54,342	67,512	65,377	11,395	21,623	23,640	28,802	36,483	41,681	46,602	51,856
North America.....	12,367	30,040	32,479	34,407	39,400	47,983	58,737	63,934	13,970	30,976	35,594	40,967	46,173	55,337	64,287	69,909
South America.....	3,244	8,803	8,595	9,272	10,990	13,572	17,377	17,732	2,968	7,232	7,781	9,343	10,308	13,172	14,400	15,527
Western Hemisphere.....	16,812	38,843	41,074	43,751	50,894	61,555	74,114	81,667	16,928	38,209	43,366	50,697	56,473	68,509	78,687	85,436
Canada.....	9,079	21,744	24,106	25,786	28,374	33,086	35,395	39,584	11,092	22,151	26,237	29,599	33,525	38,046	41,459	46,414
20 Latin American countries.....	5,695	15,655	15,487	16,371	20,185	26,259	36,030	38,950	4,779	11,847	13,228	16,450	18,556	24,767	29,952	32,023
Other Western Hemisphere.....	837	1,444	1,481	1,592	1,835	2,200	2,696	3,152	1,057	4,210	3,891	4,648	4,392	5,696	7,277	6,999
Central American Common Market.....	425	968	1,153	1,478	1,571	1,655	1,951	1,773	416	810	1,208	1,681	1,478	1,895	1,849	1,546
Costa Rica.....	95	212	255	323	335	413	496	373	117	179	233	285	293	389	356	365
El Salvador.....	64	194	232	314	366	351	272	308	48	182	287	450	293	443	427	259
Guatemala.....	100	255	334	377	398	467	552	559	87	173	293	405	342	413	435	349
Honduras.....	89	151	162	240	288	324	379	349	103	145	216	358	339	415	419	433
Nicaragua.....	77	156	169	223	184	100	250	184	61	131	181	183	211	234	211	140
Latin American Free Trade Association.....	4,885	13,773	13,395	13,920	17,499	23,223	32,274	35,260	4,071	10,100	11,208	13,906	16,195	21,793	26,735	28,961
Argentina.....	441	628	544	731	842	1,890	2,625	2,192	172	215	308	392	563	587	741	1,124
Bolivia.....	46	136	133	214	208	146	172	189	25	89	114	157	169	222	182	177
Brazil.....	840	3,056	2,809	2,490	2,961	3,442	4,343	3,798	670	1,467	1,797	2,241	2,826	3,118	3,715	4,475
Chile.....	300	533	508	520	725	885	1,353	1,465	157	136	222	273	385	440	515	604
Colombia.....	395	643	703	782	1,046	1,409	1,736	1,771	269	598	655	819	1,044	1,209	1,241	819
Ecuador.....	127	410	415	585	609	696	864	854	109	463	539	621	741	816	876	1,021
Mexico.....	1,704	5,141	4,990	4,822	6,680	9,847	15,145	17,789	1,219	3,086	3,598	4,694	8,094	8,800	12,580	13,765
Paraguay.....	18	33	36	51	90	126	109	108	11	19	20	24	51	184	81	46
Peru.....	214	896	573	500	501	720	1,171	1,486	341	397	379	513	654	1,181	1,366	1,224
Uruguay.....	41	51	54	74	90	127	183	163	19	24	62	87	123	90	97	158
Venezuela.....	759	2,243	2,628	3,172	3,728	3,933	4,573	5,445	1,082	3,625	3,574	4,084	3,545	5,166	5,321	5,566
Other Latin America.....	385	914	940	973	1,116	1,380	1,805	1,917	292	937	812	964	863	1,078	1,368	1,496
Cuba.....	(z)	(z)	(z)	1	(z)	(z)	(z)	1	-	(z)	(z)	(z)	(z)	(z)	(z)	(z)
Dominican Republic.....	143	453	432	424	473	610	786	772	184	634	523	637	537	665	787	926
Haiti.....	34	144	150	203	204	243	311	301	32	107	148	168	193	222	252	274
Panama.....	208	317	358	346	438	527	699	644	76	196	142	159	153	191	330	297

Other Western Hemisphere	837	1,444	1,481	1,592	1,835	2,200	2,688	3,152	1,887	4,210	3,891	4,842	4,392	5,898	7,277	6,999
Bahamas	173	208	199	224	284	334	396	441	82	890	670	1,058	977	1,587	1,469	1,262
Barbados	22	38	49	59	79	120	138	150	9	34	30	32	39	57	98	80
Belize	11	26	23	31	41	67	56	69	7	34	13	20	29	30	60	43
Bermuda	92	63	79	87	109	121	136	149	1	3	4	5	14	10	13	18
French West Indies	15	26	32	34	47	59	67	69	9	1	5	4	4	6	7	20
Greenland	1	8	4	3	1	1	3	1	2	7	8	17	20	20	14	15
Guyana	25	89	95	62	54	74	98	106	43	87	62	54	61	65	120	104
Jamaica	218	381	285	271	289	292	305	479	187	307	312	345	385	375	383	368
Leeward and Windward Islands	32	41	38	65	79	98	152	282	6	15	19	9	25	32	38	32
Netherlands Antilles	126	228	248	304	377	412	448	499	418	1,559	1,174	1,292	1,262	1,830	2,594	2,626
Suriname	35	79	93	119	115	114	136	138	56	108	87	119	137	108	109	180
Trinidad and Tobago	84	258	309	308	330	462	680	688	232	1,171	1,500	1,877	1,425	1,559	2,383	2,215
Other	4	3	24	27	30	46	74	81	8	4	8	16	13	19	23	38
Western Europe	14,463	29,945	32,366	34,760	39,929	54,342	67,512	85,377	11,199	20,892	22,783	27,855	36,483	41,881	46,892	51,855
OECD *	14,279	29,575	32,048	34,346	39,405	53,514	66,654	84,548	11,070	20,627	22,398	27,310	36,072	41,272	46,137	51,399
European Economic Com. *	11,501	23,315	26,000	27,831	32,747	43,402	54,801	52,383	9,274	16,843	17,990	22,383	29,173	33,476	36,384	41,624
Belgium and Luxembourg	1,195	2,417	2,993	3,138	3,653	5,187	6,861	5,788	696	1,199	1,119	1,463	1,762	1,741	1,914	2,297
Denmark *	227	445	444	532	585	732	863	887	284	484	580	583	694	707	727	880
France	1,483	3,031	3,446	3,503	4,186	5,567	7,485	7,341	942	2,184	2,509	3,032	4,051	4,788	5,285	5,851
Germany, Fed. Rep. of	2,741	5,194	5,731	5,989	6,957	8,478	10,960	10,277	3,127	5,410	5,592	7,238	9,982	10,955	11,893	11,379
Greece *	203	450	591	539	699	611	922	676	52	110	146	174	167	183	292	359
Ireland *	112	190	280	378	527	695	836	1,025	136	178	201	238	320	323	413	496
Italy	1,353	2,867	3,071	2,790	3,361	4,382	5,511	5,380	1,316	2,457	2,530	3,037	4,102	4,917	4,325	5,189
Netherlands	1,651	4,193	4,648	4,812	5,683	6,917	8,689	8,595	528	1,089	1,080	1,488	1,802	1,853	1,913	2,366
United Kingdom *	2,536	4,527	4,801	5,951	7,116	10,635	12,894	12,439	2,194	3,773	4,254	5,141	6,514	8,028	9,842	12,835
Other OECD *	2,778	6,260	6,048	6,715	6,658	10,111	12,053	12,185	1,796	3,784	4,407	4,928	6,899	7,797	9,753	9,776
Austria *	74	181	197	245	280	312	447	484	120	243	237	281	407	379	389	382
Finland *	99	261	243	195	215	337	505	613	114	149	189	280	389	449	439	525
Iceland	13	32	35	36	39	48	79	71	47	85	124	159	174	228	200	196
Norway	196	510	500	541	558	687	843	892	142	403	651	768	1,190	1,267	2,632	2,477
Portugal	128	427	400	551	525	691	911	1,075	92	157	128	146	180	243	278	236
Spain	712	2,164	2,020	1,875	1,884	2,506	3,179	3,397	353	836	914	971	1,257	1,302	1,220	1,533
Sweden *	543	925	1,029	1,101	1,091	1,515	1,767	1,842	399	887	918	998	1,328	1,652	1,617	1,714
Switzerland *	700	1,153	1,173	1,749	1,728	3,660	3,781	3,022	459	879	1,025	1,180	1,820	2,076	2,803	2,448
Turkey	315	608	451	424	358	364	540	789	70	145	222	148	175	201	175	261
Other Western Europe	183	369	348	414	524	829	858	829	98	265	392	399	411	409	464	465
Yugoslavia	188	328	298	357	475	756	758	648	98	261	395	347	395	389	446	437
Other and Special Category *	15	41	51	57	49	72	102	180	3	4	6	12	16	20	18	18

See footnotes at end of table.

No. 1488. EXPORTS AND IMPORTS OF MERCHANDISE, BY CONTINENTS, AREAS, AND COUNTRIES: 1970 TO 1981—Continued

[In millions of dollars, except percent. See headnote, p. 836]

CONTINENT AREA, AND COUNTRY	EXPORTS, DOMESTIC AND FOREIGN								GENERAL IMPORTS ¹							
	1970	1975	1976	1977	1978	1979	1980	1981	1970	1975	1976	1977	1978	1979	1980	1981
Communist areas in Europe	364	2,787	3,504	2,544	3,679	5,664	3,660	4,338	226	731	698	1,132	1,502	1,866	1,437	1,555
Bulgaria	15	30	43	24	48	56	161	258	2	20	27	18	16	35	25	34
Czechoslovakia	23	53	149	75	108	281	185	63	24	31	37	37	58	51	68	67
German Dem. Rep.	33	17	65	36	170	356	478	296	8	11	14	17	35	36	44	46
Hungary	26	76	63	81	99	78	80	78	6	35	48	46	68	110	107	129
Poland	70	583	823	439	680	793	714	682	96	243	310	324	434	423	418	365
Romania	66	181	250	260	319	601	722	504	13	133	197	232	345	328	312	581
Soviet Union	119	1,835	2,310	1,628	2,252	3,607	1,513	2,431	72	255	220	453	536	874	454	348
Other	(2)	2	1	1	5	12	7	6	(2)	3	3	5	(2)	9	10	3
Asia	10,627	26,223	29,729	31,436	39,830	48,771	60,166	63,846	9,821	27,362	39,367	48,312	68,264	66,736	80,269	82,033
Japan	4,652	9,563	10,145	10,529	12,685	17,581	20,790	21,823	5,875	11,425	15,504	18,550	24,458	26,248	30,714	37,812
Communist areas	(2)	305	136	176	824	1,725	3,758	3,613	1	160	203	204	328	587	1,058	1,887
Other Asia	5,375	18,358	19,448	20,756	25,921	26,866	35,622	38,413	3,745	15,667	23,660	30,558	33,478	36,894	48,526	52,524
Near East Asia	1,346	8,263	9,234	10,036	12,412	11,030	11,800	14,964	348	6,401	9,911	12,849	11,813	14,968	16,872	18,543
Bahrain	12	90	280	203	157	159	197	297	6	100	30	75	29	11	16	35
Iran	326	3,244	2,772	2,731	3,685	1,021	23	800	67	1,368	1,480	2,802	2,977	2,784	488	64
Iraq	22	310	362	211	317	442	724	914	3	19	110	381	243	618	460	164
Israel	582	1,551	1,409	1,447	1,925	1,855	2,045	2,521	150	314	423	572	720	750	950	1,243
Jordan	63	186	234	302	235	334	407	727	(2)	1	(2)	3	1	4	3	2
Kuwait	62	368	472	548	745	765	886	976	25	111	38	215	50	87	494	86
Lebanon	64	368	48	124	142	227	303	298	13	33	5	42	15	15	33	19
Saudi Arabia	141	1,502	2,774	3,575	4,370	4,875	5,768	7,327	20	2,623	5,213	6,347	5,307	7,883	12,648	14,391
Syria	11	128	273	134	143	228	239	143	2	7	10	16	37	165	26	83
Other	52	508	580	762	683	1,123	1,307	1,464	61	796	1,702	2,395	2,535	2,573	3,584	2,456
East and South Asia	4,030	10,095	10,213	10,697	13,506	18,436	23,722	23,448	3,397	10,887	14,848	17,710	21,886	24,805	29,884	33,960
Afghanistan	10	18	13	13	17	66	11	6	4	8	12	15	12	12	8	13
Burma	11	10	13	13	29	32	29	34	1	2	2	1	4	12	9	15
China, Taiwan	527	1,659	1,635	1,798	2,342	3,272	4,337	4,305	549	1,946	2,989	3,671	5,170	5,902	6,054	8,049
Hong Kong	406	808	1,117	1,292	1,625	2,083	2,866	2,635	944	1,573	2,413	2,894	3,474	3,995	4,739	5,428
India	572	1,290	1,136	779	948	1,167	1,869	1,748	298	548	708	776	978	1,038	1,098	1,202
Indonesia	266	810	1,035	763	751	981	1,545	1,302	182	2,222	3,004	3,475	3,807	3,821	5,217	6,022
Kampuchea	2	66	(2)	(2)	(2)	4 190	26	12	1	1	(2)	(2)	(2)	(2)	(2)	1
Korea, Republic of	843	1,762	2,015	2,371	3,180	4 190	4,885	5,116	370	1,442	2,404	2,883	3,746	4,047	4,147	5,227
Laos	6	4	(2)	(2)	1	1	(2)	(2)	(2)	(2)	1	1	1	2	1	1
Malaysia	87	393	506	561	726	932	1,337	1,537	270	772	940	1,318	1,519	2,146	2,577	2,183
Pakistan	325	372	394	293	496	528	642	482	80	49	70	56	84	120	128	174

Philippines.....	373	832	818	786	1,041	1,570	1,999	1,787	472	756	883	1,110	1,207	1,490	1,731	1,964
Singapore.....	240	994	965	1,172	1,462	2,330	3,033	3,003	81	534	695	883	1,068	1,467	1,921	2,114
Sri Lanka.....	12	38	37	53	63	57	62	91	26	40	43	67	61	100	126	154
Thailand.....	150	357	347	510	629	961	1,263	1,170	100	217	276	346	439	600	816	946
Other and Special Category ¹	416	661	151	205	217	265	378	211	17	154	207	214	295	353	484	487
Oceania.....	1,189	2,340	2,690	2,877	3,464	4,319	4,876	6,436	871	1,506	1,671	1,728	2,350	3,072	3,392	3,353
Australia.....	986	1,815	2,185	2,356	2,912	3,617	4,093	5,242	611	1,147	1,211	1,185	1,659	2,164	2,509	2,465
New Zealand and W. Samoa.....	135	411	417	405	409	533	599	940	222	245	330	357	528	707	703	718
Other.....	68	114	88	116	143	169	184	254	38	116	130	186	166	201	180	170
Africa.....	1,590	4,949	5,206	5,546	5,897	6,299	9,060	11,097	1,113	8,299	12,644	17,121	16,998	24,382	34,410	27,071
Algeria.....	62	632	487	527	374	404	542	542	10	1,359	2,209	3,104	3,482	4,943	6,577	5,038
Angola.....	36	53	35	38	32	92	111	268	68	425	264	227	227	325	742	904
Cameroon.....	19	30	40	54	52	61	93	152	25	18	24	38	77	203	605	625
Central African Republic.....	1	1	1	1	1	1	1	1	6	5	2	4	7	5	9	6
Egypt.....	77	683	810	982	1,134	1,433	1,874	2,159	23	28	93	170	105	381	539	397
Ethiopia.....	26	70	78	58	24	103	72	62	67	49	94	94	96	109	87	83
Gabon.....	7	59	46	30	97	32	48	128	9	197	190	229	184	322	343	432
Ghana.....	59	100	133	146	126	91	127	154	91	151	155	214	215	225	206	246
Ivory Coast.....	36	78	64	89	93	128	185	130	92	157	248	300	415	363	288	344
Kenya.....	34	49	43	77	138	61	141	150	23	36	60	92	51	50	54	52
Liberia.....	46	90	85	91	108	107	113	128	51	96	99	106	133	136	128	113
Libya.....	106	232	277	314	425	468	509	813	39	1,045	2,243	3,817	3,779	5,256	8,595	5,301
Madagascar.....	7	7	6	7	9	61	7	16	32	46	60	76	106	69	91	69
Mauritania.....	4	14	19	9	8	7	20	27	1	(Z)	(Z)	(Z)	1	(Z)	(Z)	(Z)
Morocco.....	89	200	297	372	406	271	344	429	10	10	17	22	44	40	35	36
Mozambique.....	22	18	13	13	20	30	69	35	18	36	41	68	39	50	105	83
Nigeria.....	129	536	770	958	985	632	1,150	1,523	71	3,281	4,938	6,152	4,709	8,161	11,105	9,249
South Africa, Republic of.....	563	1,302	1,348	1,054	1,080	1,413	2,463	2,912	290	840	925	1,281	2,259	2,616	3,321	2,445
Sudan.....	7	103	106	87	157	103	142	208	12	8	24	18	14	16	17	58
Tanzania.....	12	66	36	39	48	36	62	48	24	29	47	80	81	46	32	19
Tunisia.....	49	90	82	111	83	175	173	222	3	26	56	11	21	95	80	10
Uganda.....	4	15	6	14	(Z)	1	12	7	48	61	107	246	82	82	126	101
Zaire.....	62	188	99	114	83	113	155	141	41	67	193	173	225	266	418	423
Zambia.....	31	86	48	49	44	68	98	68	2	(Z)	161	102	116	121	200	114
Other.....	89	251	277	312	359	405	549	774	59	331	396	519	430	482	727	923

- Represents zero. Z Less than \$500,000. ¹ 1970-1975, customs value basis; thereafter, f.a.s. value basis. ² Includes revisions not carried to area values; therefore, area values will not add to total. ³ Developed countries include Canada, Western Europe, Japan, Australia, New Zealand, and South Africa; developing countries include rest of the world excluding Communist areas in Europe and Asia. Assignment of countries generally follows that made by United Nations. (See table 1518.) ⁴ OECD=Organization of Economic Cooperation and Development. ⁵ As of 1973, United Kingdom, Denmark, and Ireland and, as of 1961, Greece, became members of EEC. For consistency, data for all years are shown on same basis. ⁶ Includes Special Category exports, if any. ⁷ Prior to 1975, security regulations required that information on exports of Special Category commodities be excluded from the totals for certain countries.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 980, monthly, and unpublished data.

No. 1490. PERCENT DISTRIBUTION OF U.S. DOMESTIC EXPORTS AND GENERAL IMPORTS, BY BROAD COMMODITY GROUPS: 1960 TO 1981

COMMODITY GROUP	1960	1966	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Exports:												
Food and live animals	13.2	14.7	10.2	17.0	14.4	14.8	13.9	11.8	13.0	12.5	12.8	13.2
Beverages and tobacco	2.4	1.9	1.6	1.4	1.3	1.2	1.3	1.6	1.6	1.3	1.2	1.3
Crude materials, inedible ¹	13.7	10.5	10.8	11.9	11.3	9.2	9.6	11.0	11.0	11.6	11.0	9.2
Mineral fuels and related materials	4.1	3.5	3.7	2.4	3.5	4.2	3.7	3.5	2.8	3.1	3.7	4.5
Chemicals	5.7	6.8	9.0	8.2	9.1	8.2	8.8	9.1	8.9	9.7	9.6	9.3
Machinery and transport equipment	34.3	37.3	42.0	39.7	39.3	43.0	43.7	42.2	42.0	39.5	39.1	41.8
Other manufactured goods	16.7	16.0	17.9	15.6	17.0	15.6	15.7	16.0	16.1	16.2	17.6	16.3
General imports:												
Food and live animals	19.9	16.1	13.5	11.5	9.4	8.8	8.5	8.5	7.9	7.4	6.4	5.8
Beverages and tobacco	2.6	2.8	2.1	1.8	1.3	1.5	1.3	1.1	1.3	1.2	1.1	1.2
Crude materials, inedible ¹	18.3	14.5	8.3	7.2	6.0	5.8	5.8	5.7	5.4	5.2	4.3	4.3
Mineral fuels and related materials	10.5	10.4	7.7	11.8	25.4	27.6	28.2	30.2	24.5	29.1	33.9	31.2
Chemicals	5.3	3.6	3.6	3.5	4.0	3.8	4.0	3.4	3.7	3.6	3.5	3.6
Machinery and transport equipment	9.7	13.8	28.0	30.3	24.0	24.4	24.7	24.7	27.7	26.0	24.7	26.6
Other manufactured goods	30.3	35.1	33.3	30.9	27.1	24.9	25.0	23.8	26.9	24.8	22.8	24.3

¹ Excludes fuels.

Source: U.S. Dept. of Commerce, International Trade Administration, *Overseas Business Reports, U.S. Foreign Trade*, annual. Also in U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, Report FT 900, monthly.

No. 1490. DOMESTIC EXPORTS, BY SELECTED COMMODITY GROUPS: 1965 TO 1981

(In millions of dollars. Totals and subtotals include data for commodities not shown separately. Beginning 1974, exports include nonmonetary gold. Commodity data beginning 1978 are not strictly comparable with previous years due to changes in export classifications; see source for changes. For 1977, adjustments have been made to the subtotals and to certain commodities to provide greater comparability with later years; and beginning 1980, includes trade of Virgin Islands with foreign countries (see footnote 1 for exception). "N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series U 274-294.)

COMMODITY GROUP	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
U.S. merchandise	27,176	42,580	97,234	106,561	113,908	119,005	141,138	178,578	216,888	228,901
Food and live animals	4,902	4,369	13,966	15,484	15,710	14,116	18,311	22,245	27,744	30,391
Meat and preparations	182	176	371	528	798	787	888	1,127	1,269	1,482
Meat, fresh, chilled, or frozen	136	147	336	481	758	750	894	1,057	1,217	1,389
Dairy products and eggs	191	137	67	134	129	189	190	161	255	433
Grains and preparations	2,637	2,598	10,331	11,642	10,911	8,755	11,634	14,450	18,079	19,457
Wheat and wheat flour	1,184	1,112	4,569	5,293	4,040	2,693	4,532	5,491	6,586	8,073
Rice	244	314	852	858	629	730	929	860	1,285	1,586
Coarse grains	1,135	1,072	4,873	5,272	6,242	4,913	5,920	7,804	9,888	9,501
Corn	839	824	3,772	4,448	5,223	4,178	5,301	7,022	8,570	8,914
Grain sorghums	299	198	689	699	642	804	531	688	1,080	1,174
Fruits and nuts	339	406	757	971	978	1,080	1,336	1,525	1,836	1,983
Fruit, fresh	145	164	328	404	434	458	530	624	718	802
Vegetables	148	178	391	406	556	517	554	605	662	1,131
Feed for animals	279	497	1,267	967	1,117	1,572	1,921	2,317	2,678	2,739
Beverages and tobacco	617	792	1,247	1,398	1,524	1,817	2,299	2,337	2,993	2,915
Tobacco and manufactures	506	679	1,193	1,253	1,457	1,732	2,125	2,148	2,426	2,723
Leaf tobacco	379	481	832	852	922	1,084	1,366	1,184	1,334	1,467
Cigarettes	106	159	391	396	510	615	749	808	1,055	1,229
Crude materials, inedible, exc.	2,866	4,966	10,834	9,784	10,891	13,866	15,666	20,756	23,791	20,993
Fuels	109	145	339	295	522	578	695	982	694	709
Hides and skins, except fur skins	650	1,216	3,537	2,695	3,315	4,393	5,210	5,708	5,893	6,200
Soybeans	181	176	290	281	329	327	399	576	685	624
Synthetic rubber	124	366	744	751	945	1,178	1,376	1,782	2,002	1,695
Wood in the rough ¹	119	183	468	413	563	551	616	1,015	1,080	933
Wood shaped or simply worked	94	182	399	342	471	444	452	778	778	853
Lumber, softwood	190	464	820	675	844	675	817	1,104	1,852	1,861
Textile fibers and wastes	617	543	1,782	1,345	1,411	1,809	2,302	3,046	3,829	3,402
Raw cotton, excluding linters	466	372	1,335	991	1,049	1,530	1,740	2,198	2,894	2,289
Ores and metal scrap	435	940	1,475	1,355	1,284	1,290	1,839	3,325	4,518	2,718
Iron and steel scrap	197	447	849	780	634	413	888	1,142	1,226	699
Ores and scrap, nonferrous base	154	367	522	481	499	600	693	1,820	1,223	699
Mineral fuels and related materials	947	1,595	3,444	4,470	4,236	4,184	3,981	5,516	7,962	10,276
Coal	477	962	2,437	3,259	2,910	2,656	2,048	3,328	1,811	5,888
Petroleum and products	418	486	792	908	998	1,280	1,564	1,914	2,823	3,888
Lubricating oils	166	175	299	275	292	306	467	639	723	789
Animal and vegetable oils and fats	472	483	1,439	944	978	1,389	1,821	1,846	1,946	1,799
Yellow, inedible	179	179	483	299	377	604	618	655	677	645
Soybean oil	162	182	519	295	238	440	580	776	999	474

See footnotes at end of table.

No. 1490. DOMESTIC EXPORTS, BY SELECTED COMMODITY GROUPS: 1965 TO 1981—Continued

[In millions of dollars. See headnote, p. 840]

COMMODITY GROUP	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Chemicals	2,408	3,626	4,819	6,991	8,969	10,812	12,823	17,306	20,740	21,187
Chemical elements and compounds	970	1,642	3,513	3,623	4,406	4,811	5,297	7,704	2,106	2,285
Dyeing, tanning, coloring materials	93	137	304	244	310	352	386	450	490	524
Medicinal, pharmaceutical prod	256	420	800	868	997	1,081	1,404	1,591	1,932	2,165
Fertilizers, manufactured	153	178	815	1,083	813	704	1,091	1,404	2,265	1,735
Plastic materials and resins ¹	425	653	1,818	1,169	1,672	1,838	2,068	3,241	3,864	3,809
Machinery and transport equip	10,136	17,892	38,188	45,968	49,801	50,248	58,298	70,491	84,828	88,738
Machinery ²	8,935	11,685	24,318	29,215	32,113	32,830	38,105	45,914	57,263	64,426
Power generating machinery	841	1,405	2,882	3,551	3,862	3,819	4,797	6,839	8,428	9,465
Agricultural machinery	219	182	544	704	707	717	844	1,088	1,295	1,420
Tractors and parts	646	750	1,484	2,128	2,223	2,084	2,316	2,720	2,150	2,298
Electronic computers, parts and accessories	256	1,238	2,198	2,228	2,586	3,264	4,359	5,671	7,783	8,741
Other office machines ³	215	311	501	411	349	621	647	604	946	1,069
Metalworking machinery	332	396	638	922	953	730	1,188	1,391	1,756	2,158
Metalcutting machines	159	213	264	344	290	258	338	350	397	574
Textile, leather machinery	207	273	528	486	457	423	486	626	693	685
Construction, excavating, and maintenance equipment	324	434	868	1,277	1,381	1,352	1,318	1,234	2,076	2,189
Material handling equipment	397	607	1,230	1,846	1,859	1,664	1,457	1,744	2,243	2,436
Air-conditioning and refrigerating equipment	210	397	858	928	1,065	1,245	1,562	1,468	1,523	1,694
Pumping equipment, incl parts	143	241	433	543	606	630	729	893	1,091	1,248
Pipe valves and parts	111	189	335	458	518	548	510	657	629	936
Power machinery, switchgear	472	611	1,492	1,709	2,139	2,301	2,690	3,140	3,254	3,835
Generators, generating sets	149	117	421	546	600	669	686	467	619	745
Transforming, converting, transmission apparatus	120	158	343	417	487	518	609	553	914	1,116
Telecommunications apparatus	345	680	1,381	1,574	1,997	2,360	2,689	2,957	3,454	3,856
Radio, television apparatus	304	578	1,157	1,339	1,729	1,827	1,831	2,148	2,236	2,525
Domestic electrical equipment	116	119	378	359	463	523	610	666	796	841
Transport equipment ⁴	3,204	6,197	13,871	16,452	17,388	17,619	21,163	24,577	27,366	31,310
Railway vehicles	136	91	282	462	392	305	305	284	452	486
Road motor vehicles, parts ⁵	1,744	3,245	7,248	9,290	10,132	10,687	12,150	13,904	13,117	14,733
Automobiles, nonmilitary, new	393	822	2,303	2,852	3,228	3,698	3,673	4,611	3,919	3,919
Trucks and tractor trucks, commercial, new	279	452	1,140	1,712	1,508	1,513	1,504	1,583	1,467	1,618
Parts, accessories, commercial	875	1,803	3,182	3,620	4,213	4,673	5,682	6,147	6,066	7,395
Aircraft, parts, and accessories	1,130	2,556	5,786	6,136	6,104	5,874	6,204	9,719	12,816	14,738
Civilian aircraft	478	1,526	3,366	3,169	3,204	2,747	3,616	6,177	8,256	8,613
Other manufactured goods	4,990	7,826	16,516	16,682	17,781	16,081	22,644	28,879	36,602	37,381
Tires and tubes	166	189	544	544	491	338	280	353	511	584
Paper and manufactures	389	622	1,522	1,447	1,624	1,517	1,597	1,987	2,831	2,961
Paper and paperboard	325	526	1,232	1,131	1,291	1,162	1,187	1,430	2,162	2,192
Nonmetallic mineral mfrs., n.e.c.	302	475	894	984	1,168	1,275	1,587	1,949	2,209	2,184
Metals and manufactures	1,787	2,978	5,725	5,861	5,180	5,149	6,101	7,926	12,071	10,153
Iron and steel mill products ⁶	607	1,188	2,500	2,382	1,633	1,608	1,646	2,227	2,998	2,801
Plates and sheets	184	335	687	327	338	272	402	567	936	663
Tubes, pipes, and fittings	180	228	852	1,412	778	677	798	1,077	1,080	1,252
Silver bullion, refined	51	31	28	104	93	39	56	228	1,327	181
Nonferrous base metals	539	693	1,301	1,080	1,088	1,058	1,048	1,745	2,964	2,046
Copper	293	358	415	333	262	198	310	425	434	388
Aluminum	169	358	478	433	469	480	555	899	2,022	1,297
Metal manufactures, n.e.c.	553	744	1,885	1,691	2,089	2,369	3,103	3,431	4,205	4,789
Tools for hand or machine	141	204	408	480	498	556	803	693	866	932
Textiles, other than clothing	526	603	1,795	1,624	1,971	1,970	2,225	3,189	3,632	3,619
Textile yarn and thread	131	145	407	298	374	417	370	621	753	902
Cotton broad-woven fabrics	98	103	384	376	499	438	426	626	586	348
Textile fabrics, woven, exc. cotton	135	151	413	386	423	399	472	721	832	797
Clothing	143	166	400	403	510	608	677	891	1,183	1,206
Professional, scientific, and controlling instruments ⁷	480	657	1,662	1,792	1,951	3,241	3,904	4,289	5,256	5,980
Photographic supplies	130	250	548	606	703	813	1,079	1,227	1,507	1,501
Printed matter	226	327	486	548	607	668	812	956	1,097	1,297
Other transactions	984	1,496	2,878	3,821	3,997	4,314	5,030	9,163	8,488	8,428
Firearms of war and ammunition	844	882	852	1,361	1,261	1,617	1,951	1,654	2,006	2,165
Shipments of \$500 or less, estimates ⁸	245	692	1,563	1,572	1,190	1,244	1,487	1,796	2,119	2,368

¹Includes revisions not carried to commodity groups; therefore commodity groups will not add to total. ²Beginning 1977, includes pulp wood chips, formerly classified in "Other manufactured goods" under "Wood and manufactures." ³Beginning 1977 includes rubber materials, formerly classified in "Other manufactured goods" under "Rubber manufactures." ⁴Includes parts for tractors. ⁵Beginning 1978, includes photocopy apparatus, formerly classified in "Other manufactured goods" under "Photographic and motion picture equipment." ⁶Excludes parts for tractors. ⁷Excludes pig iron. ⁸Beginning 1977, electric measuring and controlling instruments are included in "Other manufactured goods" under "Professional, scientific, and controlling instruments", formerly classified under "Machinery." ⁹For 1965, data are estimates for shipments of \$100 or less.

Source: U.S. Dept. of Commerce, International Trade Administration, *Overseas Business Reports, U.S. Foreign Trade, annual*. Also in U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade, Report FT 980, FT 410 monthly*.

No. 1491. GENERAL IMPORTS, BY SELECTED COMMODITY GROUPS (F.A.S. TRANSACTION VALUE BASIS): 1965 TO 1991

(In millions of dollars. Prior to 1974, imports are on the customs value basis. Totals and subtotals include commodities not shown separately. "F.A.S." means free alongside ship. Beginning 1980, includes trade of Virgin Islands with foreign countries. "N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series U 295-319.)

COMMODITY	1965	1970	1974	1975	1976	1977	1978	1979	1980	1991
General imports	21,427	39,862	107,996	99,573	121,008	147,895	171,878	208,336	244,871	273,382
<i>C.I.F. values¹</i>	(NA)	42,429	107,996	103,389	129,585	157,580	183,083	216,927	256,984	273,382
Food and live animals	3,499	5,378	9,386	8,909	10,267	12,558	13,522	15,171	16,798	16,236
Cattle, except for breeding	98	111	108	77	159	186	250	249	228	182
Meat and preparations	426	1,014	1,353	1,141	1,447	1,276	1,856	2,536	2,348	1,986
Meat, fresh or frozen	231	547	806	640	840	743	1,242	1,866	1,756	1,195
Ham, shoulders, and bacon ²	132	241	350	387	—	366	445	365	336	325
Fish	489	794	1,500	1,356	1,855	2,056	2,212	2,639	2,612	2,962
Fruits and nuts	339	447	627	638	760	957	1,126	1,324	1,245	1,804
Bananas	182	188	197	220	277	305	360	383	416	542
Vegetables	139	289	386	355	428	583	711	737	802	980
Sugar	443	725	2,247	1,865	1,154	1,076	723	974	1,987	2,142
Coffee, green	1,066	1,160	1,505	1,661	2,632	3,910	3,726	3,820	3,572	2,622
Cocos or cacao beans	120	201	317	321	358	482	667	555	395	488
Tea	57	53	80	68	96	176	115	126	131	133
Beverages and tobacco	553	865	1,322	1,419	1,824	1,888	2,221	2,868	2,784	2,138
Alcoholic beverages	426	725	1,029	1,033	1,174	1,287	1,744	2,013	2,232	2,388
Tobacco, unmanufactured	121	111	254	343	392	322	396	436	422	427
Crude materials, inedible, except fuels	3,102	3,307	6,086	5,866	7,014	8,486	9,294	10,658	10,516	11,188
Hides and skins, except fur skins	80	51	78	78	89	97	106	136	88	101
Fur skins, undressed	113	59	79	79	101	122	142	183	143	168
Rubber, including latex	182	231	507	369	513	642	840	1,058	—	980
Lumber, softwood	318	439	1,007	797	1,356	1,972	2,595	2,727	1,984	1,880
Lumber, hardwood	57	51	134	89	97	124	141	163	145	149
Woodpulp	989	460	1,186	1,032	1,237	1,213	1,126	1,506	1,725	1,776
Textile fibers and wastes	436	202	225	174	249	222	248	231	242	343
Wool and other animal hair	282	116	74	73	123	117	147	134	146	210
Industrial diamonds	56	39	48	42	46	82	89	116	119	118
Asbestos, unmanufactured	70	75	131	117	149	152	182	144	97	108
Ores and metal scrap	971	1,149	1,855	1,978	2,251	2,742	2,813	3,247	3,715	3,836
Iron ore and concentrates	444	480	700	664	882	951	845	923	773	951
Silver ore and base bullion	56	49	164	96	75	84	106	166	342	250
Nonferrous base metals ³	421	522	888	783	895	1,362	1,556	1,672	2,291	1,722
Base metals, crude	143	185	163	267	330	426	415	410	432	443
Mineral fuels and related materials	2,221	3,076	25,464	29,476	33,986	44,637	42,096	60,081	62,934	61,417
Petroleum and products	2,082	2,784	24,293	24,614	31,794	41,756	39,104	56,046	77,637	75,577
Petroleum, crude and partly refined	1,215	1,448	18,546	19,293	26,384	33,910	32,134	46,100	65,717	61,940
Petroleum products	877	1,316	7,748	5,521	5,411	7,845	6,970	8,946	11,920	13,637
Natural gas	105	258	505	1,081	1,619	1,941	2,000	2,765	5,155	5,720
Animal and vegetable oils and fats	118	180	544	564	464	581	511	748	633	479
Chemicals and related products	788	1,480	4,018	3,886	4,772	4,970	6,430	7,486	8,583	8,446
Organic chemicals	160	365	1,363	1,027	1,193	1,436	1,736	2,158	2,541	2,874
Inorganic chemicals ⁴	158	371	740	635	937	1,171	1,627	2,058	2,313	2,358
Medicinal and pharmaceutical products	58	87	211	235	289	313	450	441	509	583
Fertilizers, manufactured	112	192	631	626	683	829	889	976	1,104	1,181
Machinery and transport equipment	2,848	11,172	24,080	23,467	29,824	36,407	47,880	53,678	66,558	66,827
Machinery	1,800	5,375	11,809	11,970	15,446	18,837	24,752	28,530	32,286	36,546
Engines and parts	195	782	1,501	1,615	1,934	2,137	2,886	3,004	1,888	2,251
Agricultural machinery	156	173	394	474	496	499	489	686	686	639
Tractors and parts	93	175	498	571	554	630	646	1,187	—	846
Office machines	138	506	1,007	1,062	1,341	1,568	2,254	2,500	2,829	3,583
Metaworking machinery	63	—	300	361	382	435	947	1,123	1,425	1,813
Textile and leather machinery	157	361	808	518	636	638	877	630	888	974
Power machinery and switch-gear	57	247	567	660	758	970	1,291	1,708	—	2,378
Telecommunications apparatus	314	1,102	2,261	2,077	3,655	4,854	6,136	6,175	6,716	8,810
Electron tubes, transistors, semiconductor devices, and parts	83	224	1,033	889	1,223	1,480	1,842	2,719	3,582	3,888
Transport equipment	1,148	5,798	12,281	11,487	14,376	17,571	22,836	25,148	28,280	31,081
Automobiles and parts	610	5,088	10,264	9,881	13,104	15,844	20,631	22,053	24,015	26,113
Automobiles, new	666	3,722	7,296	7,124	8,826	10,833	13,846	14,613	16,776	17,540
Motorcycles	134	307	914	707	485	641	682	606	1,146	1,293
Aircraft and parts	—	274	506	519	434	603	602	1,078	1,865	2,365
Other manufactured goods	7,526	13,286	27,145	23,927	30,179	36,176	46,298	61,071	66,976	63,471
Leather manufactures and dressed furs	87	118	186	132	247	238	353	426	389	567
Rubber tires and tubes	45	205	491	475	736	651	923	1,136	1,143	1,391
Wood manufactures (excl. furniture)	270	408	686	573	627	1,032	1,240	1,391	1,133	1,189
Paper and manufactures	870	1,087	1,862	1,673	2,109	2,402	2,823	3,386	3,967	3,974
Newsprint	790	930	1,503	1,427	1,742	1,878	2,101	2,322	2,885	2,871
Construction materials ⁵	71	108	245	186	203	282	472	638	550	586
Glass, glassware, and pottery	188	338	535	691	669	786	1,047	1,087	1,228	1,348
Diamonds, excluding industrial	308	433	776	780	1,018	1,462	1,873	1,882	2,852	2,188

See footnotes at end of table.

No. 1491. GENERAL IMPORTS, BY SELECTED COMMODITY GROUPS (F.A.S. TRANSACTION VALUE BASIS): 1965 TO 1981—Continued

[In millions of dollars. See headnote, p. 842]

COMMODITY	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Other manufactured goods—Con.										
Metals and manufactures	2,674	4,508	11,111	8,944	9,886	12,278	15,714	17,457	18,717	22,333
Pig iron and ferroalloys	94	78	394	558	538	528	573	702	678	883
Iron and steelmill products	1,140	1,952	4,756	4,037	3,809	5,302	6,851	6,784	6,692	10,347
Bars, rods, shapes, and pilings	377	488	1,507	830	848	1,128	1,366	1,524	1,420	1,747
Plates and sheets	475	806	2,058	1,880	1,795	2,709	3,329	3,071	2,505	2,998
Steel wire	79	119	299	225	211	283	341	320	293	288
Tubes, pipes, and fittings	144	349	739	1,006	792	971	1,378	1,543	2,193	4,836
Nonferrous base metals	1,198	1,502	3,038	2,083	2,941	3,380	4,357	4,678	5,182	5,270
Copper	425	532	1,189	419	777	855	1,088	984	1,470	1,279
Nickel	188	317	483	456	524	532	676	836	885	888
Aluminum	264	238	386	415	554	768	1,115	1,029	974	1,355
Lead	81	74	80	49	64	165	173	388	326	555
Tin	167	180	298	315	329	458	596	720	778	844
Silver, refined bullion	7	53	431	274	289	313	325	842	1,329	837
Platinum group metals	68	98	453	244	271	252	430	800	1,107	742
Metal manufactures, n.e.c.	367	825	2,039	1,769	2,051	2,503	3,333	3,671	3,732	4,170
Textiles, other than clothing	800	1,135	1,815	1,219	1,635	1,738	2,200	2,216	2,499	3,048
Textile yarn and thread	88	223	190	128	192	225	248	187	194	231
Cotton fabrics, woven	134	173	356	219	390	345	427	380	433	607
Textile fabrics, woven, exc. cotton ¹	423	499	828	439	521	589	719	775	408	572
Twine and cordage	48	36	185	123	82	78	78	112	114	104
Floor coverings	45	53	98	88	120	145	200	284	283	308
Clothing	541	1,289	2,331	2,582	3,634	4,100	5,857	5,876	6,430	7,537
Footwear	180	629	1,134	1,275	1,886	1,808	2,585	2,659	2,809	3,019
Professional, scientific, photographic, and controlling instruments ²	178	356	750	726	969	1,292	961	1,159	2,854	3,701
Clocks and watches	100	184	389	426	627	722	947	946	1,127	1,275
Musical instruments, sound recorders and reproducers, and parts ³	157	505	943	781	1,216	265	423	489	487	621
Printed matter	77	180	270	284	322	340	479	529	613	622
Articles of plastic and rubber, n.e.c.	71	236	425	429	602	606	744	871	916	1,006
Toys, games, and sporting goods	155	427	724	633	903	1,156	1,374	1,591	1,836	2,075
Artworks and antiques	141	162	948	677	580	720	1,312	1,487	2,672	2,056
Other transactions	730	1,274	2,258	2,519	2,638	3,336	4,018	4,806	7,225	7,296

NA Not available. ¹Value on a cost, insurance, and freight basis: cost (to the U.S. importer) of commodities at port of exportation plus insurance and freight to U.S. customs port of entry. 1970 is estimated. ²Canned, cooked, and boned.

³Prior to 1977, alumina is included under chemicals; thereafter, classified in crude materials. ⁴Materials of lime, cement, and clay. ⁵Excludes narrow or special fabrics. ⁶Beginning 1977, electric measuring and controlling instruments are included in "Other manufactured goods" under "Professional, scientific, photographic, and controlling instruments"; prior to 1977, classified under "Machinery." ⁷Beginning 1977, sound recorders included in "Machinery."

Source: U.S. Dept. of Commerce, International Trade Administration, *Overseas Business Reports, U.S. Foreign Trade*, annual. Also in U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, Report FT 990, monthly.

No. 1492. IMPORTS—COFFEE, TEA, AND COCOA AND CHOCOLATE: 1960 TO 1981

[All coffee on green coffee basis; exports and reexports include roasted and soluble coffee. See also *Historical Statistics, Colonial Times to 1970*, series P 227 and U 296-299]

ITEM	Unit	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981
Coffee imports	Mil. lb.	2,943	2,844	2,809	2,546	2,684	2,617	1,959	2,399	2,586	2,401	2,190
Value	Mil. dol.	1,003	1,058	1,180	1,504	1,582	2,833	3,851	3,728	3,819	3,872	2,823
Net per capita ¹	Lb.	15.9	15.0	13.7	12.6	12.4	12.3	9.5	11.0	11.6	10.4	10.1
Average price per lb.	Cents	34.4	37.6	44.4	59.1	58.2	100.6	197.1	155.4	148.8	161.5	119.8
Tea, net imports	Mil. lb.	114	130	137	178	159	181	203	152	175	185	190
Value	Mil. dol.	55	57	63	79	68	95	175	114	128	130	133
Cocoa and chocolate: ²												
Imports	Mil. lb.	677	934	847	728	743	816	878	588	501	379	408
Value	Mil. dol.	172	148	285	448	447	572	941	807	774	525	437

¹Source: U.S. Dept. of Commerce, Bureau of Industrial Economics. Based on total population including Armed Forces abroad as estimated by Bureau of the Census. ²Includes prepared, except confectionery.

Source: Except as noted, U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States, Quarterly Summary of Foreign Commerce of the United States, U.S. Imports for Consumption and General Imports*, Report FT 246; and unpublished data.

NO. 1483. IMPORTS FOR CONSUMPTION—VALUES AND DUTIES: 1950 TO 1981

[Imports are on customs value basis. Beginning 1965, includes uranium, thorium, and related products; beginning 1970, includes silver ore and bullion, and beginning 1980, includes trade of Virgin Islands with foreign countries. For basis of dollar values and for area coverage, see text, p. 819. See also *Historical Statistics, Colonial Times to 1970*, series U 207-212]

YEAR	VALUES				Duties calculated ¹ (mil. dol.)	RATIO OF DUTIES TO VALUES		Duties per capita ² (dollar)
	Total (mil. dol.)	Free (mil. dol.)	Dutiable (mil. dol.)	Percent free		Total imports (percent)	Dutiable imports (percent)	
1950	8,743	4,767	3,976	55	522	6	13	3.36
1955	11,337	6,037	5,300	53	633	6	12	3.76
1960	14,860	5,780	8,870	39	1,064	7	12	5.82
1965	21,283	7,434	13,849	35	1,643	8	12	8.35
1970	39,756	13,670	25,886	35	2,584	6	10	12.46
1971	45,518	15,286	30,230	34	2,767	6	9	13.36
1972	55,290	18,915	36,375	34	3,124	6	9	14.89
1973	69,024	26,256	42,768	41	3,620	5	8	17.26
1974	100,140	52,062	48,068	52	3,771	4	6	17.80
1975	86,518	31,030	55,486	32	3,780	4	6	17.70
1976	121,121	37,190	83,931	31	4,675	4	6	21.73
1977	147,075	43,633	103,442	30	5,485	4	6	25.30
1978	¹ 172,912	51,827	121,125	30	7,162	4	6	32.76
1979	² 205,850	103,278	102,846	50	7,202	3	7	32.85
1980	² 244,007	106,992	132,951	45	7,536	3	6	33.27
1981	259,012	76,338	182,674	29	8,893	3	5	39.70

¹1960 and 1965 data from U.S. Bureau of Customs. Customs duties (including import excise taxes) calculated on the basis of reports of quantity and value of imports of merchandise entered directly for consumption or withdrawn from bonded customs warehouses. ²Based on estimated population including Armed Forces abroad as of July 1, except 1970 and 1980 as of April 1. ³Total includes revisions not carried to free and dutiable values.

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States, Quarterly Summary of Foreign Commerce of the United States; Highlights of U.S. Export and Import Trade*, FT 980, monthly; and unpublished data.

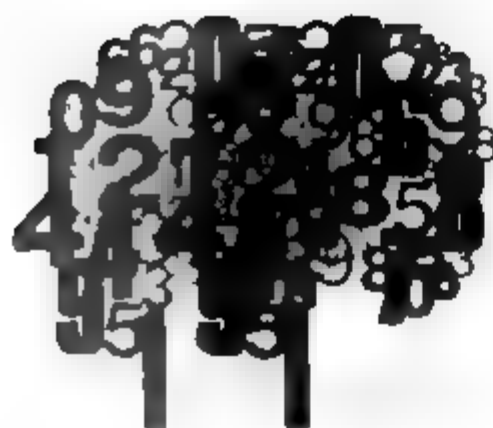
NO. 1484. DUTIABLE IMPORTS FOR CONSUMPTION AND PERCENT FREE OF TOTAL IMPORTS, BY SELECTED AREAS AND COUNTRIES—VALUE: 1960 AND 1981

[Includes imports of silver ore and bullion. For total value of general imports, see table 1486. N.a.c. = Not elsewhere classified]

AREA AND COUNTRY OF ORIGIN	VALUE OF DUTIABLE IMPORTS (mil. dol.)		PERCENT OF TOTAL IMPORTS FREE FROM DUTY		AREA AND COUNTRY OF ORIGIN	VALUE OF DUTIABLE IMPORTS (mil. dol.)		PERCENT OF TOTAL IMPORTS FREE FROM DUTY	
	1960	1981	1960	1981		1960	1981	1960	1981
Total imports ¹	132,951	182,674	45	29	United Kingdom ²	5,980	9,791	42	23
Developed countries ⁴	76,101	92,223	39	34	Other OECD countries ²	6,411	7,712	34	19
Developing countries ⁵	56,216	87,643	51	23	Austria	365	348	6	3
Communist areas	1,631	2,808	33	18	Spain	1,035	1,346	14	10
W. Hemisphere ³	25,822	36,162	67	53	Sweden	1,428	1,581	12	7
Canada	9,791	12,521	76	72	Switzerland	1,767	1,811	36	30
20 Latin Amer. Republics ⁶	12,852	20,820	57	34	Other Western Europe	184	206	58	55
Car. Amer. Common Mkt. ⁷	510	444	72	71	Yugoslavia	186	202	59	54
Latin American Free Trade Area ⁸	11,743	19,598	56	31	Communist areas in Europe ⁷	811	1,160	42	24
Argentina	315	594	57	47	Asia	67,251	77,714	27	14
Brazil	1,364	2,032	63	53	Japan	20,486	36,149	4	3
Chile	262	282	51	51	Near East Asia ⁹	7,867	15,836	54	15
Colombia	179	223	86	72	Iran	36	47	89	28
Mexico	6,524	10,119	48	26	Israel	498	76	47	93
Peru	399	606	73	47	Saudi Arabia	6,034	13,688	52	4
Venezuela	2,518	5,118	52	6	South Asia ¹⁰	736	640	49	60
Dominican Republic	399	517	49	43	India	570	411	48	85
Jamaica	35	28	91	82	Pakistan	90	125	29	27
Trinidad and Tobago	1,100	2,107	64	4	Asia, n.a.c. ¹¹	16,343	23,644	35	25
Netherlands Antilles	1,139	2,461	56	5	China, Taiwan	4,913	5,864	28	29
Europe	36,366	42,825	27	23	Indonesia	2,015	4,688	61	19
Western Europe	34,360	41,257	26	19	Malaysia	1,330	1,456	49	31
OECD countries ⁵	34,189	41,050	26	19	Philippines	1,299	1,268	26	35
Euro. Economic Comm.	27,758	33,338	24	19	Thailand	333	336	59	63
Belgium and Luxem.	1,489	1,269	22	43	Communist areas in Asia ¹²	820	1,645	21	10
Denmark ¹³	605	664	17	21	Oceania ¹⁴	1,876	1,791	46	64
France	3,773	4,236	26	26	Australia	1,362	1,314	45	65
Greece ¹⁵	193	302	33	6	New Zealand and W. Samoa	489	476	30	30
Ireland ¹⁶	314	406	21	19	Africa ¹⁷	13,128	21,887	89	19
Italy	3,615	4,684	12	9	Congo	16	174	81	35
Netherlands	1,106	1,765	42	25	Ghana	127	194	38	29
Germany, Fed. Rep. of	10,772	10,222	9	9	Nigeria	4,890	6,671	54	4
					South Africa, Republic of	613	505	61	79
					Egypt	126	349	72	12

¹Includes unidentified countries. ²See footnote 3, table 1486. ³Includes countries not shown separately. ⁴Guatemala, El Salvador, Honduras, Nicaragua, and Costa Rica. ⁵Organization for Economic Cooperation and Development. ⁶As of 1973. ⁷United Kingdom, Denmark and Ireland and, as of 1981, Greece became members of EEC. For consistency, data for all years are shown on same basis. ⁸German Dem. Rep., Czechoslovakia, Hungary, Poland, Soviet Union, Albania, Romania, and Bulgaria. ⁹Vietnam, China (Mainland), Outer Mongolia, and Dem. People's Rep. of Korea.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 980, monthly.



Section 32

Outlying Areas Under Jurisdiction of the United States

This section presents summary economic and social statistics for the Commonwealth of Puerto Rico, the principal territories of the United States (Virgin Islands, Guam, and American Samoa) and, wherever possible, the Trust Territory of the Pacific Islands including the Northern Mariana Islands.

Primary sources are the decennial censuses of population and housing, and the censuses of agriculture, business, and manufactures (taken every five years) conducted by the Bureau of the Census; the annual *Vital Statistics of the United States*, issued by the National Center for Health Statistics; and the annual *Income and Product* of the Puerto Rico Planning Board, San Juan.

Jurisdiction.—The United States gained jurisdiction over these areas as follows:

The islands of *Puerto Rico* and *Guam*, surrendered by Spain to the United States in October 1898, were ceded to the United States by the Treaty of Paris, ratified in 1899. Puerto Rico became a commonwealth on July 25, 1952, thereby achieving a high degree of local autonomy under its own constitution. The *Virgin Islands*, comprising 50 islands and cays, were purchased by the United States from Denmark in 1917. *American Samoa*, a group of 7 islands, was acquired by the United States in accordance with a convention among the United States, Great Britain, and Germany, ratified in February 1900.

The *Trust Territory of the Pacific Islands* (including the Northern Mariana Islands) comprises 2,141 atolls and islands, about 96 of which are inhabited. By an agreement approved by the Security Council and the United States in 1947, this territory, formerly under Japanese mandate, has been administered by the United States since July 1947 under the United Nations trusteeship system.

The Northern Mariana Islands are in the process of becoming a Commonwealth. Some data, formerly included in the *Trust Territory of the Pacific Islands*, are now shown separately.

For a brief summary of U.S. territorial development, see tables 5 and 339.

Censuses.—Because characteristics of the outlying areas differ, the presentation of census data for them is not uniform. The 1960 Census of Population covered all of the places listed above except the Trust Territory of the Pacific Islands (the census of which was conducted in April 1958 by the Office of the High Commissioner), whereas the 1960 Census of Housing also excluded American Samoa. The 1970 and 1980 Censuses of Population and Housing covered all five areas. The 1959 and 1969 Censuses of Agriculture covered Puerto Rico, American Samoa, Guam, and the Virgin Islands; the 1964 and 1974 censuses covered the same areas except American Samoa; and the 1978 census covered the same areas including American Samoa and the Northern Mariana Islands. Beginning in 1967, Congress authorized the economic censuses, covering business, manufactures, and, for Guam and the Virgin Islands, mineral industries, to be taken at 5-year intervals, for years ending in 2 and 7. Prior economic censuses were conducted in Puerto Rico for 1954, 1958, and 1963, and in Guam and the Virgin Islands for 1958 and 1963. In 1972, the census of construction industries was added for the first time for these three areas.

Information in other sections.—In addition to the statistics presented in this section, other data are included as integral parts of many tables showing distribution by States in various sections of the *Abstract*. See "Outlying areas of the United States" in the Index. For definition and explanation of terms used, see section 1, Population; section 5, Education; section 24, Agriculture; section 28, Construction and Housing; section 29, Manufactures; and section 30, Domestic Trade and Services.

No. 1495. ESTIMATED RESIDENT POPULATION, BY AREA: 1950 TO 1981

(In thousands. As of July 1. Includes estimates of Armed Forces stationed in area)

AREA	1950	1960	1970	1975	1980	1981		1950	1960	1970	1975	1980	1981
Puerto Rico	2,218	2,362	2,716	2,933	3,207	3,251	Trust Territory of the Pacific Islands ^{1,2}						
American Samoa	19	20	27	30	32	33		57	77	88	105	116	118
Guam	60	66	86	102	107	110		(NA)	(NA)	12	15	17	17
Virgin Islands	27	32	65	84	98	99							

NA: Not available. ¹Data consistent with apportionment census of September 1973 which showed a total population of 14,333 for the Marianas and 114,982 for the Trust Territory (Excludes 4,482 for Kwejalein Missile Range Facility and 289 with residence not specified.) ²Prior to 1970, the Trust Territory estimates include the Northern Mariana Islands; beginning with 1970, they exclude them.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 80, 336, and 919, and unpublished data.

No. 1496. ESTIMATES OF COMPONENTS OF POPULATION CHANGE, BY AREA: 1960 TO 1970 AND 1970 TO 1981

(In thousands, except percent. Resident population, including Armed Forces stationed in area. See table 5 for population totals. Minus sign (-) denotes decrease. For explanation of methodology, see source.)

AREA	APRIL 1, 1960 TO APRIL 1, 1970					APRIL 1, 1970 TO JULY 1, 1981				
	Net increase		Births	Deaths	Net migration ¹	Net change		Births	Deaths	Net migration ¹
	Num-ber	Per-cent				Num-ber	Per-cent			
Puerto Rico	362.0	15.4	734.0	172.0	200.0	536.0	19.9	837.0	219.0	78.0
American Samoa	7.1	35.4	10.1	1.9	-1.7	6.8	21.4	11.8	1.6	-4.5
Guam	18.0	26.8	25.8	3.4	-4.2	24.9	29.3	24.0	3.8	16.7
Virgin Islands	30.4	64.6	18.6	3.9	15.7	38.9	58.1	31.1	6.0	11.7
Trust Territory of the Pacific Islands ^{2,3}	20.3	26.6	30.9	4.8	-5.7	29.8	33.7	39.1	5.7	(¹)
No. Mariana Islands ²	(NA)	(NA)	(NA)	(NA)	(NA)	5.1	42.1	6.0	1.0	(¹)

NA: Not available. ¹Includes error of closure (the amount necessary to make the components of change add to the net change between censuses). ²See footnote 1, table 1495. ³The components shown for April 1, 1960 to April 1, 1970 include the Northern Mariana Islands, while those for April 1, 1970 to July 1, 1981 exclude them. ⁴Census taken in 1966, not 1960. ⁵Migration is derived as a residual. Because part of the residual migration in these areas reflects under-registration of vital statistics, migration figures are not shown.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 60 and 336, and unpublished data.

No. 1497. POPULATION, BY AGE AND AREAS, 1960 TO 1980, AND BY SEX, 1980

(In thousands, except median age. As of April 1, except as indicated. For population totals, see table 5. For definition of median, see Guide to Tabular Presentation.)

AREA, YEAR, AND SEX	Total, all ages	Under 5 yr	5-13 yr	14- 17 yr	18- 20 yr	21- 24 yr	25- 34 yr	35- 44 yr	45- 54 yr	55- 64 yr	65 yr and over	18 yr and over	Med- ian age (years)
Puerto Rico: 1960	2,349.5	354.4	608.7	220.8	123.6	134.1	262.9	238.0	180.8	123.8	122.2	1,185.6	18.5
1970, total	2,712.0	318.1	805.5	251.0	158.7	182.8	339.3	274.0	227.5	178.0	177.1	1,537.4	21.6
1980, total	3,196.5	340.7	597.0	283.4	184.3	213.6	465.9	358.9	274.8	224.5	252.6	1,975.5	24.6
Male	1,556.7	173.2	304.1	143.3	89.9	101.0	218.2	169.5	129.5	107.8	120.1	936.1	23.7
Female	1,639.8	167.4	292.9	140.1	94.4	112.5	247.7	190.4	145.3	116.7	132.4	1,039.4	25.5
American Samoa: 1960	20.1	3.7	5.7	2.1	1.0	1.1	2.3	1.8	1.2	7	.5	8.6	15.2
1970, total	27.2	4.7	7.5	2.6	1.6	1.6	3.2	2.4	1.8	1.0	7	12.3	16.1
1980, total	32.3	4.8	7.6	3.2	2.2	2.3	4.5	3.1	2.3	1.4	.9	16.7	18.8
Male	18.4	2.5	4.0	1.8	1.0	1.1	2.2	1.7	1.2	7	.5	6.3	18.4
Female	15.9	2.3	3.6	1.6	1.2	1.3	2.3	1.4	1.1	7	.5	8.4	18.2
Guam: 1960	67.0	10.8	16.2	3.6	4.3	5.0	12.2	8.8	4.4	1.9	1.1	37.4	20.8
1970, total	65.0	11.6	20.1	8.8	5.4	6.0	12.8	10.3	5.8	2.6	1.5	40.4	20.4
1980, total	106.0	13.0	21.7	9.9	6.7	6.8	19.6	11.3	9.2	4.8	3.0	62.4	22.3
Male	55.3	6.8	11.1	4.6	3.8	4.7	10.0	6.0	4.4	2.6	1.4	33.0	22.4
Female	50.7	6.4	10.6	4.3	2.9	4.1	9.6	5.3	3.8	2.2	1.6	29.4	22.1
Virgin Islands: 1960	32.1	4.9	7.1	2.7	1.4	1.7	3.9	3.5	3.6	1.9	2.2	17.3	20.7
1970, total	62.5	8.3	12.8	4.4	3.2	4.9	11.4	7.1	5.0	3.0	2.4	37.0	23.0
1980, total	98.6	10.7	21.4	8.7	4.7	5.1	14.8	12.6	7.6	5.5	4.5	54.8	22.5
Male	48.2	5.4	10.7	4.8	2.2	2.2	6.8	6.0	3.8	2.6	2.0	25.3	21.1
Female	50.4	5.3	10.7	4.0	2.4	2.9	8.2	6.6	4.1	2.9	2.5	29.4	23.6
Trust Territory of the Pacific Islands:													
1970, total	81.3	13.6	20.9	7.9	4.7	4.6	8.4	7.6	6.2	3.8	3.0	36.6	17.1
1980, total	116.1	21.0	30.4	10.5	7.0	7.8	15.1	8.0	6.7	5.4	4.2	54.2	16.5
Male	59.6	10.9	15.9	5.4	3.6	3.8	7.8	4.0	3.4	2.7	2.0	27.3	16.1
Female	56.6	10.0	14.5	5.2	3.4	4.0	7.4	4.0	3.3	2.6	2.2	26.9	16.9
Northern Mariana Islands:													
1970, total	9.8	1.8	2.7	1.0	.6	.6	.8	.7	.6	.4	.2	4.1	15.2
1980, total	16.8	2.5	3.9	1.5	.9	1.2	2.8	1.7	1.2	.7	.5	6.9	19.7
Male	8.8	1.3	2.0	.7	.5	.6	1.5	1.0	.7	.4	.2	4.9	20.9
Female	8.0	1.2	2.0	.8	.5	.6	1.3	.8	.4	.3	.3	4.0	18.5

¹As of September 15, 1980.

Source: U.S. Bureau of the Census, *Census of Population: 1980*, vol. 1; 1970, vol. 1, *Characteristics of the Population*, parts 81-85; and unpublished data.

NO. 1498. LAND AREA AND POPULATION CHARACTERISTICS, BY AREA: 1980

[As of April 1. See also table 339 for gross area (land and water). For definition of median, see Guide to Tabular Presentation]

ITEM	Puerto Rico	American Samoa	Guam	Virgin Islands	Trust Territory of the Pacific Islands	Northern Mariana Islands
Land area (sq. miles)	3,459	77	209	132	533	184
Total resident population	3,198,520	32,297	105,979	98,589	118,149	16,780
Per square mile	924.1	419.4	507.1	731.6	217.9	91.2
Percent increase, 1970-1980	17.9	18.9	24.7	54.6	42.9	74.1
Urban	2,134,365	5,660	41,875	37,730	35,153	2,678
Rural	1,062,155	26,637	64,104	58,839	80,996	14,102
Male	1,556,727	16,384	55,321	48,204	59,527	8,817
Female	1,639,793	15,913	50,658	50,365	56,622	7,963
Males per 100 females	94.9	103.0	109.2	91.7	105.1	110.7
Median age (years)	24.6	18.8	22.3	22.5	16.5	19.7
Male (years)	23.7	18.4	22.4	21.1	16.1	20.9
Female (years)	25.5	19.2	22.1	23.6	16.9	18.5
Marital status, persons 15 years old and over	2,187,246	19,090	69,007	61,791	61,795	9,975
Single	613,024	7,406	20,675	22,376	19,792	3,462
Married ¹	1,320,193	10,571	44,041	32,204	37,783	5,977
Widowed or divorced	254,029	1,113	4,291	7,211	4,220	536
Households and families:						
Population in households	3,176,511	31,963	101,000	95,949	115,039	16,234
Number of households	836,585	4,513	24,834	28,329	16,432	3,026
Population per household	4.99	7.08	4.07	3.39	7.00	5.36
Families	753,936	4,287	21,780	20,855	15,578	2,652
Husband-wife families	580,326	3,475	18,473	13,612	12,363	2,113

¹ Includes consensually married couples and separated couples.

Source: U.S. Bureau of the Census, unpublished data.

NO. 1499. POPULATION, BY PLACE OF BIRTH, PERIOD OF IMMIGRATION OF FOREIGN-BORN, AND CITIZENSHIP STATUS—BY AREA: 1970

[As of April 1]

ITEM	American Samoa	Guam	Virgin Islands	Trust Territory of the Pacific Islands	Northern Mariana Islands
Total resident population	27,159	84,996	62,468	81,300	9,640
Native-born, total	21,288	71,512	41,140	80,406	9,485
Percent of total	78.4	84.1	65.9	98.9	98.4
Born in U.S.	1,211	23,934	8,058	3,132	372
Born in a U.S. territory	20,067	47,472	29,088	77,272	9,113
Born in Puerto Rico	8	106	4,014	2	0
Foreign-born, total ¹	5,873	13,484	21,328	894	155
Percent of total	21.6	15.9	34.1	1.1	1.6
Europe	43	821	847	79	9
Asia	4,593	11,391	225	306	122
Americas, other than U.S.	20	228	18,964	33	4
Other	1,021	120	94	70	9
By period of immigration:					
Before 1950	700	879	1,047	55	17
1950-1959	788	1,255	1,554	274	3
1960-1970	4,385	11,350	18,727	565	135
By citizenship status:					
Naturalized	149	3,491	2,165	374	38
Permanent alien	4,331	5,027	7,619	263	32
Temporary alien	1,336	4,045	11,309	188	55
Born abroad of American parents	57	921	235	69	30

¹ Includes foreign-born persons for whom country was not reported.Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1, *Characteristics of the Population*, parts 54-58.

No. 1500. VITAL STATISTICS—SPECIFIED AREAS: 1950 TO 1979

[Births, deaths, and infant deaths by place of residence; marriages and divorces by place of occurrence. Rates for 1950, 1960, and 1970 based on population enumerated as of April 1; for all other years, on population estimated as of July 1]

AREA AND YEAR	BIRTHS		DEATHS		INFANT DEATHS		MARRIAGES		DIVORCES ³	
	Num-ber	Rate ¹	Num-ber	Rate ¹	Num-ber	Rate ²	Num-ber	Rate ¹	Num-ber	Rate ¹
Puerto Rico:										
1950.....	86,038	38.9	21,895	9.9	5,807	67.5	20,532	9.3	3,591	1.6
1955.....	77,830	34.6	16,221	7.2	4,343	55.8	18,912	8.4	4,622	2.1
1960.....	76,914	32.5	15,791	6.7	3,307	43.3	⁴ 20,212	⁴ 8.6	5,218	2.2
1965.....	79,608	30.2	17,668	6.7	3,406	42.8	25,184	9.6	10,519	4.0
1970.....	87,628	24.8	18,080	6.7	1,930	26.6	29,905	11.0	9,688	3.6
1974.....	89,886	23.1	18,948	6.3	1,511	21.6	33,410	11.1	11,686	3.9
1975.....	89,702	22.5	17,805	5.8	1,335	19.2	32,731	10.6	12,985	4.2
1976.....	71,888	22.4	19,289	6.0	1,437	20.0	33,741	10.5	12,367	3.8
1977.....	75,191	22.6	19,778	6.0	1,514	20.1	34,541	10.4	12,085	3.6
1978.....	75,117	22.4	19,812	5.9	1,391	18.5	34,046	10.1	12,392	3.7
1979.....	73,761	23.3	(NA)	(NA)	(NA)	(NA)	33,072	10.4	13,471	4.3
Guam:										
1965.....	2,523	32.8	336	4.4	82	32.5	471	6.2	53	.7
1970.....	2,842	28.8	356	5.8	62	21.6	874	9.9	84	1.0
1974.....	3,164	33.0	423	4.4	74	23.4	2,523	26.8	207	2.2
1975.....	3,156	32.0	427	4.3	65	20.6	1,661	19.8	196	2.1
1976.....	3,038	32.5	446	4.8	55	18.1	1,538	16.5	275	3.0
1977.....	2,989	27.0	361	3.3	45	15.1	(NA)	(NA)	(NA)	(NA)
1978.....	2,888	25.4	398	3.5	45	15.6	1,769	15.2	381	3.1
1979.....	2,929	24.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Virgin Islands:										
1950.....	894	33.5	374	14.0	51	57.0	138	5.2	271	10.2
1955.....	913	33.1	311	11.3	41	44.9	221	8.0	103	3.7
1960.....	1,180	36.8	332	10.3	42	35.6	359	11.1	135	4.2
1965.....	1,998	46.2	416	9.6	80	30.0	595	13.7	249	5.7
1970.....	2,698	46.8	469	7.9	72	24.6	1,149	18.4	270	4.3
1974.....	2,449	27.7	462	5.2	61	24.9	1,254	14.2	460	5.2
1975.....	2,372	24.9	477	5.0	62	26.1	1,064	11.2	353	3.7
1976.....	2,343	24.8	447	4.7	66	29.0	933	9.9	399	4.2
1977.....	2,373	25.5	380	4.1	55	23.2	919	9.9	442	4.7
1978.....	2,524	26.3	461	4.8	54	21.4	1,131	11.8	484	5.0
1979.....	2,389	24.8	(NA)	(NA)	(NA)	(NA)	1,067	11.1	410	4.3

NA Not available. ¹Per 1,000 population. ²Per 1,000 live births. ³Includes reported annulments. ⁴Data are incomplete.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; Statistical Office of the United Nations, New York, N.Y., *Demographic Yearbook* 1969, 1974, and 1977 (copyright); and Department of Public Health and Social Services, Government of Guam, *Statistical Report—1978*.

No. 1501. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS, BY AREAS: 1980

[For school year, unless otherwise indicated]

ITEM	Puerto Rico	Ameri-can Samoa	Guam	Virgin Islands	Common-wealth of the Northern Marianas
Enrollment, fall.....	712,880	9,647	26,420	25,201	¹ 4,497
Elementary (kindergarten-grade 8).....	521,865	7,174	19,603	19,716	¹ 3,267
Secondary (grades 9-12 and post graduates).....	191,015	2,473	6,817	5,485	¹ 1,140
Average daily attendance.....	(NA)	(NA)	25,814	23,304	4,348
Percent of enrollment.....	(NA)	(NA)	93.6	91.2	96.2
Professional staff, fall.....	39,754	737	1,799	1,967	(NA)
Official/administrative.....	1,750	75	76	116	(NA)
Professional/educational.....	33,027	643	1,581	1,719	(NA)
Teachers.....	31,984	559	1,468	1,567	(NA)
Professional/other.....	1,977	19	142	132	(NA)
Average salary for classroom teachers (dol.).....	(NA)	(NA)	15,000	13,575	7,841
Average salary for other professional educational staff (dol.).....	(NA)	(NA)	16,000	16,882	8,542
Total estimated expenditures (\$1,000).....	(NA)	(NA)	41,234	48,317	9,324
Current expenditures ² (\$1,000).....	(NA)	(NA)	31,327	43,757	5,997
Per pupil ³ (dol.).....	(NA)	(NA)	1,214	1,878	1,414
Other current expenditures ⁴ (\$1,000).....	(NA)	(NA)	-	2,535	403
Capital outlay (\$1,000).....	(NA)	(NA)	9,967	2,025	2,824
Per pupil ³ (dol.).....	(NA)	(NA)	386	87	980

- Represents zero. NA Not available. ¹1979 data. ²Public elementary and secondary day schools. ³Annual expenditures per pupil in average daily attendance. ⁴Community services, summer schools, adult education, and community colleges.

Source: U.S. National Center for Education Statistics, *Statistics of Public Elementary and Secondary Day School Systems*, and unpublished data.

No. 1502. PUERTO RICO—SUMMARY: 1950 TO 1980

ITEM	Unit	1950	1960	1970	1973	1974	1975	1976	1977	1978	1979	1980
POPULATION												
Population	1,000	2,216	2,380	2,722	2,569	2,657	2,996	3,013	3,067	3,114	3,152	*3,210
Persons per family	Number	5.1	4.5	4.1	4.0	4.0	3.9	4.0	4.0	3.8	3.8	3.7
EDUCATION												
Enrollment, total	1,000	(NA)	737.6	925.8	982.0	1,000.9	983.8	1,010.3	1,016.2	1,030.4	1,021.3	1,031.1
Public day school	1,000	406.1	573.4	672.3	711.2	713.2	704.1	709.6	721.8	727.7	721.4	716.1
Other public	1,000	(NA)	76.4	103.9	103.6	105.0	89.5	81.9	87.3	86.3	82.9	85.6
Private schools	1,000	(NA)	63.3	92.3	96.4	93.8	95.7	103.4	95.7	97.3	92.6	99.3
College and university	1,000	12.6	24.5	57.3	80.6	88.9	94.4	105.4	111.3	119.0	124.3	130.1
Expenses	Mil. dol	37.6	87.4	268.8	364.6	380.5	396.4	499.9	491.8	647.3	702.0	*774.0
As percent of GNP	Percent	5.0	6.2	8.2	5.8	5.6	5.6	6.6	6.1	7.2	7.0	7.0
Public	Mil. dol	31.0	74.1	254.6	318.0	328.8	334.8	429.1	400.2	537.0	585.3	*646.0
Private	Mil. dol	6.6	13.3	34.2	46.6	51.7	61.6	70.8	91.6	110.3	116.7	*128.0
LABOR FORCE												
Total ¹	1,000	686	825	785	858	884	872	890	920	961	979	996
Employed ²	1,000	596	542	686	757	775	738	716	739	780	807	827
Agriculture ³	1,000	216	125	66	50	53	50	47	39	40	36	43
Manufacturing	1,000	55	81	132	142	147	137	133	144	156	160	157
Trade	1,000	90	97	128	146	148	141	140	145	149	155	*152
Government	1,000	45	62	106	143	147	151	156	168	180	190	*202
Compensation of employees	Mil. dol	386.9	926.9	2,600.2	4,029.5	4,379.0	4,846.5	5,030.9	5,359.7	5,868.1	6,525.4	7,202.0
Avg. compensation	Dollar	653	1,711	4,082	5,323	5,650	6,567	7,007	7,253	7,523	8,086	8,709
Salary and wages	Mil. dol	377.7	872.0	2,554.5	3,841.6	3,938.5	4,331.8	4,471.9	4,764.8	5,236.8	5,778.5	6,334.0
Unemployment	1,000	88	82	79	101	109	134	172	184	180	171	169
Unemployment rate ⁴	Rate	13	13	10	12	12	15	19	20	19	17	17
INCOME												
Personal income:												
Current dollars	Mil. dol	853	1,374	3,753	5,336	5,894	6,843	7,844	8,134	8,947	9,925	*11,114
Constant (1954) dollars	Mil. dol	763	1,240	2,654	3,390	3,364	3,425	3,560	3,658	3,842	4,053	*4,050
Disposable personal income:												
Current dollars	Mil. dol	858	1,334	3,565	5,040	5,564	6,448	7,182	7,601	8,481	9,367	*10,494
Constant (1954) dollars	Mil. dol	746	1,204	2,521	3,202	3,176	3,226	3,345	3,416	3,633	3,825	*3,824
Average family income:												
Current dollars	Dollar	1,495	2,812	5,874	7,448	8,192	9,168	10,260	10,704	10,997	12,070	*12,928
Constant (1954) dollars	Dollar	1,752	2,536	4,013	4,732	4,676	4,590	4,766	4,812	4,723	4,930	*4,710
BANKING												
Assets	Mil. dol	339	705	3,322	4,885	5,763	6,642	7,161	8,678	9,726	10,534	12,223
Debts	Mil. dol	319	835	2,548	4,256	5,536	6,930	7,768	8,237	8,106	8,039	13,399
Personal checking	Mil. dol	(NA)	(NA)	1,999	3,439	4,486	5,714	6,515	6,786	6,510	6,040	11,206
Personal savings	Mil. dol	(NA)	(NA)	94	139	197	166	203	251	295	320	423
Government accounts	Mil. dol	(NA)	(NA)	454	678	851	1,049	1,050	1,188	1,301	1,679	1,770
TOURISM												
Number of visitors	1,000	64.5	347.4	1,088.4	1,322.3	1,441.0	1,339.1	1,298.7	1,378.5	1,474.3	1,662.0	1,578.3
Visitor expenditures	Mil. dol	8.8	58.1	235.4	317.3	360.3	375.0	392.5	423.6	481.9	566.0	615.4
Average per visitor	Dollar	105	167	216	240	250	280	302	306	327	340	366
Net income from tourism	Mil. dol	1.7	19.4	69.6	140.7	132.9	137.8	140.7	159.7	176.5	206.3	226.4

NA Not available. ¹As of July 1. ²Preliminary. ³Beginning 1977, for population 16 years old and over. ⁴Includes other employment, not shown separately. Beginning 1978, for population 16 years old and over. ⁵Includes forestry and fisheries. ⁶Percent unemployed of the labor force.

Source: Puerto Rico Planning Board, San Juan, P.R., *Income and Product*, annual, and *Socioeconomics Statistics*, annual.

No. 1503. PUERTO RICO—EMPLOYMENT STATUS, 1960 TO 1981 AND BY SEX, 1980 AND 1981

(In thousands of persons 14 years old and over except, beginning 1977, 16 years old and over. Annual averages for calendar years of the civilian noninstitutional population.)

EMPLOYMENT STATUS	1960	1965	1970	1975	1977	1978	1979	1980			1981		
								Total	Male	Female	Total	Male	Female
Total	1,368	1,555	1,743	2,060	2,083	2,198	2,272	2,322	1,086	1,227	2,382	1,123	1,258
In the labor force	835	698	778	875	937	971	987	1,006	684	341	1,017	671	346
Employed	588	617	694	715	750	796	819	834	534	299	815	520	296
Working	525	585	658	667	693	748	769	782	506	275	765	490	274
35 hours or more ¹	406	470	570	487	521	581	591	587	394	193	547	363	184
Less than 35 hours ²	119	115	88	181	172	167	178	195	112	82	218	127	90
Not working	33	31	35	48	56	48	50	52	28	24	51	20	20
Unemployed	77	81	84	159	187	175	168	172	130	42	202	151	47
Percent	12.1	11.6	10.7	18.2	20.0	18.1	17.0	17.1	19.8	12.3	19.9	22.6	14.9
Not in labor force	734	856	965	1,224	1,156	1,227	1,285	1,316	431	886	1,365	452	912

¹Prior to 1977, 30 hours or more. ²Prior to 1977, less than 30 hours.

Source: Puerto Rico Dept. of Labor, Bureau of Labor Statistics, San Juan, P.R., unpublished data.

No. 1504. PUERTO RICO—GROSS PRODUCT AND IMPORTS: 1960 TO 1981

(In millions of dollars. For years ending June 30)

ITEM	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981, prel.
Gross Commonwealth Product	1,578	2,764	4,886	7,129	7,527	8,116	8,932	9,993	11,031	11,771
Average annual percent change ¹	8.0	10.5	11.1	8.7	5.6	7.8	10.1	11.8	10.4	6.7
Sales of domestic production and imports	2,897	4,872	8,440	14,545	15,813	17,591	19,306	21,837	24,858	26,522
Goods and services to P.R. users	2,012	3,479	5,964	10,112	11,126	11,585	12,830	13,870	15,589	17,114
Consumers	1,397	2,251	3,747	6,390	7,381	8,167	9,043	9,843	10,929	12,155
Commonwealth and municipal govts.	218	360	755	1,612	1,616	1,728	1,877	2,025	2,245	2,513
Construction	227	501	969	1,481	1,295	1,004	1,134	1,200	1,303	1,384
Producers durable equipment	128	219	413	426	489	532	601	664	726	757
Changes in inventories	42	126	50	203	365	154	175	138	386	325
Goods and services to rest of world	685	1,393	2,476	4,433	4,787	5,006	6,476	7,967	9,259	9,408
Other investments ²	-	-	-	133	21	22	-	14	12	2
Less: Imports of goods and services	1,221	2,108	3,752	7,549	8,406	9,497	10,373	11,858	13,839	14,752

- Represents zero or rounds to zero. ¹Change from previous year shown; for 1960, change from 1955. For explanation of average annual percent change, see Guide to Tabular Presentation. ²Includes investments by Puerto Rico Maritime Shipping Authority.

Source: Puerto Rico Planning Board, San Juan, P.R., *Income and Product*, annual, and unpublished data.

No. 1505. PUERTO RICO—NET INCOME, BY INDUSTRIAL ORIGIN: 1960 TO 1981

(In millions of dollars. For years ending June 30)

INDUSTRY	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981, prel.
All industries	1,349	2,230	3,696	5,920	6,208	6,660	7,402	8,208	9,072	9,722
Agriculture	180	190	178	310	322	292	369	399	390	399
Manufacturing	269	553	958	1,941	2,363	2,813	3,268	3,783	4,312	4,454
Chemicals and allied products	10	50	109	580	797	1,011	1,156	1,295	1,551	1,694
Metal products and machinery	55	82	192	478	598	741	848	1,059	1,187	1,281
Food and related products	67	125	181	274	303	315	418	417	451	456
Apparel and related products	51	69	172	205	245	268	317	319	341	357
Other manufacturing	106	207	324	423	440	481	529	703	813	716
Mining	2	5	7	6	6	5	6	5	9	9
Contract construction	87	175	338	409	347	290	307	334	345	343
Transp. and other public utilities ¹	127	213	342	621	648	730	780	905	1,025	1,101
Trade	237	402	631	945	1,030	1,126	1,232	1,406	1,552	1,636
Finance, insurance, and real estate	141	253	504	700	727	804	916	1,125	1,245	1,333
Services	127	250	448	727	791	895	987	1,079	1,191	1,291
Commonwealth Government ²	175	307	610	1,334	1,380	1,450	1,573	1,713	1,897	2,036
Rest of the world	-16	-118	-347	-1,072	-1,438	-1,754	2,026	-2,451	-2,893	-2,882

¹Includes radio and television.

²Includes public enterprises, not elsewhere classified.

No. 1506. PUERTO RICO—RECEIPTS AND EXPENDITURES OF THE CENTRAL GOVERNMENT, BY MAJOR ITEM: 1960 TO 1981

(In millions of dollars. For years ending June 30)

ITEM	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981, prel.
Receipts	351	672	1,275	2,029	2,402	2,926	3,073	3,417	3,712	4,186	4,439
Taxes	237	408	735	1,102	1,294	1,605	1,723	1,809	1,957	2,108	2,310
Personal	40	88	188	330	397	482	533	486	557	620	712
Corporate	26	54	92	169	167	171	180	237	273	325	343
Indirect business	172	265	456	603	730	972	1,010	1,086	1,126	1,162	1,255
Contributions to social insurance	45	81	162	270	335	362	372	398	441	477	513
Profits from govt. business enterprises	8	11	6	14	63	-78	-116	-50	-123	89	108
Interest and dividends	10	17	49	75	73	79	88	106	122	157	174
Sales of goods and services	9	37	67	97	112	138	145	151	164	173	191
Transfers from Federal Government	44	118	257	500	651	823	980	1,003	1,149	1,348	1,338
Transfers from private enterprises	-	-	-	(2)	(2)	(2)	(2)	(2)	1	1	1
Expenditures	287	548	1,106	1,957	2,416	2,617	2,779	2,996	3,166	3,570	3,919
Purchases of goods and services	227	417	831	1,422	1,725	1,754	1,873	2,026	2,181	2,418	2,704
Compensation of employees	174	307	610	1,091	1,334	1,360	1,450	1,573	1,694	1,897	2,038
Other purchases	103	197	390	585	671	675	698	772	813	830	854
Less: Capital expenditures	50	87	169	253	279	312	274	317	326	309	288
Interest	7	19	38	69	116	140	149	170	161	151	141
Subsidies	9	11	33	91	98	98	100	118	122	117	120
Transfer payments to persons	44	82	173	307	405	545	570	580	567	773	834
Transfer payments to Federal Government	(2)	19	30	47	71	80	86	81	106	111	121
Savings ¹	64	124	176	72	-13	311	296	432	547	636	691

- Represents zero. Z Less than \$500,000. ¹Includes disbursements for land acquisition, equipment purchases, and other capital investments.

Source of tables 1505 and 1506: Puerto Rico Planning Board, San Juan, P.R., *Income and Product*, annual.

No. 1507. PUERTO RICO—BUSINESS SUMMARY: 1972 AND 1977

(Sales and payroll in millions of dollars; for discussion of coverage, see text, pp. 799 and 800)

KIND OF BUSINESS (Based on 1972 Standard Industrial Classification System)	1972		1977			
	Estab- lish- ments	Sales	Estab- lish- ments	Sales	Pay- roll, entire year	Em- ploy- ees
Wholesale trade ¹	2,189	2,588	2,293	4,806	380	27,788
Motor vehicles, automotive parts and supplies	141	183	128	184	18	1,882
Drugs, ² and chemicals, allied products	172	222	154	372	35	3,487
Apparel, piece goods, and notions	168	116	150	136	8	946
Groceries and related products	500	780	486	1,420	51	8,208
Electrical goods	121	137	124	182	19	1,834
Machinery, equipment, supplies	297	259	342	358	50	4,773
Petroleum and petroleum products	34	207	71	587	11	896
Retail trade ³	28,884	2,918	36,278	4,788	423	78,391
Bldg. materials, hardware, garden supplies, mobile home dealers	943	216	1,347	346	33	5,309
Hardware stores	575	105	816	186	16	2,627
General merchandise group stores	1,357	330	1,081	479	62	10,481
Department stores	47	217	38	312	40	6,056
Food stores, eating and drinking places	18,639	905	22,477	1,583	122	25,822
Grocery stores, eating and drinking places	18,319	839	19,980	1,489	111	23,058
Automotive dealers, gasoline service stations ⁴	2,230	718	2,933	1,145	65	10,800
Motor vehicle dealers—new and used cars	306	456	254	607	31	4,028
Gasoline service stations	1,317	172	1,820	336	15	3,710
Apparel, accessory stores ⁵	2,360	295	2,796	486	60	11,527
Men's, boys' clothing and furnishing stores	529	86	529	117	13	2,255
Women's clothing, specialty stores	687	95	1,002	172	20	4,281
Family clothing stores	312	33	388	61	8	1,835
Furniture, home furnishings and equipment stores	1,420	212	1,522	270	28	4,927
Selected service industries ⁶	14,163	812	19,936	940	273	41,784
Hotels, motels, trailer parks, and camps	283	130	181	(D)	(D)	(D)
Personal services	2,882	51	3,180	72	16	3,574
Auto repairs, services, garages	1,438	63	2,285	(D)	(D)	(D)
Amusement, recreation services, motion pictures	7,622	67	9,753	133	19	3,743

D Withheld to avoid disclosure. ¹For week including Mar. 12. ²Includes data not shown separately. ³Includes drug proprietaries and druggists' sundries. ⁴For 1972, excludes arrangement of passenger transportation; dental laboratories; legal services; engineering, architectural, and surveying services.

Source: U.S. Bureau of the Census, *Census of Outlying Areas, Retail Trade, Wholesale Trade, and Selected Service Industries, 1977, Puerto Rico*, series OACTT-1.

No. 1508. PUERTO RICO—MANUFACTURES, BY INDUSTRY: 1972 AND 1977

INDUSTRY (Based on 1972 Standard Industrial Classification System)	1972			1977						
	Estab- lish- ments	All employ- ees	Value added by manu- facture ² (mil. dol.)	Estab- lish- ments	All employees		Production workers		Value of ship- ments ³ (mil. dol.)	Value added by manu- facture ⁴ (mil. dol.)
					Num- ber ¹	Pay- roll (mil. dol.)	Num- ber ¹	Wages (mil. dol.)		
All industries	2,340	149,748	1,915.4	2,297	146,861	987.0	126,236	738.8	10,137.1	4,087.2
Food and kindred products	321	27,739	343.4	324	21,407	149.0	17,249	103.3	1,456.6	485.6
Tobacco products	28	4,508	46.4	17	3,670	24.5	3,419	21.9	214.1	122.0
Textile mill products	81	7,819	87.1	63	6,001	29.5	5,743	26.5	183.0	108.8
Apparel and other textile products	473	39,624	252.5	366	35,294	151.8	33,066	131.1	593.3	278.9
Lumber and wood products	100	1,184	8.2	83	823	3.8	712	3.1	20.5	8.1
Furniture and fixtures	140	3,213	28.3	124	2,383	12.1	2,115	9.1	48.3	26.1
Paper and allied products	37	1,587	17.9	38	1,459	11.8	1,182	8.3	70.3	21.7
Printing and publishing	129	2,068	41.8	161	4,037	26.8	3,506	23.2	95.4	68.9
Chemicals and allied products	125	8,979	451.2	181	15,732	162.5	10,517	83.0	2,758.1	1,476.5
Petroleum and coal products	16	2,181	91.7	19	2,462	36.9	1,986	27.0	2,147.9	143.4
Rubber and misc. plastic products	56	3,494	27.4	77	5,962	43.4	5,514	35.9	236.8	147.6
Leather and leather products	57	6,811	38.3	47	6,185	28.3	5,605	28.3	125.2	55.7
Stone, clay, and glass products	189	6,250	73.1	175	4,987	36.8	3,857	28.3	229.9	102.7
Primary metal industries	16	956	14.3	35	1,567	12.7	1,194	8.7	91.5	48.5
Fabricated metal products	219	5,247	78.2	199	4,654	33.7	3,868	25.7	212.8	84.2
Machinery, exc. electrical	84	2,229	37.6	57	4,071	32.8	3,112	25.5	301.7	181.2
Electric and electronic equipment	105	14,671	189.8	131	14,785	108.8	13,465	84.7	716.4	403.1
Instruments and related products	25	712	8.8	69	6,789	52.1	6,061	39.1	409.0	257.3
Transportation equipment	44	6,086	84.2	26	1,127	8.2	952	6.7	47.4	28.1
Misc. manufacturing industries	115	3,720	35.3	85	3,487	27.3	2,879	21.8	178.9	87.8

¹Average for year. ²See footnote 6, table 1377. ³Represents net selling value, f.o.b. plant. Excludes freight charges and excise taxes. Includes extensive duplication arising from shipments between establishments in the same industry.

Source: U.S. Bureau of the Census, *Censuses of Outlying Areas, Manufactures, 1977, Puerto Rico*, series OACTA-1.

No. 1509. PUERTO RICO—CONSTRUCTION SUMMARY: 1972 AND 1977

[Money figures in millions of dollars]

INDUSTRY (Based on 1972 Standard Industrial Classification System ¹)	1972		1977				
	Estab- lish- ments	Total re- ceipts	Estab- lish- ments	Total re- ceipts	Payroll, entire year	Em- ployees	Value added
Construction ²	1,516	1,128	1,892	931	216	38,154	481
General building contractors and operative builders	684	693	777	555	120	20,261	195
General contractors, residential buildings	441	425	576	(D)	49	9,847	(D)
Single-family houses	384	299	548	162	40	8,256	59
Operative builders	82	157	70	145	17	3,109	45
General contractors, nonresidential buildings	181	111	131	(D)	54	7,325	(D)
Heavy construction, general contractors	150	207	158	151	37	5,164	88
Special trade contractors ³	648	216	705	202	56	9,515	110
Plumbing, heating, air-conditioning	103	47	132	39	9	1,361	19
Painting, paperhanging, decorating	48	(D)	52	(D)	3	585	(D)
Electrical work	125	47	134	51	14	2,163	27
Masonry, plastering, and tile setting	85	113	67	(D)	9	1,907	(D)
Carpentering and flooring	43	11	40	(D)	1	258	(D)
Concrete work	48	(D)	45	19	6	922	11

D Withheld to avoid disclosure. ¹See text, pp. 799 and 800. ²Includes industries not shown separately. ³Masonry only. ⁴Flooring only.

Source: U.S. Bureau of the Census, *Censuses of Outlying Areas, 1972, Construction Industries: Puerto Rico*, series OACT2-2 and *Censuses of Outlying Areas, 1977 Construction Industries, Puerto Rico*, series OACT7-3 (revised).

No. 1510. PUERTO RICO—AGRICULTURE: 1969 AND 1978

[1 cuerda = .97 acre. Tons specified are short tons]

CROP	LAND HARVESTED (1,000 cuerdas)		PRODUCTION (millions)			Sales, 1978 (mil. dol.)	CROP	LAND HARVESTED (1,000 cuerdas)		PRODUCTION (millions)		
	1969	1978	Unit	1969	1978			1969	1978	Unit	1969	1978
Sugarcane	180.4	105.2	Tons	5.9	2.8	39.5	Plantains	8.3	(NA)	Number	95	76
Coffee	125.5	83.2	Lb.	17.5	18.3	28.8	Bananas	14.1	(NA)	Number	229	229
Vegetables ¹	4.8	5.4	(X)	(X)	(X)	2.4	Oranges	16.2	(NA)	Number	134	48.1
Pineapples	3.5	2.8	Tons	5	(Z)	5.6	Taniers	5.2	4.2	Lb.	13.8	7.3
Tobacco	3.7	1.5	Lb.	4.8	2.3	1.3	Pigeon peas	6.2	5.5	Lb.	4.0	9.2

NA Not available. X Not applicable. Z Less than 50,000 tons. ¹For sale.

Source: U.S. Bureau of the Census, *Census of Agriculture: 1978*, vol. 1.

No. 1511. PUERTO RICO—MERCHANDISE IMPORTS AND EXPORTS: 1960 TO 1981

[In millions of dollars]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Imports	924	1,543	2,681	3,324	3,593	4,961	4,885	5,928	5,200	5,918	7,834	9,018	9,329
From U.S.	771	1,275	2,070	2,434	2,623	2,945	3,029	3,677	3,552	4,391	4,788	5,345	5,801
From other	153	268	611	890	970	2,016	1,856	2,251	2,649	2,527	3,046	3,673	3,528
Exports	604	1,006	1,680	2,241	2,727	3,275	3,000	3,735	4,516	5,123	6,539	6,576	7,047
To U.S.	588	999	1,583	2,070	2,479	2,871	2,633	3,298	4,009	4,499	5,720	5,643	6,024
To other	16	37	117	171	248	404	367	437	507	624	819	933	1,022

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States*, annual; *U.S. Trade with Puerto Rico and U.S. Possessions*, FT 800; and unpublished data.

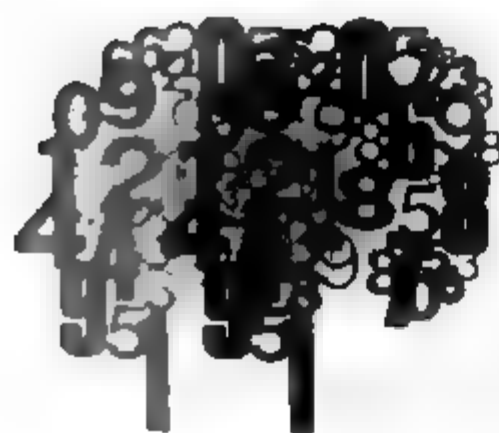
No. 1512. GUAM AND VIRGIN ISLANDS—ECONOMIC SUMMARY: 1977

KIND OF BUSINESS (Based on 1972 Standard Industrial Classification System ¹)	GUAM				VIRGIN ISLANDS			
	Estab- lish- ments	Sales and receipts (\$1,000)	Payroll (\$1,000)	Paid employ- ees ²	Estab- lish- ments	Sales or receipts (\$1,000)	Payroll (\$1,000)	Paid employ- ees ²
Total	900	608,202	74,388	19,496	2,211	(D)	119,894	14,989
Construction	74	85,467	19,986	2,533	150	44,321	13,615	1,308
Manufacturing	20	172,617	6,131	886	83	(D)	39,163	2,912
Wholesale trade	51	77,775	5,180	548	104	124,379	9,778	889
Retail trade	531	216,201	25,630	4,070	1,104	277,999	35,908	5,622
Selected services	224	55,142	17,360	2,570	770	75,763	22,342	4,047

D Withheld to avoid disclosing data for individual companies. ¹See text, pp. 799 and 800. ²For week including Mar. 12.

³Value of shipments; figure contains duplication.

Source: U.S. Bureau of the Census, *Censuses of Outlying Areas, 1977: Virgin Islands and Guam*, series OAC 77-5 and 77-6, ref.



Section 33

Comparative International Statistics

This section presents statistics for the world as a whole and for many countries on a comparative basis with the United States. Selected data are shown for area and population, births and deaths, social and industrial indicators, finances, agriculture, transportation and communication, and military affairs.

The principal sources for these data are the United Nations *Statistical Yearbook* and the U.S. Bureau of the Census biennial publication *World Population*. Statistics of the individual nations may be found primarily in official national publications, generally in the form of yearbooks, issued by most of the nations at various intervals in their own national languages, expressed in their own or customary units of measure. For handler reference, especially for international comparisons, the Statistical Office of the United Nations compiles data as submitted by member countries and issues a number of international summary publications, generally in English and French. Among these are the *Statistical Yearbook*, the *Demographic Yearbook*, the *Yearbook of International Trade Statistics*, the *Yearbook of National Accounts Statistics: Vol. II, International Tables: Population and Vital Statistics Reports* (quarterly); the *Monthly Bulletin of Statistics*; and *Yearbook of World Energy Statistics*. Specialized agencies of the United Nations also issue international summary publications on agricultural, labor, and education statistics. Among these are the *Production Yearbook* issued by the Food and Agriculture Organization, the *Yearbook of Labour Statistics* issued by the International Labour Office, and the *Statistical Yearbook* issued by the Educational, Scientific, and Cultural Organization.

The Bureau of the Census, in *Country Demographic Profiles*, series ISP-30, presents data on individual countries for both a recent census year and the current period; and in the biennial *World Population* series, estimates of basic demographic measures for countries and regions of the world. The *International Population Statistics Reports*, series P-90 and P-91, issued by the Bureau of the Census, also present population figures for many foreign countries.

The U.S. Arms Control and Disarmament Agency and the International Monetary Fund (IMF) also compile data on international statistics. In its *World Military Expenditures and Arms Transfers*, published annually, the Arms Control and Disarmament Agency presents data on various economic indicators, as well as basic military data. Among the topics presented have been military expenditures, GNP, imports and exports, and armed forces, by region and/or country. The IMF publishes a series of reports relating to financial data. These include *International Financial Statistics*, *Direction of Trade*, and *Balance of Payments Yearbook*, published in English, French, and Spanish.

Statistical coverage, country names, and classifications.—Problems of space and availability of data limit the number of countries and the extent of statistical coverage shown. The list of countries included is based almost entirely on a U.S. Department of State list of sovereign nations, dependencies, and areas of special sovereignty published biennially by the U.S. Department of State in *Status of the World's Nations*. Country names are shown here as specified in that publication. In the few cases where a lack of comparability exists between State Department and United Nations' terminology, the State Department's preferences are used.

The countries and regions in tables 1515, 1518, and 1519 are classified as either "more developed" or "less developed," according to a regional classification system used by the Census Bureau in its *World Population: 1978*. The system is based on the assumption that, within regions, levels of such factors as industrial development, literacy rate, gross reproduction rate, per capita income, etc., are somewhat constant. "More developed" countries comprise Japan, Australia, New Zealand, the Soviet Union, and those countries in Northern America and Europe. All others are "less developed".

Economic associations.—The Organization for European Economic Co-operation (OEEC), a regional grouping of Western European countries established in 1948 for the purpose of harmonizing national economic policies and conditions, was succeeded on September 30, 1961, by the Organization for Economic Co-operation and Development (OECD). The member nations of the OECD are Australia, Austria, Belgium, Canada, Denmark, Finland, France, Federal Republic of Germany, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom and the United States, plus Yugoslavia in special status category.

Quality and comparability of the data.—The quality and comparability of the data presented here are affected by a number of factors:

(1) The year for which data are presented may not be the same for all subjects for a particular country, or for a given subject for different countries, though the data shown are the most recent available. All such variations have been noted. The data shown are for calendar years except as otherwise specified.

(2) The bases, methods of estimating, methods of data collection, extent of coverage, precision of definition, scope of territory, and margins of error may vary for different items within a particular country, and for like items for different countries. Footnotes and headnotes to the tables give a few of the major time-period and coverage qualifications attached to the figures; considerably more detail is presented in the source publications. Many of the measures shown are, at best, merely rough indicators of magnitude.

It should be noted, for example, that in interpreting the absolute levels of GNP and per capita GNP, the market exchange rates used in converting national currencies to U.S. dollars do not necessarily reflect the relative purchasing power of the various currencies.

As a consequence, it should not be concluded, for instance, that Switzerland's individual standard of living in 1981 was 21 percent higher than that of the U.S., or that the U.K.'s was 30 percent lower, as the statistics may imply. (See table 1526.)

(3) Figures shown in this section for the United States may not always agree with figures shown in the preceding sections. Disagreements may be attributable to the use of differing original sources, a difference in the definition of geographic limits (the 50 States, conterminous United States only, or the United States including certain outlying areas and possessions), or to possible adjustments made in the United States figures by the United Nations or other sources in order to make them more comparable with figures from other countries.

Conversion factors.—To facilitate comparison in terms of familiar units, some items shown in metric units in the source have been converted to U.S. equivalents by means of the abbreviated conversion factors shown below. Additional conversion factors appear on p. xii.

Conversion Factors

<i>Metric units</i>	<i>U.S. equivalents</i>
1 square kilometer	0.3861 sq. mile
1 metric ton (1,000 kilograms).....	1.1023 short tons
1 hectolitre	26.4172 U.S. gallons
1 cubic meter.....	35.3147 cubic feet

NO. 1513. WORLD SUMMARY: 1960 TO 1981

[See text, p. 854, for general comments concerning quality of the data]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981
Population.....	Millions	2,986	3,288	3,610	3,967	4,212	4,284	4,357	4,432	4,508
Farm products, wood, fish:										
Barley.....	Mil. sh. ton.....	100	117	154	173	195	200	175	179	176
Coffee.....	Mil. sh. ton.....	4.7	5.6	4.2	4.9	4.7	5.2	5.4	5.3	6.4
Corn.....	Mil. sh. ton.....	226	250	289	359	384	430	461	432	491
Cotton (lint).....	Mil. sh. ton.....	11	13	13	14	15	15	16	16	17
Peanuts (groundnuts).....	Mil. sh. ton.....	15	18	20	21	20	21	21	22	21
Potatoes.....	Mil. sh. ton.....	314	314	344	316	354	304	313	249	283
Rice.....	Mil. sh. ton.....	261	282	348	397	406	425	415	441	456
Soybeans.....	Mil. sh. ton.....	30	40	51	76	87	85	101	92	97
Tobacco.....	Mil. sh. ton.....	4.2	5.0	5.1	6.0	6.1	6.3	5.9	5.9	5.9
Wheat.....	Mil. sh. ton.....	269	295	351	391	431	495	472	490	505
Wool, greasy.....	Mil. sh. ton.....	2.8	2.9	3.1	2.9	2.9	2.9	3.0	3.1	3.1
Roundwood.....	Bil. cu. ft.....	67	73	85	85	103	104	107	107	(NA)
Fish catches.....	Mil. sh. ton.....	44	59	75	76	78	79	79	80	(NA)
Industrial production:										
Electric energy.....	Bil. kWh.....	2,304	3,380	4,923	6,453	7,299	7,685	7,991	8,044	8,134
Energy (coal equivalent).....	Mil. sh. ton.....	4,677	5,911	7,791	8,940	9,765	9,958	10,439	10,293	(NA)
Coal.....	Mil. sh. ton.....	2,170	2,218	2,362	2,615	2,783	2,848	2,963	3,020	3,037
Lignite.....	Mil. sh. ton.....	700	816	874	951	996	1,017	1,074	1,098	1,110
Coke oven coke.....	Mil. sh. ton.....	274	346	388	404	407	401	427	423	(NA)
Crude petroleum ¹	Bil. bbl.....	7.7	11.1	15.7	19.3	21.6	22.0	22.9	21.8	20.5
Iron ore.....	Mil. sh. ton.....	283	359	464	576	544	584	548	547	531
Nickel ore.....	1,000 sh. ton.....	371	483	727	821	874	880	(NA)	(NA)	(NA)
Tin concentrate ²	1,000 sh. ton.....	153	171	204	194	208	219	237	238	231
Meat.....	Mil. sh. ton.....	66	77	93	106	113	115	119	121	121
Wheat flour ³	Mil. sh. ton.....	109	118	134	139	144	145	(NA)	(NA)	(NA)
Sugar.....	Mil. sh. ton.....	58	72	80	90	99	99	97	94	100
Wine.....	Bil. gal.....	6	8	8	8	7	8	10	9	(NA)
Beer.....	Bil. gal.....	11	13	17	21	20	21	(NA)	(NA)	(NA)
Cigarettes ⁴	Billions.....	1,699	2,296	2,666	3,112	3,332	3,404	(NA)	(NA)	(NA)
Noncellulosic fibers.....	1,000 sh. ton.....	772	2,260	5,368	8,223	9,996	10,769	11,700	11,554	10,627
Sawnwood.....	Bil. cu. ft.....	12	13	14	14	16	16	16	15	(NA)
Woodpulp.....	Mil. sh. ton.....	65	87	115	114	93	97	103	141	(NA)
Newsprint.....	Mil. sh. ton.....	15	19	24	23	25	27	28	27	27
Cement.....	Mil. sh. ton.....	349	477	626	766	860	912	888	838	809
Pig iron and ferroalloys.....	Mil. sh. ton.....	266	369	484	538	544	574	610	596	585
Crude steel.....	Mil. sh. ton.....	362	506	655	709	733	776	817	826	832
Magnesium.....	1,000 sh. ton.....	100	173	250	291	279	337	(NA)	(NA)	(NA)
Tin ⁵	1,000 sh. ton.....	163	166	202	193	196	212	237	238	231
Merchant vessels, launched ⁶	Mil. gr. ton.....	6.4	12.2	21.7	35.9	27.5	18.2	11.5	13.9	17.1
Motor vehicles.....	Millions.....	16.5	24.3	29.3	33.0	40.8	43.6	41.6	38.5	37.1
External trade:										
Imports, c.i.f.....	Bil. U.S. dol.....	135	197	329	602	1,162	1,347	1,683	2,054	2,026
Exports, f.o.b.....	Bil. U.S. dol.....	128	187	314	674	1,125	1,301	1,642	1,990	1,959
Transport:										
Railway freight.....	Bil. sh. ton-mi.....	2,266	2,673	3,438	4,104	4,366	4,484	4,544	4,544	4,678
Merchant shipping, freight ⁷	Mil. sh. ton.....	1,224	1,849	2,833	3,500	3,830	3,992	4,221	4,114	(NA)
Civil aviation, miles flown ⁸	Millions.....	1,926	2,548	4,353	4,670	5,024	5,279	5,662	5,862	(NA)

NA Not available. ¹Source: U.S. Energy Information Administration, *International Energy Annual*, Sept. 1981. ²Excludes People's Republic of China. Tin, tin concentrate, and merchant vessels exclude Soviet Union. For other exclusions, see source. ³Freight loaded. ⁴Scheduled services of members of International Civil Aviation Organization.

Source: Except as noted, Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook and Monthly Bulletin of Statistics*. (Copyright.)

NO. 1514. WORLD POPULATION AND AREA, BY SIZE OF COUNTRY: 1970 AND 1979

[Covers only countries listed in table 1518. See headnote, table 1518]

POPULATION CLASS	1970						1979					
	Countries		Population		Area		Countries		Population		Area	
	Total number	Per-cent of total	Total (mil.)	Per-cent of total	Total (1,000 sq. mi.)	Per-cent of total	Total number	Per-cent of total	Total (mil.)	Per-cent of total	Total (1,000 sq. mi.)	Per-cent of total
Total	198	100.0	3,729	100.0	51,448	100.0	198	100.0	4,418	100.0	51,448	100.0
Under 1 million.....	44	26.0	14	.4	1,073	2.1	43	25.4	17	.4	1,066	2.1
1-5 million.....	48	26.4	135	3.6	5,755	11.2	39	23.1	113	2.6	4,221	8.2
5-10 million.....	26	15.4	190	5.1	4,293	8.3	31	16.3	220	5.0	4,889	9.5
10-25 million.....	25	14.8	388	10.4	14,051	27.3	27	16.0	441	10.0	12,551	24.4
25-50 million.....	11	6.5	367	9.8	2,852	5.5	13	7.7	476	10.8	5,171	10.1
Over 50 million.....	15	8.9	2,635	70.7	23,422	45.5	16	9.5	3,152	71.3	23,560	45.8

Source: Compiled from data in U.S. Bureau of the Census, *World Population: 1979—Recent Demographic Estimates for 1979*, *Countries and Regions of the World, 1960 and Demographic Estimates for Countries With a Population of 10 Million or More, 1961, 1961; and U.S. Department of State, Status of the World's Nations*, biennial.

No. 1515. WORLD POPULATION AND GROWTH, BY CONTINENT AND REGION: 1960 TO 1982

[For explanation of "more developed" and "less developed" categories, see text, p. 853]

CONTINENT AND REGION	MIDYEAR POPULATION (millions)							ANNUAL RATE OF GROWTH ¹ (percent)				
	1960	1965	1970	1975	1980	1981	1982	1960- 1965	1965- 1970	1970- 1975	1975- 1980	1980- 1982
World total	3,062	3,360	3,730	4,115	4,498	4,577	4,654	1.9	2.1	2.0	1.8	1.7
More developed regions	945	1,002	1,049	1,096	1,136	1,144	1,152	1.2	.9	.9	.7	.7
Less developed regions	2,116	2,358	2,681	3,019	3,361	3,433	3,502	2.2	2.6	2.4	2.1	2.1
Percent of world	68	70	72	73	75	75	75	(x)	(x)	(x)	(x)	(x)
Africa ²	277	314	358	409	470	484	499	2.5	2.6	2.7	2.8	2.9
Asia	1,715	1,892	2,141	2,396	2,641	2,691	2,738	2.0	2.5	2.3	1.9	1.8
More developed regions	94	99	104	112	117	118	118	1.0	1.1	1.3	.9	.7
Less developed regions	1,621	1,793	2,036	2,284	2,524	2,574	2,621	2.0	2.6	2.3	2.0	1.9
East Asia ³	827	894	1,020	1,136	1,226	1,243	1,256	1.6	2.6	2.2	1.5	1.2
South Asia ³	888	998	1,121	1,260	1,415	1,448	1,482	2.3	2.3	2.3	2.3	2.3
Latin America ⁴	216	248	283	321	362	370	378	2.8	2.7	2.5	2.4	2.2
Middle America ^{4,5}	49	57	67	78	90	92	94	3.2	3.2	3.1	2.8	2.3
Caribbean ^{4,5}	20	23	25	28	30	31	32	2.2	1.9	2.1	1.8	1.6
South America ^{4,5}	147	168	191	215	241	247	252	2.7	2.8	2.4	2.3	2.2
Northern America ^{4,6}	189	214	228	239	252	254	257	1.5	1.1	1.1	1.0	1.0
Europe ⁴	425	444	460	474	484	487	488	.9	.7	.6	.4	.4
Soviet Union ⁴	214	231	243	254	266	268	270	1.5	1.0	.9	.8	.8
Oceania	16	16	19	21	23	23	23	2.1	2.0	1.9	1.3	1.4
Australia and New Zealand ⁴	13	14	15	17	18	18	18	2.0	1.9	1.7	1.0	1.1
Less developed regions	3	3	4	4	5	5	5	2.7	2.6	2.5	2.4	2.2

X Not applicable. ¹Computed by the exponential method. For explanation of average annual percent change, see Guide to Tabular Presentation. ²Less developed region. ³For component countries, see table 1519. ⁴More developed region.

Source: U.S. Bureau of the Census, *Demographic Estimates for Countries With a Population of 10 Million or More: 1981*, 1981 and unpublished data.

No. 1516. WORLD POPULATION CHARACTERISTICS, 1975 TO 1982, AND PROJECTIONS TO 2000

[See headnote, table 1517. For explanation of "more developed" and "less developed" categories, see text, p. 853]

ITEM	Unit	1975	1980	1982	1985	1990	1995	2000
World total	Millions	4,116	4,498	4,654	4,901	5,314	5,756	6,217
Population per sq. mi.	Number	78	86	89	93	101	110	119
Males	Millions	2,063	2,257	2,336	2,481	2,671	2,897	3,130
Females	Millions	2,052	2,241	2,318	2,439	2,642	2,859	3,087
Under 5 years old	Percent	13.3	12.3	12.2	12.0	11.7	11.2	10.8
5 to 14 years old	Percent	23.3	22.7	22.3	21.8	20.7	20.4	19.9
15 to 64 years old	Percent	57.7	59.1	59.7	60.5	61.6	62.1	62.7
65 years old and over	Percent	5.7	5.9	5.9	5.8	6.0	6.3	6.6
Median age	Years	21.9	22.6	23.0	23.5	24.3	25.2	26.1
More developed regions	Millions	1,096	1,136	1,152	1,176	1,211	1,243	1,271
Less developed regions	Millions	3,019	3,361	3,502	3,725	4,102	4,513	4,946

Source: U.S. Bureau of the Census, unpublished data.

No. 1517. WORLD VITAL STATISTICS AND LIFE EXPECTANCY: 1970 TO 2010

[Source of data presents 3 variants or series of projections: Medium, high, and low. Figures shown here are for the *medium* variant. Data shown are annual averages.]

ITEM	Unit	1970- 1975	1975- 1980	1980- 1985	1985- 1990	1990- 1995	1995- 2000	2000- 2005	2005- 2010
World growth rate	Percent	1.9	1.7	1.7	1.6	1.6	1.5	1.4	1.3
Crude birth rate ¹	Per 1,000 population	31.5	28.5	27.5	26.5	25.2	23.9	22.5	21.1
Crude death rate ¹	Per 1,000 population	12.5	11.3	10.6	10.1	9.5	9.0	8.6	8.4
Total fertility rate ²	Number (NA)	3.9	3.6	3.4	3.2	3.0	(NA)	(NA)	(NA)
Life expectancy at birth, both sexes	Years	55.8	57.5	59.2	60.8	62.3	63.8	65.5	66.8
Male	Years	54.5	56.3	57.9	59.4	60.9	62.4	63.8	65.0
Female	Years	57.1	58.8	60.5	62.2	63.9	65.5	67.2	68.7

NA Not available. ¹See headnote, table 1520. ²Total fertility rate: Average number of children that would be born per woman if all women lived to the end of their childbearing years and, at each year of age, they experienced the birth rates occurring in the specified year.

Source: Population Division of the United Nations, New York, N.Y., *World Population Prospects as Assessed in 1980*, 1981, and unpublished data.

No. 1518. POPULATION AND AREA, BY REGION AND COUNTRY

[Population data generally are de facto figures for the present territory. Population estimates were derived based on information available as of mid-1979 for countries under 10 million in 1981, and mid-1982 for other countries; no revisions were made to take account of later data. See table 1519 for country components of regions. See text, p. 854, for general comments concerning the data. For details of methodology, coverage, and reliability, see sources. Minus sign (-) denotes decrease]

COUNTRY AND STATUS OF DEVELOPMENT	LATEST POPULATION CENSUS ¹		MIDYEAR POPULATION ESTIMATES				Popu- lation per sq. mile, 1982	Area ¹ (sq. mile)
	Year	Num- ber (1,000)	Number (1,000)			Aver- age annual percent change, 1970- 1982 ²		
			1970	1979	1982			
● = More developed ★ = Less developed								
World total	(x)	(x)	3,730,378	4,419,711	4,883,737	1.8	89	52,444,049
Africa	(x)	(x)	357,847	458,091	498,878	2.8	43	11,708,186
Northern Africa ⁴	(x)	(x)	228,483	248,864	257,021	1.1	31	8,306,942
Latin America	(x)	(x)	283,105	353,814	378,088	2.4	48	7,840,533
Middle America	(x)	(x)	86,889	97,873	94,437	2.9	98	963,708
Caribbean	(x)	(x)	25,037	29,874	31,532	1.9	343	91,892
South America	(x)	(x)	191,199	235,868	252,119	2.3	37	6,884,935
East Asia	(x)	(x)	1,019,811	1,208,942	1,256,277	1.7	277	4,538,892
South Asia	(x)	(x)	1,121,165	1,382,079	1,481,931	2.3	243	6,110,033
Europe	(x)	(x)	459,880	482,235	488,221	.5	256	1,808,178
Soviet Union	(x)	(x)	242,788	263,425	269,919	.9	31	8,649,489
Oceania	(x)	(x)	19,420	22,461	23,404	1.6	7	3,285,711
COUNTRIES								
● United States	1980	227,020	206,052	225,055	232,484	1.0	84	3,615,102
★ Afghanistan	1979	15,540	13,185	15,913	15,326	1.3	81	249,989
● Albania	1979	2,595	2,136	2,626	(NA)	*2.3	*237	11,100
★ Algeria	1977	16,260	13,932	18,258	20,030	3.0	22	919,590
★ Angola	1970	5,648	5,573	6,543	(NA)	*1.8	*14	481,351
★ Argentina	1980	27,863	23,758	27,228	28,593	1.5	27	1,068,208
● Australia	1976	13,548	12,880	14,422	15,011	1.4	5	2,967,892
● Austria	1971	7,456	7,426	7,506	(NA)	*1	*232	32,374
★ Bahamas, The	1980	242	171	236	(NA)	*3.6	*44	5,380
★ Bahrain	1981	359	219	370	(NA)	*5.8	*1,542	240
★ Bangladesh	1981	87,082	69,700	86,126	93,040	2.4	1,873	55,598
★ Barbados	1980	249	239	278	(NA)	*1.7	*1,881	168
● Belgium	1970	9,651	9,656	9,849	(NA)	*.2	*836	11,779
★ Belize	1980	145	122	152	(NA)	*2.4	*17	8,898
★ Benin	1979	3,343	2,853	3,379	(NA)	*2.7	*78	43,483
★ Bhutan	1969	1,035	1,048	1,273	(NA)	*2.2	*70	18,147
★ Bolivia	1976	4,813	4,140	5,213	(NA)	*2.6	*12	424,162
★ Botswana	1971	809	630	764	(NA)	*2.1	*3	231,804
★ Brazil	1980	119,025	95,884	119,175	127,734	2.4	39	3,286,470
● Bulgaria	1975	8,728	8,490	8,827	(NA)	*.4	*205	42,823
★ Burma	1973	28,888	27,078	33,590	36,186	2.4	138	281,217
★ Burundi	1979	4,110	3,589	4,192	(NA)	*1.7	*390	10,747
★ Cameroon	1976	7,132	6,727	8,323	(NA)	*2.4	*45	183,568
● Canada	1976	22,993	21,324	23,890	24,438	1.1	8	3,851,787
★ Cape Verde	1980	289	289	328	(NA)	*2.2	*211	1,557
★ Central African Republic	1975	2,086	1,855	2,284	(NA)	*2.3	*9	240,534
★ Chad	1984	3,254	3,707	4,528	(NA)	*2.2	*9	495,752
★ Chile	1970	6,865	9,369	10,848	11,323	1.6	39	292,256
China								
★ Mainland	1953	582,803	846,348	1,012,187	1,055,304	1.8	285	3,708,580
★ Taiwan	1980	18,032	14,598	17,459	18,456	2.0	1,482	12,456
★ Colombia	1973	21,147	21,430	24,592	25,631	1.5	58	439,736
★ Comoros	1980	408	270	359	(NA)	*3.2	*428	838
★ Congo	1974	1,300	1,183	1,608	(NA)	*2.7	*11	132,046
★ Costa Rica	1973	1,872	1,736	2,184	(NA)	*2.8	*112	19,575
★ Cuba	1981	9,708	8,551	9,824	(NA)	*1.5	*222	44,218
★ Cyprus	1976	613	615	821	(NA)	*.1	*174	3,572
● Czechoslovakia	1980	15,277	14,319	15,182	15,389	.6	311	49,370
● Denmark	1976	5,072	4,829	5,118	(NA)	*.4	*308	16,829
★ Djibouti	1970- 71	184	160	388	(NA)	*9.8	*45	8,494
★ Dominican Republic	1970	4,009	4,349	5,551	(NA)	*2.7	*295	18,816
★ Ecuador	1974	6,522	5,858	7,763	(NA)	*2.9	*71	108,483
★ Egypt	1976	39,828	33,197	40,891	44,740	2.5	116	386,659
★ El Salvador	1971	3,555	3,582	4,862	(NA)	*2.8	*574	8,124
★ Equatorial Guinea	1980	246	291	244	(NA)	*2.0	*23	10,830
★ Ethiopia	(x)	(NA)	25,299	29,977	30,589	1.8	65	471,776
★ Fiji	1976	588	521	618	(NA)	*1.9	*88	7,055
● Finland	1976	4,718	4,806	4,764	(NA)	*.4	*37	130,119
● France	1975	52,656	50,787	53,477	54,180	.5	256	211,207
★ Gabon	1980	1,232	483	637	(NA)	*2.8	*6	103,346

See footnotes at end of table.

No. 1518. POPULATION AND AREA, BY REGION AND COUNTRY—Continued

[See headnote, p. 857]

COUNTRY AND STATUS OF DEVELOPMENT	LATEST POPULATION CENSUS ¹		MIDYEAR POPULATION ESTIMATES				Population per sq. mile, 1982	Area ² (sq. miles)
	Year	Number (1,000)	Number (1,000)			Average annual percent change, 1970-1982 ³		
			1970	1975	1982			
● = More developed ★ = Less developed								
★Gambia, The	1973	483	458	585	(NA)	2.7	*134	4,361
●German Dem. Rep.	1971	17,068	17,070	18,745	18,799	- 1	402	41,798
●Germany, Fed. Rep. of	1970	60,851	60,714	61,337	61,780	1	843	96,978
★Ghana	1970	8,559	8,789	11,742	12,943	3.2	141	92,089
●Greece	1971	8,789	8,793	9,444	(NA)	1.8	*185	50,944
★Grenada	1970	94	96	106	(NA)	1.1	*789	133
★Guatemala	1973	5,180	5,262	6,849	(NA)	2.9	*163	42,042
★Guinea	(X)	(NA)	4,089	5,275	(NA)	2.9	*56	94,964
★Guinea-Bissau	1979	777	487	638	(NA)	3.0	*46	13,948
★Guyana	1970	702	715	832	(NA)	1.7	*10	83,000
★Haiti	1971	4,330	4,805	5,870	(NA)	2.3	*529	10,714
★Honduras	1974	2,657	2,683	3,645	(NA)	3.4	*84	43,277
●Hungary	1980	10,710	10,337	10,899	10,753	.3	299	35,919
●Iceland	A 1970	205	204	226	(NA)	1.1	*6	39,798
★India ⁴	1981	684,025	553,819	677,028	723,762	2.2	570	1,269,338
★Indonesia	1980	147,480	122,871	148,085	157,595	2.1	201	782,658
★Iran	1976	33,709	28,933	37,847	41,203	2.9	85	636,293
★Iraq	1977	12,000	9,414	12,701	14,034	3.3	84	167,924
●Ireland	1979	3,388	2,950	3,385	(NA)	1.5	*124	27,136
★Israel	1972	3,148	2,974	3,784	(NA)	2.7	*472	8,019
★Italy	1971	54,137	53,881	56,888	57,305	.5	493	116,303
★Ivory Coast	1975	6,710	5,424	7,781	(NA)	4.0	*62	124,503
★Jamaica	1970	1,843	1,944	2,215	(NA)	1.5	*522	4,244
●Japan	1980	117,057	104,345	115,870	116,579	1.0	625	143,750
★Jordan	A 1981	1,711	2,262	3,189	(NA)	3.8	*85	37,737
★Kampuchea	1982	5,729	7,080	5,787	(NA)	- 2.2	*83	69,898
★Kenya	1979	15,322	11,256	15,778	17,832	3.8	79	224,880
★Korea, Dem. Peo. Rep. of	(X)	(NA)	13,882	17,473	18,749	2.5	401	46,788
★Korea, Republic of	1980	37,449	32,878	39,144	41,092	1.8	1,080	38,031
★Kuwait	1980	1,356	748	1,277	(NA)	5.9	*186	6,880
★Laos	(X)	(NA)	2,882	3,440	(NA)	1.7	*38	91,428
★Lebanon	B 1970	2,126	2,330	2,943	(NA)	2.6	*733	4,015
★Lesotho	1976	1,214	1,088	1,305	(NA)	2.2	*111	11,725
★Liberia	A 1974	1,503	1,335	1,788	(NA)	3.2	*42	43,000
★Libya	1973	2,249	1,958	2,920	(NA)	4.5	*4	679,358
●Luxembourg	1970	340	339	358	(NA)	.8	*359	988
★Madagascar	1975	7,589	8,759	8,349	(NA)	2.3	*38	228,880
★Malawi	1977	5,582	4,460	5,862	(NA)	3.1	*128	45,747
★Malaysia	1980	13,436	10,910	13,874	14,681	2.5	115	127,316
★Maldives	1978	143	115	150	(NA)	3.0	*1,304	115
★Mali	1976	6,097	5,143	8,484	(NA)	2.5	*14	478,764
●Malta	1987	316	328	347	(NA)	.7	*2,844	122
★Mauritania	1976	1,407	1,264	1,474	(NA)	1.8	*4	397,953
★Mauritius	1972	851	830	941	(NA)	1.4	*1,307	729
★Mexico	1980	87,406	50,078	66,140	71,330	2.9	94	781,600
★Mongolia	1979	1,595	1,248	1,616	(NA)	2.9	*3	604,247
★Morocco	1971	15,379	15,909	20,388	22,230	2.8	129	172,413
★Mozambique	A 1980	12,130	9,442	11,839	12,695	2.5	42	302,326
★Nepal	1981	14,179	11,919	14,808	15,715	2.3	289	54,362
●Netherlands	1971	13,080	13,032	14,030	14,369	.8	911	15,770
●New Zealand	1976	3,129	2,811	3,107	(NA)	1.1	*30	103,736
★Nicaragua	1971	1,878	1,908	2,385	(NA)	2.4	*47	50,193
★Niger	1977	5,096	4,128	5,346	(NA)	2.9	*11	489,189
★Nigeria	(X)	(NA)	58,348	74,585	82,398	3.2	231	356,887
●Norway	1970	3,874	3,877	4,074	(NA)	.8	*33	125,181
★Oman	(X)	(NA)	854	884	(NA)	3.1	*11	82,030
★Pakistan ⁵	1981	83,782	65,706	84,083	92,106	2.9	300	310,462
★Panama	1980	1,820	1,497	1,878	(NA)	2.5	*64	29,208
★Papua New Guinea	A 1971	2,490	2,418	3,087	(NA)	2.6	*17	178,256
★Paraguay	1972	2,358	2,477	3,117	(NA)	2.6	*20	157,047
★Peru	1981	17,031	13,481	17,149	18,631	2.7	38	496,222
★Philippines	1980	47,814	37,542	47,820	51,574	2.8	445	115,830
●Poland	1978	35,081	32,526	35,257	36,276	.9	301	120,888
●Portugal	1970	8,883	9,044	9,843	(NA)	.9	*277	35,553
★Qatar	1970	111	111	210	(NA)	7.1	*49	4,247
●Romania	1977	21,580	20,253	22,048	22,535	.9	246	91,689
★Rwanda	1978	4,819	3,788	4,965	(NA)	3.0	*487	10,188

See footnotes at end of table.

NO. 1518. POPULATION AND AREA, BY REGION AND COUNTRY—Continued

[See headnote, p. 857]

COUNTRY AND STATUS OF DEVELOPMENT ● = More developed ★ = Less developed	LATEST POPULATION CENSUS ¹		MIDYEAR POPULATION ESTIMATES				Popu- lation per sq. mile, 1982	Area ² (sq. mile)
	Year	Num- ber (1,000)	Number (1,000)			Average annual percent change, 1976- 1982 ³		
			1970	1979	1982			
★Saint Lucia	1980	116	103	121	(NA)	*1.8	*508	238
★Saint Vincent and the Grenadines	1970	87	88	111	(NA)	*2.8	*740	150
★Saudi Arabia	1974	7,019	6,174	8,292	(NA)	*4.5	*11	829,985
★Senegal	1976	4,907	4,385	5,532	(NA)	*2.6	*73	75,750
★Sierra Leone	1974	2,735	2,753	3,309	(NA)	*2.0	*119	27,889
★Singapore	1980	2,414	2,075	2,363	(NA)	*1.4	*10,549	224
★Solomon Islands	1978	187	163	222	(NA)	*3.4	*19	11,500
★Somalia	1975	3,484	2,808	3,474	(NA)	*2.4	*14	246,199
★South Africa	1980	25,083	22,466	27,967	30,021	2.4	84	471,442
●Soviet Union	1979	282,436	242,786	263,425	269,894	.9	31	8,649,489
●Spain	1970	33,858	33,876	37,108	38,004	1.0	186	184,898
★Sri Lanka	1981	14,850	12,532	14,810	15,481	1.8	810	25,332
★Sudan	1973	14,114	13,788	18,155	19,888	3.0	21	967,494
★Suriname	1980	352	373	404	(NA)	*.9	*8	63,037
★Swaziland	1978	499	420	541	(NA)	*2.8	*81	6,704
●Sweden	1975	8,209	8,043	8,298	(NA)	*.3	*48	173,731
●Switzerland	1970	6,270	6,267	6,343	(NA)	*.1	*398	15,841
★Syria	1978	7,726	6,258	8,506	(NA)	*3.4	*118	71,498
★Tanzania	1978	17,528	13,448	18,018	19,888	3.3	55	363,847
★Thailand	1970	34,387	37,091	48,687	49,823	2.5	251	188,456
★Togo	1970	1,951	1,984	2,544	(NA)	*2.9	*118	21,822
★Trinidad and Tobago	1980	1,067	1,027	1,150	(NA)	*1.3	*581	1,880
★Tunisia	1975	5,572	5,086	6,312	(NA)	*2.4	*100	63,170
★Turkey	1980	45,218	35,743	44,561	47,784	2.4	158	301,380
★Uganda	1980	12,830	9,806	12,418	13,851	2.8	150	91,075
★United Arab Emirates	1975	558	225	871	(NA)	*15.0	*27	32,278
●United Kingdom	1971	55,515	56,522	55,948	56,067	1	595	94,226
★Upper Volta	1975	5,337	5,485	6,661	(NA)	*2.2	*83	105,889
★Uruguay	1975	2,782	2,824	2,910	(NA)	*.3	*43	68,037
★Vanuatu ⁴	1979	113	85	114	(NA)	*3.3	*20	5,700
★Venezuela	1971	10,722	10,982	16,574	18,427	4.3	52	352,143
★Vietnam	1979	52,742	42,984	52,426	56,430	2.3	443	127,242
★Western Samoa	1978	152	142	155	(NA)	*1.0	*141	1,097
★Yemen, Rep. Dem. Rep. of	1973	1,580	1,486	1,883	(NA)	*2.4	*14	128,559
★Yemen Arab Republic	1975	4,520	4,357	5,126	(NA)	*1.8	*68	75,290
●Yugoslavia	1971	20,523	20,371	22,180	22,732	.9	280	86,786
★Zaire	1974	24,327	21,836	27,931	30,289	2.8	33	906,582
★Zambia	1980	5,880	4,251	5,649	(NA)	*3.2	*19	280,584
★Zimbabwe	1980	5,089	5,546	7,254	(NA)	*3.0	*48	151,000
AREAS OF SPECIAL SOVEREIGNTY AND DEPENDENCIES								
★Brunei	1971	136	128	213	(NA)	*5.7	*86	2,226
●Channel Islands	1971	123	122	130	(NA)	*.7	*1,733	75
★French Polynesia	1977	137	116	144	(NA)	*2.4	*93	1,544
★Gaza Strip	1987	356	329	420	(NA)	*2.7	*2,877	148
★Guadeloupe	1974	325	320	312	(NA)	*.3	*455	686
★Hong Kong	1981	4,882	3,959	4,800	(NA)	*2.4	*12,312	398
★Macau	1970	249	245	282	(NA)	*1.6	*47,000	6
★Martinique	1974	325	325	310	(NA)	*.6	*719	431
★Namibia	1970	782	786	994	(NA)	*2.9	*3	318,281
★Netherlands Antilles	1971	218	218	240	(NA)	*1.1	*757	317
★New Caledonia	1978	139	111	136	(NA)	*2.3	*16	8,548
★Pacific Is., Trust Terr. of	1973	115	102	131	(NA)	*2.8	*191	687
★Puerto Rico	1980	3,188	2,718	3,395	(NA)	*2.5	*888	3,435
★Reunion	1974	477	445	503	(NA)	*1.4	*519	970

NA Not available. X Not applicable. ¹For countries in which no recent census has been taken, survey or national registry data (identified respectively as "S" and "R") are shown. For countries in which the unadjusted census returns are not reported, adjusted census returns (identified as "A") are shown. ²Computed by the exponential method. For explanation of average annual percent change, see Guide to Tabular Presentation. ³Includes inland waters. Source: U.S. Department of State, *Status of the World's Nations*, biennial. ⁴Includes Bermuda, Canada, Greenland, St. Pierre and Miquelon, and United States.

¹1970-1979 ²1979 data ³Includes the Indian-held part of Jammu and Kashmir ⁴Excludes the Pakistani-held part of Jammu and Kashmir ⁵Formerly New Hebrides.

Source: Except as noted, U.S. Bureau of the Census, *World Population 1979—Recent Demographic Estimates for the Countries and Regions of the World, 1960; Demographic Estimates for Countries With a Population of 10 Million or More: 1961, 1981, and unpublished data.*

No. 1519. POPULATION PROJECTIONS, BY REGION AND FOR SELECTED COUNTRIES: 1980 TO 2025

(In millions. Source of data presents 3 series of projections. Figures shown here are for medium series)

REGION AND COUNTRY	1980	1985	2000	2025	REGION AND COUNTRY	1980	1985	2000	2025
World, total	4,432.1	4,828.3	6,116.9	8,195.1	United States	223.2	234.5	263.8	285.8
More developed ¹	1,131.3	1,170.2	1,272.2	1,376.8	East Asia ²	1,174.8	1,250.1	1,474.7	1,712.1
Less developed ¹	3,300.8	3,658.2	4,844.7	6,818.3	China, Mainland	984.9	1,080.1	1,257.3	1,489.3
Africa	470.0	548.2	852.9	1,541.7	Hong Kong	5.1	5.7	7.0	7.9
Eastern Africa ¹	133.5	155.8	250.0	477.9	Japan	116.6	120.2	129.3	131.5
Burundi	4.2	4.8	7.2	13.3	Korea, Dem. Peo.	17.9	20.1	27.3	37.8
Ethiopia	31.5	36.8	54.7	83.8	Rep. of	38.5	41.8	50.8	61.5
Kenya	18.5	20.2	37.1	62.3	Korea, Rep. of				
Madagascar	8.7	10.0	15.2	28.4	South Asia	1,403.7	1,564.7	2,074.8	2,819.3
Malawi	6.2	7.3	12.0	23.0	Eastern So. Asia ¹	361.2	400.2	520.4	686.5
Mozambique	10.5	12.0	18.7	35.3	Burma	35.3	39.9	55.1	81.8
Rwanda	4.8	5.8	9.3	19.8	Indonesia	148.0	180.7	198.7	246.9
Somalia	4.6	5.8	7.2	13.4	Kampuchea	8.7	7.8	10.6	14.1
Uganda	13.2	15.5	25.4	51.9	Laos	3.7	4.2	5.7	8.2
Tanzania	17.9	21.1	34.0	63.8	Malaysia	14.1	15.8	21.3	28.8
Zambia	5.8	6.8	11.3	21.8	Philippines	49.2	56.0	77.0	107.7
Zimbabwe	7.4	8.8	14.7	28.4	Singapore	2.4	2.6	3.0	3.2
Middle Africa ¹	53.1	60.7	91.4	162.2	Thailand	47.1	52.5	68.6	90.1
Angola	7.1	8.1	12.4	23.6	Vietnam	53.7	60.0	78.9	105.7
Cameroon	8.4	9.8	13.9	23.4	Middle So. Asia ¹	944.1	1,050.9	1,386.3	1,867.0
Cen. African Rep.	2.3	2.8	3.9	7.4	Afghanistan	15.9	18.1	26.5	42.1
Chad	4.5	5.0	7.1	12.2	Bangladesh	85.2	101.4	148.4	221.8
Zaire	28.3	32.6	50.0	87.8	India	684.5	752.9	980.6	1,233.9
Northern Africa ¹	109.0	125.8	186.2	295.9	Iran	38.1	44.4	64.9	98.4
Algeria	18.9	22.6	37.0	62.9	Nepal	14.3	16.0	22.5	33.8
Egypt	42.0	47.2	64.4	94.9	Pakistan	85.9	100.0	140.0	206.0
Libya	3.0	3.8	6.1	10.9	Sri Lanka	14.8	16.4	21.1	28.8
Morocco	20.3	23.9	36.5	59.3	Western So. Asia ²	85.4	112.6	168.1	263.8
Sudan	18.4	21.2	32.3	54.4	Iraq	13.1	15.5	24.2	40.4
Tunisia	6.4	7.2	9.6	13.1	Israel	3.8	4.4	5.8	7.5
Southern Africa ¹	33.0	38.1	58.0	100.6	Jordan	3.2	3.9	6.5	11.2
South Africa	29.3	33.8	51.3	88.3	Lebanon	2.7	3.0	4.0	5.8
Western Africa ¹	141.4	165.7	287.3	505.1	Saudi Arabia	9.0	10.8	17.8	31.0
Benin	3.5	4.1	6.8	13.9	Syria	9.0	10.9	18.7	32.7
Ghana	11.7	13.8	22.3	42.0	Turkey	45.3	51.1	70.0	100.4
Guinea	5.0	5.7	8.8	16.8	Yemen Arab Rep.	5.8	6.5	9.8	18.3
Ivory Coast	8.0	9.4	14.8	26.7	Europe (excl. Soviet				
Mali	6.8	8.0	12.8	25.0	Union)	483.7	491.8	512.0	522.2
Niger	5.3	6.2	10.0	20.5	Eastern Europe	110.0	113.4	121.4	130.7
Nigeria	77.1	91.2	150.0	285.5	Bulgaria	9.0	9.2	9.7	10.1
Senegal	5.7	6.5	9.7	18.8	Czechoslovakia	15.3	15.7	16.8	18.5
Togo	2.8	3.1	4.8	8.9	German Dem. Rep.	16.9	16.9	16.9	16.4
Upper Volta	5.9	7.9	11.9	20.5	Hungary	10.8	10.9	11.0	10.9
Latin America	353.7	409.7	585.7	865.2	Poland	35.8	37.6	41.2	45.7
Caribbean ²	30.8	33.8	43.3	61.9	Romania	22.3	23.2	25.7	29.0
Cuba	9.7	10.0	11.7	13.6	Northern Europe ¹	82.0	82.2	82.6	81.3
Dominican Rep.	5.9	6.7	9.3	14.5	Denmark	5.1	5.2	5.2	5.1
Haiti	5.8	6.8	9.9	18.3	Finland	4.9	5.0	5.1	4.8
Middle America ²	92.5	106.8	156.7	242.9	Ireland	3.3	3.5	4.1	5.0
El Salvador	4.8	5.6	8.7	15.0	Norway	4.1	4.1	4.3	4.4
Guatemala	7.3	8.4	12.7	21.7	Sweden	8.3	8.3	8.1	7.8
Honduras	3.7	4.4	7.0	13.3	United Kingdom	55.9	55.6	55.2	53.7
Mexico	68.8	80.5	115.7	174.0	Southern Europe ¹	139.0	143.3	153.6	160.6
Nicaragua	2.7	3.2	5.2	9.8	Albania	2.7	3.0	3.9	5.0
Temperate South					Greece	9.3	9.8	10.4	11.2
America ²	41.1	43.8	51.8	61.8	Italy	56.9	57.8	58.1	57.0
Argentina	27.0	28.7	33.2	39.1	Portugal	9.8	10.2	11.2	12.3
Chile	11.1	12.1	14.9	18.8	Spain	37.4	39.0	43.4	48.3
Uruguay	2.9	3.0	3.4	4.1	Yugoslavia	22.3	23.2	25.2	28.3
Tropical South					Western Europe ¹	152.7	153.0	154.5	148.6
America ²	198.5	225.5	315.1	486.5	Austria	7.5	7.5	7.4	7.1
Bolivia	5.8	6.4	9.7	19.5	Belgium	9.8	9.9	10.0	9.7
Brazil	122.3	137.2	187.5	291.3	France	53.5	54.9	58.3	57.1
Colombia	25.8	28.7	38.0	51.7	Germany, Fed. Rep.				
Ecuador	8.0	9.4	14.8	25.7	of	60.9	60.1	58.8	54.9
Paraguay	3.2	3.7	5.4	8.6	Netherlands	14.1	14.4	15.2	15.2
Peru	17.8	20.3	30.7	56.0	Switzerland	6.5	6.5	6.5	6.0
Venezuela	15.6	18.4	27.2	42.8	Soviet Union	265.5	278.2	310.2	365.0
Northern America ²	247.8	261.0	298.8	343.5	Oceania ¹	22.8	24.5	29.7	38.1
Canada	24.5	26.4	34.8	37.5	Australia	14.5	15.3	17.8	19.9
					New Zealand	3.3	3.5	4.0	4.7
					Papua New Guinea	3.2	3.8	5.2	8.0

¹ Regions. ² Includes countries not shown separately.Source: Population Division of the United Nations, New York, N.Y., *World Population Prospects as Assessed in 1980, 1981*.

NO. 1520. POPULATION UNDER AGE 15, URBAN POPULATION, AND GROWTH, BIRTH, DEATH, AND INFANT MORTALITY RATES—SELECTED COUNTRIES

[Covers countries with 10 million or more population in 1961. Growth rate: Annual increase (or decrease) to the population resulting from a surplus or deficit of births over deaths and a surplus or deficit of migrants into or out of the country, expressed as a percentage of the base population. Crude birth rate: Number of births during 1 year per 1,000 persons (based on midyear population). Crude death rate: Number of deaths during 1 year per 1,000 persons (based on midyear population). Infant mortality rate: Number of deaths of children under 1 year of age per 1,000 live births in a calendar year. Minus sign (-) denotes decrease.]

COUNTRY	POPULATION UNDER 15 YEARS OLD		URBAN POPULATION		Growth rate of population, 1961 (percent)	Crude birth rate, 1961	Crude death rate, 1961	INFANT MORTALITY	
	Year or period	Per cent of total population	Year or period	Per cent of total population				Year or period	Rate
United States	1960	23	1970	73	1.0	16	9	1960	12
Afghanistan	1972-73	45	1979	11	-1.2 to -3	50-53	28-32	1972-73	217-235
Algeria	1977	48	1977	41	2.9-3.3	42-47	13-14	1977	127
Argentina	1970	29	1970	79	1.6	25	9	1978	41
Australia	1978	26	1978	86	1.4	15	7	1979	11
Bangladesh	1974	46	1974	9	2.5-2.7	43-47	17-19	1969-74	153
Brazil	1970	44	1970	56	2.2-2.4	30-32	8	1974-75	84
Burma	1973	40	1973	24	2.2-2.5	36-39	13-14	(X)	(NA)
Canada	1977	25	1978	75	1.0	15	7	1978	12
Chile	1970	38	1970	75	1.4	22	7	1979	40
China									
Mainland	1963	36	1978	13	1.2-1.6	19-25	7-9	(X)	(NA)
Taiwan	1975	36	1978	66	1.6	23	5	1979	24
Colombia	1978	42	1973	64	1.6	28	8	1973	77
Czechoslovakia	1960	24	1970	66	3-5	15-17	12	1960	18
Egypt	1976	40	1978	44	2.9-3.0	41-42	12	1975	92
Ethiopia	1971	46	1977	12	9-2.3	42-62	20-26	1964-71	155-200
France	1960	22	1975	73	4	14	10	1979	10
German Dem. Rep.	1979	20	1979	76	1-2	14-16	14	1979	13
Germany Fed. Rep. of	1978	20	(X)	(NA)	1	10	12	1979	14
Ghana	1970	46	1970	29	3.1-3.5	43-47	12-13	1970	115
Hungary	1979	21	1960	53	1-2	14-15	13	1979	24
India	1971	41	1971	20	1.9-2.2	33-35	13-14	1973-78	125
Indonesia	1976	43	1976	19	2.0-2.2	34-35	13-14	1975	114
Iran	1976	45	1978	47	3.0-3.2	42-44	12	1973-78	112
Iraq	1977	49	1977	64	3.3-3.4	46-48	12-14	(X)	(NA)
Italy	1960	22	(X)	(NA)	2	11	10	1979	15
Japan	1960	24	1975	76	7	14	6	1979	8
Kenya	1969	46	1976	13	4.0-4.1	52-54	12	1977	63
Korea, Dem. Peo. Rep. of	(X)	(NA)	(X)	(NA)	2.2-2.6	30-33	7-8	(X)	(NA)
Korea, Rep. of	1975	39	1975	46	1.4-1.6	21-24	6	1970	47
Malaysia	1970	45	1970	27	2.2-2.4	29-32	7	1978	29
Mexico	1978	46	1970	59	2.4-2.6	30-33	6	1972-74	70
Morocco	1971	46	1971	35	2.8-3.0	41-44	12-13	1972	162
Mozambique	1970	45	1970	3	2.3-3.0	42-47	17-18	(X)	(NA)
Nepal	1976	39	1971	4	2.3-2.5	42-44	16-19	1974-75	135
Netherlands	1978	24	1979	66	7	13	8	1979	9
Nigeria	1963	44	1971-73	26	3.0-3.4	47-51	17-18	1965-66	176
Pakistan	1975	44	1972	25	3.1-3.3	43-45	16	1971	142
Peru	1972	44	1972	80	2.5-2.8	36-39	11	1970-75	114
Philippines	1975	44	1975	32	2.4-2.6	33-35	7-8	1976	66
Poland	1978	24	1979	58	9-1.1	18-20	9	1979	21
Romania	1979	26	1960	52	6-8	16-18	10	1979	32
South Africa	1970	42	1970	46	2.3-2.5	35-37	11-12	1970	93-101
Soviet Union	1978	24	1979	63	7-9	16-20	10	1975	31
Spain	1978	27	1970	55	8	16	8	1979	13
Sri Lanka	1971	39	1971	22	1.8-1.9	26-29	6-7	1976	36
Sudan	1973	43	1973	16	2.6-3.5	45-49	17	1968-73	140-144
Tanzania	1978	46	1978	13	3.1-3.3	44-48	13-16	1973	120-130
Thailand	1970	44	1970	13	2.0-2.3	26-30	6-8	1974-75	76
Turkey	1975	40	1960	44	2.2-2.3	32-34	10-11	1972-77	134
Uganda	1969	46	1969	8	3.0-3.5	46-50	15-18	1969	120
United Kingdom	1978	22	1973	76	1	13	12	1978	13
Venezuela	1971	45	1971	78	3.4-3.8	31-36	5	1971	54
Yugoslavia	1979	25	1979	46	7-9	16-18	9	1979	32
Zaire	1955-58	39-42	1970	22	2.4-3.0	43-46	15-19	1955-57	166-177

NA. Not available. X. Not applicable.

Source: U.S. Bureau of the Census, *Demographic Estimates for Countries With a Population of 10 Million or More: 1961, 1961*.

No. 1521. LIFE EXPECTANCY AND HEALTH, BY COUNTRY

[Health: Hospital data refer to hospitals and other medical establishments with beds but exclude old people's homes and establishments for custodial or preventive care only; personnel data refer to persons fully qualified from medical or dental schools and working within the country. See text, p. 854, for general comments concerning the data. For additional qualifications of data for individual countries, see source]

COUNTRY	EXPECTATION OF LIFE AT BIRTH				HEALTH						
	Year or period (yr)	Both sexes (yr)	Male (yr)	Female (yr)	Year	Hospitals			Physicians, number	Population per physician (1,000)	Dentists, number
						Number	Beds (1,000)	Population per bed			
United States.....	1978	73	70	77	1978	7,159	1,350.1	164	424,000	.5	117,000
Algeria.....	1977	55	54	56	¹ 1978	183	45.2	389	6,881	2.6	1,483
Argentina.....	1969-70	65	62	69	² 1971	2,884	133.8	176	48,693	.5	(NA)
Australia.....	1979	74	71	78	³ 1977	2,369	175.0	80	26,140	.6	6,200
Bangladesh.....	1969-74	48	48	47	¹ 1978	519	19.9	4,248	7,909	11.0	164
Belgium.....	1968-72	71	(NA)	(NA)	³ 1978	502	90.3	108	⁴ 24,536	.4	⁵ 4,353
Brazil.....	1974-75	60	58	63	⁶ 1976	5,426	445.8	245	⁷ 62,743	(NA)	(NA)
Burma.....	(NA)	(NA)	(NA)	(NA)	¹ 1977	⁸ 488	⁹ 26.5	(NA)	⁶ 6,996	(NA)	376
Canada.....	1971	73	69	76	¹ 1977	1,371	207.7	112	43,192	.5	10,000
Chile.....	1969-70	62	58	65	¹ 1978	293	38.6	277	¹⁰ 5,671	(NA)	¹¹ 1,477
China: Mainland.....	(NA)	(NA)	(NA)	(NA)	³ 1979	65,009	1,932.1	508	447,000	2.2	(NA)
Taiwan ¹²	1979	71	68	73	³ 1980	10,884	39.5	446	⁷ 13,338	1.3	1,908
Czechoslovakia.....	1979	71	67	75	³ 1977	557	184.8	81	⁴ 42,210	.4	⁵ 7,746
Egypt.....	1975	54	53	55	³ 1978	1,473	81.3	490	⁶ 43,547	(NA)	⁹ 5,764
Ethiopia.....	1964-71	36-44	(NA)	(NA)	1978	83	9.9	3,016	515	57.7	15
France.....	1979	73	70	78	1977	3,548	644.1	82	⁹ 91,442	.6	⁶ 27,893
German Dem. Rep.....	1977	72	69	75	1978	(NA)	177.4	94	32,397	.5	8,894
Germany, F.R.....	1976-78	72	69	76	¹ 1978	3,328	714.9	85	135,711	.5	32,950
Greece.....	1970	72	(NA)	(NA)	¹ 1978	701	59.0	158	22,337	.4	7,177
Hungary.....	1979	70	67	73	³ 1978	(NA)	93.9	113	⁹ 26,768	(NA)	⁶ 3,308
India.....	1969	47	48	47	1978	(NA)	506.9	1,254	178,000	3.6	(NA)
Indonesia.....	1975	48	45	48	1979	996	83.1	1,751	12,400	11.7	2,500
Iran.....	1973-76	58	58	57	¹ 1976	(NA)	55.5	806	16,200	2.3	2,367
Italy.....	1974-77	73	70	76	¹ 1977	1,893	573.9	98	¹¹ 164,555	.3	⁹ (NA)
Japan.....	1978	76	73	78	¹ 1977	8,470	1,207.0	94	148,580	.8	49,577
Korea, Rep. of.....	1970	64	62	66	³ 1978	(NA)	58.1	636	⁹ 22,564	(NA)	⁶ 3,620
Mexico.....	1969-71	60	58	62	1974	1,575	67.4	863	31,571	(NA)	⁷ 1,879
Morocco.....	1972	51	51	52	¹² 1977	132	23.7	771	¹⁰ 978	(NA)	⁹ 155
Netherlands.....	1978	75	72	79	1978	309	98.9	(NA)	24,878	.6	5,052
Nigeria.....	1971-73	41	40	43	1979	9,270	69.8	1,069	6,584	11.3	289
Pakistan.....	1962-65	48	49	47	³ 1979	(NA)	50.9	1,567	⁹ 23,594	(NA)	1,018
Philippines.....	1975	61	59	64	³ 1978	1,168	76.1	597	¹⁰ 6,063	(NA)	¹⁰ 887
Poland.....	1975-76	71	67	75	¹ 1978	1,103	265.6	131	61,460	.6	16,527
Romania.....	1976-78	70	67	72	¹ 1978	(NA)	195.0	112	31,285	.7	6,798
South Africa.....	1965-70	57	53	61	1973	788	156.2	152	12,060	2.0	1,767
Soviet Union.....	1973-74	70	64	74	1980	23,100	3,324.0	80	¹³ 995,600	(NA)	(NA)
Spain.....	1975	73	70	76	¹ 1976	1,226	192.9	186	¹¹ 81,658	(NA)	¹¹ 3,532
Sri Lanka.....	1970-72	64	63	66	³ 1978	469	41.5	341	¹⁰ 2,055	(NA)	¹⁰ 218
Sweden.....	1977	75	(NA)	(NA)	¹² 1977	701	122.5	67	16,340	.5	7,810
Thailand.....	1974-75	61	58	64	¹ 1976	349	52.2	823	6,395	7.2	¹¹ 1,122
Turkey.....	1974-75	57	55	58	⁵ 1978	776	86.5	498	27,241	1.6	7,077
United Kingdom ¹⁴	1976-78	73	70	76	¹² 1977	(NA)	409.8	119	75,000	.7	(NA)
Venezuela.....	1971	63	61	67	1978	444	41.4	317	14,771	.9	4,942
Vietnam.....	(NA)	(NA)	(NA)	(NA)	³ 1978	11,015	192.4	266	12,936	4.2	⁹ 770
Yugoslavia.....	1977	70	68	73	¹² 1977	(NA)	129.4	169	29,980	.7	5,984
Zaire.....	1955-57	37-40	(NA)	(NA)	1979	942	79.2	322	1,900	13.5	¹⁵ 98

NA Not available. ¹Personnel data are for 1979. ²Personnel data are for 1975. ³Personnel data are for 1980.
⁴Stomatologists and odontologists included with physicians. ⁵Includes nonuniversity level dentists. ⁶Personnel data are for 1974. ⁷Personnel in hospitals only. ⁸Government establishments only. ⁹Number of registered persons. Data for Taiwan include Chinese herb doctors. ¹⁰Personnel in government service. ¹¹Source of health data: U.S. Bureau of the Census. Data from Republic of China, *Statistical Yearbook of the Republic of China, 1981*. ¹²Personnel data are for 1978. ¹³Includes dentists. ¹⁴Health data cover England and Wales only.

Source: Life expectancy—U.S. Bureau of the Census, *Demographic Estimates for Countries with a Population of 10 Million or More: 1981, 1981 and World Population 1979—Recent Demographic Estimates for the Countries and Regions of the World, 1982*; Health—Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook*, (copyright).

No. 1522. ILLITERATE POPULATION 15 YEARS OLD AND OVER, BY REGION: 1970 AND PROJECTIONS TO 1980 AND 1990

[In millions, except percent. Illiteracy is defined as the inability both to read and write. See text, p. 854, for general comments concerning the data. -See table 1519 for country components of regions]

REGION	1970			1980			1990		
	Total adults	Illiterate adults		Total adults	Illiterate adults		Total adults	Illiterate adults	
		Number	Per-cent		Number	Per-cent		Number	Per-cent
World ^{1 2}	1,753	599	32.5	2,165	627	28.9	2,660	683	25.7
Africa	197	139	70.6	257	156	60.6	341	168	49.1
Latin America	162	46	28.1	218	44	20.3	291	40	13.7
Northern America	162	2	1.0	190	1	.5	207	1	.5
East Asia ¹	101	3	3.4	118	3	2.4	135	2	1.8
South Asia ²	600	358	59.6	789	402	51.0	1,048	451	43.0
Europe	345	15	4.3	375	12	3.1	398	10	2.5
Soviet Union	173	1	.5	203	1	.5	220	1	.5
Oceania	13	1	9.9	16	1	8.3	19	2	8.3

¹ Excludes People's Republic of China and Democratic People's Republic of Korea. ² Excludes Vietnam.

Source: United Nations Educational, Scientific, and Cultural Organization, Paris, France, *Estimates and Projections of Illiteracy*, CSR-E-29, 1978.

No. 1523. EDUCATION AND ILLITERACY, BY COUNTRY

[Teachers and students: Data cover both public and private schools for school year beginning in year stated and exclude schools and classes organized for adults or handicapped children. Expenditure: Include both capital and current expenditures on public education and subsidized private education converted to U.S. dollars at end of period exchange rates then in effect. For all communist countries except Bulgaria, German Democratic Republic, and Romania, non-commercial rates were used. Illiteracy: Defined as inability both to read and write in any, or a specified, language. See text, p. 854, for general comments concerning the data. For additional qualifications for individual countries, see source]

COUNTRY	Year	1ST LEVEL ¹		2D LEVEL ²		PUBLIC EXPENDITURE FOR EDUCATION				Illiterate population, 1980: Percent of population, 15 years old and over
		Teachers (1,000)	Students enrolled (1,000)	Teachers (1,000)	Students enrolled (1,000)	Year	Total (mil. dol.)	Percent of—		
								Total public expenditure	Gross national product	
United States.....	1977	³ 1,330	³ 25,652	³ 1,130	³ 20,342	1977	120,700	17.7	6.3	.5
Afghanistan.....	1979	33	1,006	6	133	1978	59	13.7	1.7	86.7
Algeria.....	1979	85	3,061	37	933	1979	⁴ 1,160	⁴ 12.3	⁴ 3.8	58.2
Angola.....	1972	13	516	5	79	1972	⁴ 48	⁴ 11.9	⁴ 2.2	(NA)
Argentina.....	1977	199	3,680	⁶ 173	⁶ 1,293	1978	1,751	10.9	2.7	6.7
Australia.....	1979	⁷ 91	⁷ 1,681	85	1,098	1977	6,402	16.2	6.5	.5
Austria.....	1979	26	421	60	726	1978	3,280	8.0	5.7	.5
Bangladesh.....	1979	188	8,219	112	2,764	1978	159	10.1	2.2	58.6
Belgium.....	1979	44	⁸ 662	⁷ 71	⁸ 839	1978	⁵ 5,788	⁵ 16.7	⁵ 6.0	.5
Brazil.....	1977	897	20,567	168	2,438	1979	7,479	(NA)	3.8	24.5
Bulgaria.....	1979	51	976	26	321	1978	1,043	(NA)	⁵ 5.6	5.6
Burma.....	1977	68	3,711	24	886	1977	68	12.2	1.7	30.3
Cameroon.....	1978	25	1,254	8	199	1978	117	16.0	2.9	44.8
Canada.....	1979	^{10 11} 256	2,206	^{12 13} 97	¹³ 2,388	1978	16,153	18.5	8.1	.5
Chile.....	1979	66	2,236	27	536	1978	491	(NA)	3.2	7.5
China: Mainland.....	1978	(NA)	146,240	(NA)	65,483	(x)	(NA)	(NA)	(NA)	(NA)
Colombia.....	1979	139	4,338	86	1,879	1978	⁹ 513	⁹ 19.9	⁹ 2.3	13.7
Cuba.....	1979	67	1,550	¹² 62	1,009	1978	1,478	(NA)	(NA)	(NA)
Czechoslovakia.....	1979	90	1,875	26	376	1978	1,992	7.5	⁹ 4.9	(NA)
Ecuador.....	1979	¹⁴ 40	¹⁴ 1,428	¹⁴ 31	¹⁴ 535	1978	⁹ 261	⁹ 25.2	⁹ 3.6	18.7
Egypt.....	1979	137	4,435	112	2,593	1978	1,112	(NA)	4.1	45.7
Ethiopia.....	1979	31	1,811	¹² 9	¹² 371	1978	¹⁰ 69	(NA)	¹⁰ 2.0	95.2
France.....	1979	232	4,651	365	5,008	1978	25,301	(NA)	5.3	.5
German Dem. Rep.....	1979	¹¹ 169	2,314	¹⁶ 16	509	1978	⁵ 5,020	(NA)	¹⁰ 5.8	(NA)
Germany, Fed. Rep. of.....	1979	273	5,354	267	4,243	1979	34,699	(NA)	4.6	.6
Ghana.....	1978	¹⁷ 46	¹⁷ 1,295	32	614	1978	¹⁰ 323	(NA)	¹⁰ 2.5	55.2
Greece.....	1978	¹⁴ 36	¹⁴ 923	^{13 14} 27	¹⁴ 710	1978	⁹ 764	(NA)	⁹ 2.4	12.0
Guatemala.....	1980	¹⁸ 22	803	^{14 18} 8	¹⁴ 173	1976	73	13.2	1.7	47.3
Hungary.....	1979	73	1,128	⁹ 24	199	1978	1,421	4.2	4.0	.7
India.....	1977	1,354	69,750	¹⁰ 1,506	¹⁰ 25,441	1977	2,923	9.9	2.9	59.7
Indonesia.....	1978	²⁰ 592	22,025	¹⁹ 171	4,468	1978	954	8.7	2.0	33.1
Iran.....	1977	155	5,021	¹⁹ 95	¹⁹ 2,257	1977	⁴ 4,272	(NA)	⁵ 5.7	53.4
Iraq.....	1979	93	2,609	33	970	1978	⁹ 647	⁵ 13.5	⁵ 3.7	58.6
Italy.....	1979	⁶ 269	4,518	⁶ 494	5,289	1978	11,959	9.8	4.6	6.2
Ivory Coast.....	1978	22	899	¹³ 4	¹³ 147	1978	534	22.7	7.2	66.1
Japan.....	1979	³ 462	³ 11,629	³ 541	³ 9,481	1978	55,563	16.1	6.1	

See footnotes at end of table.

No. 1523. EDUCATION AND ILLITERACY, BY COUNTRY—CONTINUED

[See headnote p. 863]

COUNTRY	Year	1ST LEVEL ¹		2D LEVEL ²		PUBLIC EXPENDITURES FOR EDUCATION				Liter- ate popula- tion, 1980: Percent of popula- tion, 15 years old and over
		Teach- ers (1,000)	Stu- dents enrolled (1,000)	Teach- ers (1,000)	Stu- dents enrolled (1,000)	Year	Total (mil. dol.)	Percent of—		
								Total public expendi- tures	Gross nation- al product	
Kenya	1978	²¹ 90	3,232	²¹ 13	¹⁹ 376	1978	295	15.1	5.5	50.4
Korea, Dem. Peo. Rep. of	1976	(NA)	2,562	(NA)	(NA)	(X)	(NA)	(NA)	(NA)	(NA)
Korea, Rep. of	1980	119	5,658	¹³ 82	4,285	1979	1,626	17.4	2.7	7.3
Madagascar	1978	24	1,311	¹³ 25	¹³ 132	1977	136	24.3	7.7	(NA)
Malaysia	1980	²² 61	²² 1,661	²² 43	²² 943	1977	708	(NA)	(NA)	27.9
Mali	1978	7	293	¹³ 23	¹⁹ 21 67	1978	44	30.5	5.3	89.9
Mexico	1979	354	14,283	251	4,285	1979	6,103	(NA)	5.2	16.1
Morocco	1979	54	2,052	¹³ 34	⁶ 662	1979	¹³ 657	(NA)	¹³ 4.3	74.4
Mozambique	1979	¹² 7	1,495	¹³ 3	105	(NA)	(NA)	(NA)	(NA)	72.5
Nepal	1979	26	1,013	15	449	1979	29	8.3	1.6	62.7
Netherlands	1979	57	1,380	¹³ 22 48	1,385	1978	11,054	(NA)	8.5	.5
Nigeria	1977	¹³ 103	9,485	¹³ 17	²⁴ 980	1979	2,574	16.2	4.3	70.1
Pakistan	1978	155	6,564	126	2,155	1979	419	5.1	2.0	67.5
Peru	1978	78	3,126	37	1,080	1979	271	10.5	2.1	18.5
Philippines	1979	¹⁷ 252	8,113	²⁰ 80	2,918	1979	578	(NA)	2.0	11.3
Poland	1979	205	4,113	143	1,715	1979	² 2,157	⁶ 7.3	⁶ 2.3	.8
Portugal	1977	84	1,220	22	500	1977	⁶ 636	⁶ (NA)	⁶ 3.7	19.9
Romania	1979	154	3,122	53	824	1979	1,061	(NA)	⁶ 3.9	4.9
Saudi Arabia	1979	47	858	26	327	1979	4,841	10.2	7.8	83.8
South Africa	1972	¹¹ 120	¹¹ 4,653	(NA)	(NA)	1976	1,435	15.0	4.3	20.7
Soviet Union	1979	¹¹ 2,325	33,576	²⁰ 231	10,217	1978	47,431	12.0	⁶ 7.4	.5
Spain	1977	203	3,602	¹⁶ 36	3,502	1976	2,302	16.8	2.1	7.2
Sri Lanka	1979	⁶ ¹⁷ 61	¹⁷ 1,976	¹³ ¹⁷ 59	¹³ ¹⁷ 1,160	1978	60	5.9	2.2	(NA)
Sudan	1979	42	1,428	17	358	1976	361	15.7	6.3	78.4
Sweden	1979	²¹ 39	677	²¹ 62	591	1978	7,850	13.1	9.1	.5
Switzerland	1979	(NA)	⁵ 506	(NA)	¹³ ²⁷ 428	1978	4,470	18.7	5.1	.5
Syria	1979	50	1,461	31	589	1978	456	9.8	5.8	45.0
Tanzania	1980	²² ²⁰ 61	²² 3,380	¹⁶ 4	¹⁶ 79	1979	276	11.3	6.4	52.5
Thailand	1977	¹⁷ ²⁰ 241	6,958	¹⁹ 47	¹⁹ 1,147	1979	871	19.3	3.2	14.2
Turkey	1978	187	5,571	91	2,075	1978	190	(NA)	3.6	34.8
Uganda	1979	²² 36	²² 1,224	²² 4	²² 78	1977	106	(NA)	1.8	52.1
United Kingdom	1978	275	5,327	¹³ 327	5,361	1976	14,177	14.3	6.3	.5
Upper Volta	1979	3	185	⁶ ¹³ (Z)	25	1978	26	19.3	3.0	95.4
Venezuela	1979	⁶ 62	2,456	⁶ 47	820	1978	1,995	8.2	5.1	17.7
Vietnam	1979	217	7,923	²⁴ 126	²⁴ 3,201	(X)	(NA)	(NA)	(NA)	(NA)
Yugoslavia	1979	59	1,423	129	2,414	1978	2,977	(NA)	5.3	13.0
Zaire	1977	¹² 73	3,319	(NA)	644	1979	⁶ 363	⁶ 25.8	⁶ 5.0	42.1
Zimbabwe	1976	22	863	¹³ 4	81	1979	⁶ 174	⁶ 12.0	⁶ 5.0	29.2

NA Not available. X Not applicable. Z Fewer than 500. ¹Schools providing basic instruction in the tools of learning; length of this education may vary from 4 to 9 years among countries. Excludes nursery school and kindergarten. ²Middle, secondary, or high schools providing general or specialized instruction more advanced than primary level. ³Includes special education. ⁴Ministry of Education expenditure for 1st and 2d level. ⁵Current expenditures only. ⁶1978 data. ⁷Includes preprimary classes, special education, and correspondence courses. ⁸Expenditures of the Ministry of Education only. ⁹Percent of net material product. ¹⁰1978 data. ¹¹Includes general education at the 2d level. ¹²1970 data. ¹³General education only. ¹⁴Includes evening schools. ¹⁵Excludes expenditures on universities. ¹⁶Vocational education only. ¹⁷Covers public education only. ¹⁸1979 data. ¹⁹General education and teacher training. ²⁰Excludes religious schools. ²¹1977 data. ²²1975 data. ²³Covers West Malaysia only. ²⁴1976 data. ²⁵Percentage of gross material product. ²⁶Includes teacher-training, evening, and correspondence courses. Data referring to general education are included with education at the 1st level. ²⁷Includes adult pupils. ²⁸Tanzania mainland only. ²⁹Covers government-maintained and aided schools only. ³⁰Includes education preceding the 1st level.

Source: United Nations Educational, Scientific, and Cultural Organization, Paris, France, *Statistical Yearbook* (copyright); and "Estimates and Projections of Illiteracy", CSR E-29, September 1978.

Gross National Product

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NO. 1524. GROSS NATIONAL PRODUCT, IN CURRENT AND CONSTANT (1978) DOLLARS AND PER CAPITA: 1970 TO 1979

(In billions of dollars, except as indicated. For explanation of conversion to U.S. dollars, see headnote, table 1547. For explanation of gross national product (GNP), see text, p. 415.)

COUNTRY	CURRENT DOLLARS						CONSTANT (1978) DOLLARS					
	1970	1975	1976	1977	1978	1979	1970	1975	1979	Per capita (dol.)		
										1970	1975	1979
United States	985.8	1,537.0	1,710.0	1,907.0	2,132.9	2,374.0	1,831.5	1,833.5	2,181.2	7,958	8,567	9,889
Afghanistan	1.7	2.8	3.1	3.4	3.8	(NA)	2.8	3.3	(NA)	231	245	(NA)
Algeria	9.6	18.7	19.0	21.5	25.0	29.6	15.9	20.0	27.2	1,150	1,246	1,503
Argentina	33.0	54.7	58.6	63.0	64.9	74.9	54.6	65.3	68.8	2,292	2,559	2,530
Austria	25.8	43.3	48.3	53.0	57.5	65.8	42.7	51.7	60.4	5,768	6,888	8,057
Bangladesh	(X)	5.9	7.0	7.5	8.7	9.9	(X)	7.1	9.1	(X)	89	103
Belgium	45.3	74.8	82.9	88.7	97.3	108.5	75.0	89.2	99.7	7,732	9,105	10,168
Brazil	58.9	131.5	150.3	168.8	188.6	217.6	94.2	156.9	200.0	964	1,446	1,677
Bulgaria	15.1	26.5	28.8	29.9	32.8	36.6	25.0	31.6	33.6	2,947	3,627	3,818
Burma	2.0	3.3	4.1	4.7	5.4	6.1	3.4	3.9	4.9	124	127	145
Canada	85.2	150.7	167.2	181.2	200.4	224.0	141.1	179.8	205.8	6,823	7,821	8,884
Chile	7.6	10.2	11.1	12.9	15.0	17.6	12.5	12.2	16.1	1,334	1,195	1,493
China												
Mainland	144.0	274.0	293.0	338.0	404.0	477.0	238.3	326.8	438.3	111	344	433
Taiwan	7.3	15.4	18.4	21.4	26.1	30.7	12.1	18.4	28.2	114	1,143	1,613
Colombia	8.5	16.1	17.7	19.8	23.1	26.5	14.1	19.2	24.4	861	787	930
Cuba	4.7	8.3	(NA)	(NA)	(NA)	(NA)	7.7	7.5	(NA)	897	610	(NA)
Czechoslovakia	46.0	75.8	80.9	89.2	97.4	105.4	76.2	80.2	96.8	5,328	5,094	6,371
Egypt	5.5	9.3	11.5	13.3	15.7	17.8	9.0	11.1	16.4	274	399	398
Ethiopia	1.7	2.8	3.0	3.3	3.5	4.0	2.8	3.3	3.7	112	115	116
France	210.3	363.9	390.6	428.0	473.6	531.5	348.0	422.2	488.3	6,850	8,011	9,127
German Dem. Rep.	52.3	88.2	92.4	100.8	110.0	121.1	66.5	102.8	111.3	5,057	6,083	6,825
Germany, Fed. Rep.	312.7	480.7	531.9	578.4	641.0	727.9	517.5	573.6	668.8	8,525	9,279	10,910
Ghana	6.4	9.1	9.3	10.1	11.2	12.3	10.8	10.9	11.3	1,208	1,058	864
Greece	13.0	23.2	26.0	28.6	32.5	36.9	21.8	27.7	33.9	2,453	3,073	3,602
Hungary	21.2	34.8	36.3	41.0	45.1	48.3	35.1	41.5	44.4	3,411	3,950	4,150
India	52.5	84.9	90.6	103.8	118.8	129.2	66.9	101.2	113.2	156	164	169
Indonesia	16.9	33.3	37.5	43.2	49.0	56.0	28.0	39.8	51.4	227	290	347
Iran	26.7	51.7	72.1	77.1	75.1	71.1	44.3	73.6	65.3	1,531	2,210	1,747
Iraq	5.9	13.6	15.9	18.3	22.6	34.8	9.8	16.3	32.0	1,035	1,453	2,477
Italy	126.4	196.0	218.2	236.4	258.9	297.1	209.3	233.9	272.9	3,896	4,191	4,798
Japan	387.6	686.5	768.2	858.9	974.2	1,122.9	641.4	818.9	1,031.7	6,150	7,338	8,901
Kampuchea	7	6	(NA)	(NA)	(NA)	(NA)	1.1	7	(NA)	154	109	(NA)
Kenya	1.9	3.4	3.8	4.4	5.1	5.8	3.1	4.1	5.3	278	304	335
Korea, Dem. Peo. Rep.	3.7	10.1	10.2	10.8	12.4	14.0	6.1	12.0	12.9	427	730	887
Korea, Rep. of	13.1	28.0	33.9	39.6	47.4	54.8	21.7	33.4	50.4	857	910	1,268
Madagascar	1.3	1.8	1.9	2.0	2.1	2.5	2.1	2.2	2.3	314	286	278
Malaysia	5.0	9.9	11.6	13.2	15.1	17.9	8.3	11.8	16.4	762	953	1,199
Mexico	37.5	67.6	72.1	79.4	90.7	106.1	62.1	80.6	97.6	1,238	1,373	1,481
Morocco	4.8	8.9	10.5	11.9	13.1	14.7	8.0	10.8	13.5	500	584	682
Mozambique	(X)	2.1	2.1	2.2	2.4	2.6	(X)	2.5	2.4	(X)	270	241
Nepal	8	12	14	15	16	18	14	15	17	113	111	115
Netherlands	61.3	98.8	109.6	119.7	130.7	145.6	101.5	117.8	133.7	7,807	8,599	9,553
Nigeria	19.3	39.8	46.8	51.8	58.6	67.5	32.0	47.6	62.0	568	724	831
Pakistan	8.0	13.2	14.5	16.1	18.5	21.3	13.2	15.7	18.6	201	208	232
Peru	5.4	9.5	10.1	10.7	11.3	12.6	9.0	11.3	11.8	666	730	671
Philippines	6.8	16.9	18.8	21.2	24.6	28.4	14.7	20.1	26.1	391	487	546
Poland	60.3	115.0	123.7	133.3	148.2	155.6	99.8	137.2	142.9	3,070	4,033	4,080
Portugal	6.1	13.6	15.1	17.0	19.1	22.0	13.5	16.2	20.2	1,498	1,720	2,059
Romania	34.1	65.5	76.7	83.7	94.9	105.9	56.4	78.2	97.3	2,776	3,688	4,403
South Africa	19.7	34.2	36.5	38.8	42.5	47.9	32.6	40.8	44.0	1,449	1,599	1,583
Soviet Union	526.8	901.0	972.3	1,065.4	1,148.7	1,260.1	871.8	1,074.8	1,157.8	3,587	4,231	4,402
Spain	62.3	113.2	122.9	132.8	145.9	160.2	103.1	135.0	147.2	3,050	3,814	3,988
Sri Lanka	1.2	1.9	2.1	2.3	2.7	3.1	2.0	2.3	2.9	159	167	196
Sudan	2.3	4.2	4.6	5.1	5.7	6.4	3.8	5.0	5.9	280	314	324
Sweden	47.3	72.1	76.7	78.8	86.5	97.7	76.2	86.0	88.8	9,775	10,490	10,814
Switzerland	50.2	72.3	75.3	82.1	87.8	96.2	83.2	86.2	88.4	13,198	13,472	14,034
Syria	2.6	6.2	7.0	7.2	8.5	9.4	4.4	7.4	8.6	695	993	1,017
Tanzania	1.8	3.1	3.4	3.8	4.3	4.9	2.9	3.7	4.5	221	239	256
Thailand	8.1	15.1	17.3	19.6	22.8	26.3	13.4	18.1	24.2	360	426	517
Turkey	19.2	38.6	43.7	48.2	53.1	58.2	31.8	44.1	53.4	891	1,136	1,186
Uganda	5.0	7.2	7.8	8.2	8.4	8.3	8.3	8.6	7.6	851	745	579
United Kingdom	157.9	240.9	263.0	280.9	311.7	342.3	261.3	287.9	314.5	4,707	5,130	5,626
Venezuela	15.1	26.0	31.9	36.0	39.7	43.6	25.0	33.4	40.1	2,338	2,632	2,763
Vietnam	1.4	1.3	7.2	(NA)	(NA)	(NA)	2.3	1.5	(NA)	62	(NA)	(NA)
Yugoslavia	21.1	38.8	42.3	48.2	55.3	64.4	34.9	46.0	58.2	1,711	2,151	2,665
Zaire	3.6	5.8	5.6	6.1	6.3	6.8	6.0	7.0	6.2	277	280	221

NA Not available. X Not applicable. *Beginning 1976, includes former Republic of South Vietnam.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual. Data from International Bank for Reconstruction and Development and U.S. Central Intelligence Agency.

No. 1525. GROSS DOMESTIC PRODUCT—PERCENT DISTRIBUTION BY TYPE OF EXPENDITURE AND KIND OF ECONOMIC ACTIVITY

[In percent. In general, "Agriculture" includes forestry, hunting, and fishing; "Industrial activity" covers mining, manufacturing, electricity, gas and water; and "Other" comprises financing, insurance, real estate, and business services; community, social, and personal services; producers of government services; and other producers. Data by kind of economic activity do not add to 100 percent for some countries because import duties are excluded in the reported industrial groups; data for Bulgaria, Czechoslovakia, German Democratic Republic, Hungary, Poland, Soviet Union, and Yugoslavia are based on the material production system of accounts which include the sum of goods and material services but exclude nonmaterial services such as finances and education. Minus sign (—) denotes decrease]

COUNTRY	TYPE OF EXPENDITURE					KIND OF ECONOMIC ACTIVITY								
	Year	Final consumption expenditure		Increase in stocks	Gross fixed capital formation	Exports	Less imports	Year	Agriculture	Industrial activity	Construction	Wholesale and retail trade	Transport and communications	Other
		Govt.	Private											
United States.....	1979	17	64	1	19	9	10	1979	3	30	5	17	6	39
Algeria.....	(X)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1980	62	22	4	7	4	1
Algeria.....	1979	14	46	2	40	31	34	1979	6	41	13	13	5	21
Argentina.....	1975	10	71	(Z)	21	7	10	1975	12	36	4	10	8	26
Australia.....	1980	17	80	(Z)	24	17	19	1978	7	29	7	14	7	35
Austria.....	1980	18	55	3	25	39	41	1980	4	32	8	17	6	33
Bangladesh.....	1980	6	90	-	15	6	16	1980	54	8	6	11	6	15
Belgium.....	1980	19	64	(Z)	21	60	63	1980	2	29	8	(NA)	9	34
Bolivia.....	1980	14	75	-1	12	19	18	1980	16	25	4	18	9	26
Brazil.....	1980	9	72		21	9	11	1980	11	24	5	14	4	42
Bulgaria.....	(X)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1980	17	46	9	14	8	4
Burma.....	1979	66		1	17	6	10	1979	45	11	1	29	3	10
Canada.....	1980	20	56	(Z)	23	29	28	1980	4	26	5	10	7	48
Chile.....	1980	12	72	1	17	21	24	1980	7	32	5	18	5	33
Colombia.....	1980	8	68	1	22	16	16	1980	25	25	5	18	7	21
Czechoslovakia.....	(X)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1980	8	64	11	12	4	(Z)
Denmark.....	1980	27	56	(Z)	18	33	34	1977	5	18	7	15	7	48
Dominican Republic.....	1979	8	74	1	23	21	26	1979	19	20	7	17	6	30
Ecuador.....	1980	14	60	3	25	24	27	1980	12	30	7	14	9	27
Egypt.....	1979	17	69	4	27	26	42	1979	22	28	5	16	7	22
Ethiopia.....	1976	14	77		10	13	14	1976	46	11	4	9	5	26
France.....	1980	15	63	2	22	22	24	1980	4	29	7	12	6	42
German Dem. Rep.....	(X)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1980	9	63	7	14	5	3
Germany, Fed. Rep. of.....	1980	20	55	1	24	27	27	1980	2	40	8	9	6	35
Ghana.....	1978	11	85	-1	6	8	10	1978	61	10	2	13	3	11
Greece.....	1980	16	65	5	23	20	26	1980	15	20	8	11	7	39
Guatemala.....	1980	8	79	(Z)	16	22	25	1980	25	19	3	27	7	19
Haiti.....	1980	87		20	28	28	35	1980	32	20	5	18	2	22
Hungary.....	(X)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1980	14	49	10	20	5	1
India.....	1979	10	69	4	19	7	9	1980	33	19	4	13	5	25
Indonesia.....	1980	13	57	22		31	22	1980	26	36	6	14	4	15
Iran.....	1977	20	40	(NA)	34	6		1977	9	43	9	6	4	29
Iraq.....	1975	51		9	27	58	45	1976	7	61	8	4	5	15
Italy.....	1980	18	62	5	20	25	28	1980	6	35	8	15	6	29
Ivory Coast.....	1978	16	54	(Z)	30	37	36	1978	26	13	9	(1)	7	147
Japan.....	1980	10	56	1	32	14	16	1980	4	34	9	12	7	34

Kampuchea.....	1966	17	70	3	16	8	13	1986	41	17	42	10	5	39
Kenya.....	1980	20	66	5	21	28	41	1980	28	13		10	5	39
Korea, Republic of.....	1980	13	65	1	32	37	43	1980	16	31		15	6	22
Madagascar.....	1979	18	72	22		18	30	1979	37	20	43			
Malawi.....	1978	14	65	6	31	22	38	1973	49	11		12	5	20
Malaysia.....	1980	17	52	1	26	58	54	1973	29	24		13	5	25
Mexico.....	1979	11	62	3	25	12	14	1979	10	31		30	3	19
Morocco.....	1980	20	66	2	21	19	28	1980	18	25		15	4	31
Nepal ¹	1978	7	82	1	17	6	13	1979	58	4		4	6	21
Netherlands.....	1980	18	61	1	21	53	53	1978	4	26		13	6	43
Nigeria ²	1977	12	58	2	29	26	26	1977	23	30		21	3	14
Pakistan ²	1980	9	83	1	16	13	22	1980	27	18		13	7	30
Peru.....	1980	13	68	(Z)	16	24	20	1980	8	42		17	6	24
Philippines.....	1980	8	67	5	25	20	26	1980	23	30		17	6	16
Poland.....	(X)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1980	15	55		10	7	3
Portugal.....	1976	14	81	2	17	17	30	1976	13	34		13	6	29
Saudi Arabia ¹	1978	23	26	2	31	60	42	1978	1	58		6	6	14
South Africa ¹⁰	1980	13	49	4	24	36	27	1980	7	49		11	8	21
Soviet Union.....	(X)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1980	15	51		18	6	-
Spain.....	1979	11	69	1	19	15	15	1978	8	27		17	7	33
Sri Lanka.....	1980	10	78	3	31	31	53	1980	26	22		20	10	13
Sudan ²	1977	11	83	3	11	8	16	1977	36	9		19	10	22
Sweden.....	1980	29	51	1	20	30	32	1980	3	25		11	6	49
Switzerland.....	1980	13	64	3	24	37	40	(X)	(NA)	(NA)		(NA)	6	(NA)
Syria.....	1979	22	70	(Z)	26	18	35	1980	21	21		21	6	25
Thailand.....	1980	13	65	1	27	25	31	1980	26	22		22	7	17
Turkey.....	1977	18	69	-1	22	5	13	1980	22	26		15	10	22
Uganda.....	1971	88		(Z)	16	19	23	1976	73	7		6	2	11
United Kingdom.....	1980	22	60	2	18	28	26	1980	2	29		9	7	48
Upper Volta.....	1979	15	95	2	16	13	40	1979	37	12		15	6	26
Venezuela.....	1980	13	55	(Z)	25	33	26	1980	6	42		8	10	29
Yemen Arab Rep. ²	1976	13	92	8	27	7	47	1976	35	6		22	3	26
Yugoslavia.....	(X)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1980	13	41		22	8	5
Zaire.....	1977	20	69	3	34	29	54	1977	26	16		22	2	30
Zambia.....	1980	28	58	2	20	35	43	1980	14	36		13	7	27
Zimbabwe.....	1979	22	62	2	13	(Z)		1979	12	33		11	8	33

- Represents zero. X Not applicable. NA Not available. ¹ Less than .5 percent. ² Year beginning March 21. ³ Year beginning July 1. ⁴ Gas and water included in "Other". ⁵ Year ending July 7. ⁶ Year ending Sept. 30. ⁷ Wholesale and retail trade included in "Other". ⁸ Fiscal years (year of the Hejra). ⁹ Includes Namibia.

Source: Statistical Office of the United Nations, New York, N.Y., *Monthly Bulletin of Statistics*, vol. XXXVI, No. 7, July 1982. (Copyright.)

NO. 1526. ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT (OECD)—GROSS NATIONAL PRODUCT, 1975 TO 1981, AND CHANGE, 1975-1980 AND 1980-1981

COUNTRY	GROSS NATIONAL PRODUCT (GNP)					GNP PER CAPITA					Inflation rate, ¹ 1980-1981 (per cent)
	Total in constant (1981) dollars (bil.) ¹			Annual percent change ²		In constant (1981) dollars ¹			Annual percent change ²		
	1975	1980	1981	1975-1980	1980-1981	1975	1980	1981	1975-1980	1980-1981	
United States.....	2,411.5	2,992.9	2,957.7	3.8	1.9	11,196	12,863	12,763	2.6	.9	5.4
OECD Europe ³	2,994.8	3,110.8	3,101.1	2.9	.9	7,929	7,999	7,917	2.4	-.9	95.3
Belgium.....	63.2	95.6	95.2	2.9	.6	8,499	9,713	9,655	2.7	-.6	5.0
Luxembourg ⁴	3.4	3.9	3.8	2.5	-2.0	9,444	10,694	10,472	2.8	-2.1	6.2
Denmark.....	48.5	56.2	56.1	2.8	-.2	9,787	10,977	10,867	2.3	-.2	8.8
France.....	484.9	571.3	573.0	3.3	.3	9,185	10,636	10,619	3.0	-.2	11.9
Germany, Fed. Rep.....	578.2	686.6	688.5	3.6	.3	9,352	11,165	11,132	3.7	-.5	4.3
Greece.....	31.5	39.0	38.6	4.4	-.5	3,482	4,046	3,996	3.1	-1.2	19.9
Ireland.....	13.3	16.2	16.5	4.0	1.6	4,192	4,776	4,787	2.6	.4	17.4
Italy.....	290.2	350.9	350.2	3.9	-.2	5,196	6,149	6,122	3.4	-.4	17.8
Netherlands.....	123.9	140.5	136.7	2.6	-1.3	9,075	9,806	9,740	1.9	-2.0	5.7
United Kingdom.....	470.6	510.2	499.2	1.6	-2.2	6,416	6,116	5,941	1.6	-1.9	11.4
Austria.....	55.1	65.4	65.5	3.5	.1	7,327	8,712	8,722	3.5	.1	5.5
Finland.....	40.4	47.0	47.4	3.1	.8	8,567	9,833	9,875	2.6	.4	11.2
Iceland.....	2.9	2.6	2.8	4.1	1.3	10,273	12,000	12,174	3.2	1.4	30.1
Norway.....	43.6	54.6	55.2	4.7	.8	10,693	13,369	13,463	4.2	.6	14.6
Portugal.....	17.5	22.5	22.9	5.2	1.8	1,853	2,276	2,306	4.2	1.3	17.8
Spain.....	166.5	183.9	184.5	2.0	.3	4,676	4,914	4,900	1.0	-.3	13.3
Sweden.....	104.7	111.1	110.1	1.2	-.4	12,762	13,368	13,233	.9	-1.0	9.9
Switzerland.....	89.1	99.7	98.5	1.8	1.9	13,897	15,174	15,415	1.9	1.6	6.4
Turkey.....	47.0	54.0	56.2	2.6	4.0	1,174	1,202	1,212	.6	.8	34.8
Australia.....	133.4	151.3	158.9	2.6	5.0	9,699	10,351	10,693	1.3	3.3	8.6
Canada.....	226.0	266.0	274.0	3.1	2.0	10,073	11,108	11,318	3.0	2.0	16.9
Japan.....	853.9	1,095.0	1,126.6	5.1	2.9	7,654	9,377	9,579	4.2	2.1	2.8
New Zealand.....	22.9	23.8	24.7	.8	3.9	7,422	7,643	7,891	.6	3.2	15.9

¹National currency values converted into dollars by the average 1981 Par Rate/Market Rate, as published by the International Monetary Fund, Washington, D.C. ²Minus sign (-) denotes decrease. ³GNP or GDP (Gross Domestic Product) implicit price deflators, totals weighted by 1980 (base year) OECD weights. ⁴See text, p. 854. ⁵Gross domestic product.

Source: U.S. Department of State, Bureau of Intelligence and Research, *Economic Growth of OECD Countries, 1971-1981*, Report No. 352AR (Revised), 1982, and unpublished data.

NO. 1527. GROSS DOMESTIC PRODUCT OF SELECTED COUNTRIES AS PERCENT OF UNITED STATES: 1950 TO 1980

[Comparisons are based on constant (1975) dollar data converted to U.S. dollars using 1975 exchange rates. See text, p. 415]

COUNTRY	GROSS DOMESTIC PRODUCT								PER CAPITA GROSS DOMESTIC PRODUCT							
	1950	1960	1965	1970	1975	1978	1979	1980	1950	1960	1965	1970	1975	1978	1979	1980
United States.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Canada.....	7	8	9	9	11	10	10	10	20	64	57	81	101	98	99	98
France.....	15	18	18	21	22	21	21	22	55	69	73	83	90	89	90	92
Germany, F.R.....	16	26	26	26	27	26	27	27	52	65	67	94	95	95	98	101
Italy.....	8	11	11	13	12	12	12	13	27	36	41	48	48	47	46	51
Japan.....	10	16	20	29	32	33	33	35	19	30	40	58	63	63	65	69
United Kingdom.....	11	17	16	15	15	14	14	14	53	57	57	57	58	56	56	59

¹Based on 1951 data. ²Based on 1952 data.

Source: U.S. Bureau of Economic Analysis. Adapted from *Long Term Economic Growth, 1950-1970*, using data from the Organization for Economic Cooperation and Development.

NO. 1528. ORGANISATION FOR ECONOMIC COOPERATION AND DEVELOPMENT (OECD)—SELECTED DATA: 1975 TO 1981

(Base for index, 1975=100. Imports c.i.f., except as noted; exports f.o.b. See text, pp. 853 and 854)

COUNTRY	INDUSTRIAL PRODUCTION INDEX				AVERAGE MONTHLY IMPORTS (mil. dol.)				AVERAGE MONTHLY EXPORTS (mil. dol.)			
	1975	1979	1980	1981	1975	1979	1980	1981	1975	1979	1980	1981
United States	124	125	125	128	18,075	17,261	20,100	21,748	5,871	15,160	18,392	18,478
OECD ²	118	124	123	124	48,948	55,015	114,086	108,419	47,317	68,007	183,487	101,881
Australia	108	114	114	117	1,832	1,378	1,884	1,980	882	1,553	1,839	1,815
Austria	114	122	125	124	783	1,882	2,021	1,750	827	1,288	1,447	1,317
Belgium	111	116	115	112	2,558	5,029	5,873	5,154	2,401	4,685	5,375	4,823
Canada	112	118	118	117	2,830	4,480	4,918	5,542	2,892	4,861	5,412	5,881
Denmark	(NA)	(NA)	(NA)	(NA)	881	1,538	1,510	1,459	726	1,218	1,395	1,331
Finland	107	118	129	129	835	942	1,301	1,183	459	929	1,179	1,185
France	113	118	118	117	4,620	8,806	11,238	10,041	4,351	8,185	9,278	8,439
Germany, Fed. Rep.	112	117	117	116	8,184	13,146	15,488	13,558	7,502	14,293	15,974	14,807
Greece	121	129	130	129	443	810	886	743	191	324	432	358
Iceland	(NA)	(NA)	(NA)	(NA)	41	89	83	86	28	68	77	75
Ireland	127	135	133	136	317	822	929	886	268	597	709	653
Italy	114	121	128	125	3,197	8,484	8,309	7,800	2,802	6,010	6,492	6,310
Japan	123	133	142	146	4,822	9,219	11,759	11,890	4,846	8,587	10,799	12,647
Luxembourg	108	111	108	100	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)
Netherlands	109	112	111	109	2,829	5,601	6,408	5,493	2,870	5,302	6,153	5,705
Norway	118	125	132	132	806	1,144	1,413	1,302	600	1,121	1,541	1,494
Portugal	125	134	141	142	319	545	775	812	162	290	387	345
Spain	115	115	117	116	1,355	2,115	2,848	2,681	640	1,518	1,735	1,705
Sweden	93	98	99	94	1,504	2,378	2,785	2,404	1,451	2,294	2,577	2,379
Switzerland	108	109	114	115	1,109	2,442	3,028	2,550	1,080	2,206	2,468	2,241
Turkey	(NA)	(NA)	(NA)	(NA)	387	474	522	745	117	206	229	398
United Kingdom	111	115	108	103	4,438	8,589	10,013	(NA)	3,648	7,588	8,598	(NA)
Yugoslavia	(NA)	(NA)	(NA)	(NA)	841	1,030	1,203	(NA)	339	520	714	(NA)

NA Not available. ¹ Imports f.o.b. ² Includes United States. ³ Luxembourg included with Belgium.

Source: Organisation for Economic Co-operation and Development, Paris, France, *Main Economic Indicators*, monthly, and *Statistics of Foreign Trade* (series A), May 1982.

NO. 1529. FOREIGN TRADE OF THE UNITED STATES, EUROPEAN ECONOMIC COMMUNITY, AND JAPAN—SOURCE OF IMPORTS AND DESTINATION OF EXPORTS: 1973 AND 1980

COUNTRY GROUP	UNITED STATES				E.E.C. ¹				JAPAN			
	Value (bil. dol.)		Percent distribution		Value (bil. dol.)		Percent distribution		Value (bil. dol.)		Percent distribution	
	1973	1980	1973	1980	1973	1980	1973	1980	1973	1980	1973	1980
Imports, total ²	48.1	241.2	100.0	100.0	215.2	730.2	100.0	100.0	38.3	141.1	100.0	100.0
OECD ³	47.6	121.5	88.9	50.4	183.9	524.7	78.2	71.9	18.5	47.5	50.9	33.7
O.P.E.C. ⁴	3.9	52.1	8.8	21.6	18.9	93.4	7.9	12.8	6.8	58.8	17.2	40.3
Non-oil producing developing countries	15.7	61.8	22.7	25.8	23.0	71.6	10.7	9.8	9.4	28.3	24.5	20.1
C.M.E.A. ⁵ and China	8	2.5	9	1.0	8.0	30.6	3.7	4.2	2.3	6.7	6.0	4.7
Exports, total ²	71.3	220.7	100.0	100.0	210.7	684.9	100.0	100.0	36.9	128.8	100.0	100.0
OECD ³	48.2	127.7	64.8	57.9	167.8	502.1	79.6	75.5	18.6	59.7	50.4	48.1
O.P.E.C. ⁴	3.8	17.8	5.0	8.1	8.5	51.5	4.0	7.7	2.7	18.5	7.3	14.3
Non-oil producing developing countries	17.8	84.0	24.7	28.0	22.0	72.3	10.4	10.9	13.1	40.8	35.5	31.3
C.M.E.A. ⁵ and China	2.5	7.6	3.5	3.4	8.9	28.6	4.2	4.0	2.0	9.0	6.4	6.9

¹ European Economic Community. Includes trade among member countries. For member countries, see table 1488. ² Includes South Africa, ships' supplies, areas not specified for reasons of secrecy and miscellaneous, not shown separately.

³ Organization for Economic Cooperation and Development. For member countries, see table 1528. ⁴ Organization of Petroleum Exporting Countries. For member countries, see table 988. ⁵ Council for Mutual Economic Assistance. Covers Soviet Union, German Democratic Republic, Poland, Czechoslovakia, Hungary, Romania, Bulgaria, Cuba, Vietnam, and Mongolia.

Source: Organisation for Economic Co-operation and Development, Paris, France, *Statistics of Foreign Trade*, annual.

No. 1530. TAX REVENUES—SELECTED COUNTRIES: 1970 TO 1980

[Covers national and local taxes and Social Security contributions. GDP=Gross domestic product, see text, p. 415]

COUNTRY	TAX REVENUES (bil. dol.)				AS PERCENT OF GDP				TAX REVENUES PER CAPITA (dol.)			
	1970	1975	1978	1980	1970	1975	1978	1980	1970	1975	1978	1980
United States	287.7	436.3	598.8	775.8	30.1	30.2	31.3	30.7	1,403	2,020	3,105	3,408
Australia	9.5	27.7	38.0	45.7	25.4	29.1	29.7	30.9	753	2,014	2,832	3,128
Austria	5.2	14.5	28.3	31.8	35.7	38.5	41.0	41.3	698	1,934	3,770	4,238
Belgium	9.1	25.8	49.8	52.1	38.0	41.8	45.6	44.7	948	2,635	5,033	5,287
Canada	27.1	56.4	74.4	88.2	32.0	32.8	31.4	32.9	1,268	2,481	3,138	3,802
Denmark	8.4	15.8	29.4	30.3	40.4	41.4	44.7	45.7	1,298	3,076	5,737	5,915
Finland	3.5	10.0	14.5	17.8	32.2	38.2	34.9	35.3	750	2,125	3,045	3,883
France	50.4	126.8	235.5	278.0	35.8	37.4	41.1	42.6	982	2,407	4,405	5,178
Germany, Fed. Rep.	81.0	150.0	284.9	306.1	32.8	35.7	37.5	37.4	1,006	2,425	4,644	4,972
Greece	2.4	5.1	10.7	10.8	24.3	24.6	27.7	26.5	275	567	1,132	1,107
Italy	28.0	55.7	98.3	127.8	27.9	29.0	30.3	32.4	521	987	1,727	2,238
Japan	41.4	107.5	251.2	275.0	19.7	21.0	24.8	26.1	401	984	2,188	2,355
Netherlands	12.8	31.9	70.7	77.4	38.9	45.8	45.1	46.2	989	2,777	5,039	5,474
New Zealand	1.7	4.1	6.7	7.4	26.8	30.1	31.2	31.7	820	1,342	2,132	2,358
Norway	4.4	12.8	21.5	27.2	39.2	44.8	45.7	47.3	1,129	3,182	5,286	6,645
Portugal	1.4	3.7	5.3	7.2	23.2	24.8	25.9	29.8	159	388	535	724
Spain	6.4	20.5	45.9	51.4	17.2	19.6	23.4	24.5	189	578	1,236	1,376
Sweden	13.4	31.8	53.5	61.4	40.7	44.1	50.0	49.6	1,857	3,888	6,448	7,282
Switzerland	5.0	18.1	29.6	31.2	23.8	29.6	31.1	30.8	799	2,510	4,888	4,902
United Kingdom	45.7	83.1	138.2	188.9	37.5	35.9	33.5	36.1	824	1,485	2,434	3,373

Source: Organisation for Economic Co-operation and Development, Paris, France, *Revenue Statistics of OECD Member Countries*, annual.

No. 1531. PERCENT DISTRIBUTION OF TAX RECEIPTS BY TYPE OF TAX—SELECTED COUNTRIES: 1970 AND 1980

COUNTRY AND YEAR	Total ¹	INCOME AND PROFITS TAXES ²			SOCIAL SECURITY CONTRIBUTIONS			TAXES ON GOODS AND SERVICES ³		
		Total ⁴	Individual	Corporate	Total ⁵	Employees	Employers	Total ⁶	General consumption taxes ⁷	Taxes on specific goods and services ⁸
United States: 1970	100.0	47.9	35.2	12.7	18.3	8.1	10.5	18.9	5.6	13.3
1980	100.0	46.8	36.8	10.1	26.4	10.1	15.8	18.6	6.6	12.0
Canada: 1970	100.0	44.8	32.4	11.3	9.6	(NA)	(NA)	31.6	14.4	17.2
1980	100.0	46.2	34.0	11.3	10.4	(NA)	(NA)	32.8	11.7	21.1
France: 1970	100.0	18.2	11.8	6.3	36.2	7.2	26.3	37.8	25.5	12.3
1980	100.0	18.0	12.9	5.0	43.2	11.4	29.0	30.0	21.1	8.9
Germany, Fed. Rep.: 1970	100.0	32.3	26.6	5.7	30.4	13.5	16.8	31.6	17.1	14.5
1980	100.0	35.4	29.9	5.5	34.1	15.5	18.1	27.0	16.8	10.2
Italy: 1970	100.0	17.4	10.9	6.6	37.8	(NA)	(NA)	38.3	13.2	25.1
1980	100.0	33.0	24.7	8.3	35.7	5.7	22.2	27.0	15.8	11.2
Japan: 1970	100.0	41.2	21.1	20.1	22.3	8.6	11.6	22.4	-	22.0
1980	100.0	41.5	24.2	17.3	29.0	10.2	14.8	18.4	-	11.2
Netherlands: 1970	100.0	33.3	26.7	6.7	35.0	15.3	16.5	27.7	14.6	13.1
1980	100.0	32.9	26.3	6.6	38.2	15.8	17.8	24.8	15.9	8.9
Sweden: 1970	100.0	54.0	49.6	4.4	14.9	2.0	11.7	28.6	10.2	18.4
1980	100.0	43.4	41.0	2.5	28.6	-	27.4	24.3	13.3	11.0
United Kingdom: 1970	100.0	40.3	31.1	9.2	13.9	6.2	7.1	28.8	6.5	22.3
1980	100.0	37.7	30.0	7.7	16.9	6.8	9.9	26.8	14.1	12.7

- Represents zero. NA Not available. ¹Includes property taxes, employer payroll taxes other than Social Security contributions, and miscellaneous taxes, not shown separately. ²Includes taxes on capital gains. ³Includes other taxes, not shown separately. ⁴Includes contributions of self-employed, not shown separately. ⁵Taxes on the production, sales, transfer, leasing, and delivery of goods and services and rendering of services. ⁶Primarily value-added and sales taxes. ⁷For example, excise taxes on alcohol, tobacco, and gasoline.

Source: Organisation for Economic Co-operation and Development, Paris, France, *Revenue Statistics of OECD Member Countries*, 1965-81 1982

**NO. 1632. CONSUMER PRICES AND MONEY SUPPLY—ANNUAL PERCENT CHANGES, BY COUNTRY:
1976 TO 1981**

[See text, p. 854, for general comments concerning the data. Money supply as shown here is composed of currency plus demand deposits (M-1). For additional qualifications of the data for individual countries, see source. Minus sign (-) denotes decrease]

COUNTRY	CONSUMER PRICES					MONEY SUPPLY				
	1976- 1977	1977- 1978	1978- 1979	1979- 1980	1980- 1981	1976- 1977	1977- 1978	1978- 1979	1979- 1980	1980- 1981
United States	6.5	7.8	11.3	13.5	10.4	7.2	7.3	6.2	8.7	5.1
Algeria	12.0	17.2	11.4	9.6	(NA)	26.7	27.8	17.8	15.7	17.4
Argentina	176.1	175.5	159.5	100.8	104.5	176.3	144.3	125.4	114.1	(NA)
Australia	12.3	7.9	9.1	10.2	9.7	6.2	6.6	16.4	14.6	9.7
Austria	5.5	3.6	3.7	6.4	6.8	6.6	5.9	-8.1	7.4	3.8
Bangladesh	10.3	13.2	12.7	13.2	13.2	18.6	25.9	18.4	17.5	20.5
Belgium	7.1	4.5	4.5	6.7	7.6	7.8	7.0	3.8	1	3.5
Bolivia	6.1	10.4	19.7	47.2	32.1	31.9	13.5	13.8	38.4	15.1
Brazil	43.7	36.7	52.7	82.8	105.5	36.4	36.6	51.6	75.1	(NA)
Burma	1.1	6.1	5.7	6	3	4.6	6.9	13.9	12.2	(NA)
Canada	6.0	9.0	9.1	10.2	12.4	7.2	8.9	4.9	3.9	3.0
Chile	91.9	40.1	32.4	35.1	19.7	156.7	81.2	60.0	62.6	23.4
Colombia	33.1	17.6	24.7	26.5	27.5	36.2	28.0	25.0	24.7	24.5
Denmark	11.1	10.1	9.6	12.3	11.7	6.0	10.7	13.4	6.0	13.1
Dominican Republic	12.9	3.6	9.2	16.8	7.5	10.5	15.9	11.6	17.3	1.6
Ecuador	13.0	11.7	10.3	13.1	16.4	33.6	13.3	20.3	26.2	23.7
Egypt	12.7	11.1	9.9	20.7	10.5	25.6	24.3	23.9	21.0	12.0
El Salvador	11.9	13.2	15.9	17.4	14.6	33.0	.2	12.0	25.1	2.2
Ethiopia	16.6	14.4	16.1	4.5	5.9	2.6	20.3	13.1	2.4	7
Finland	12.7	7.6	7.5	11.6	12.0	7.8	11.4	16.5	10.9	10.5
France	9.4	9.1	10.6	13.3	13.3	7.4	11.3	12.3	8.0	12.3
Germany, Fed. Rep. of	3.6	2.7	4.1	5.5	5.9	8.2	13.5	7.2	2.4	9
Ghana	116.4	73.1	54.4	50.1	116.5	50.9	74.1	30.3	34.5	35.2
Greece	12.2	12.6	19.0	24.9	24.6	19.6	19.4	19.7	20.3	19.3
Guatemala	12.6	7.9	11.5	10.7	11.4	32.5	11.0	13.6	14.6	1.4
India	6.5	2.5	6.4	11.4	13.0	16.1	14.1	19.6	12.3	15.9
Indonesia	11.0	6.1	21.9	18.5	12.2	29.5	18.8	31.4	43.4	32.6
Iran	27.3	11.7	10.5	20.7	24.2	31.2	30.4	48.1	30.6	(NA)
Iraq	9.1	4.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Ireland	13.6	7.6	13.2	16.2	20.5	17.7	24.2	24.0	4.6	13.0
Israel	34.6	50.6	78.3	131.0	116.6	40.0	37.6	34.0	69.6	93.9
Italy	17.0	12.1	14.7	21.2	17.6	19.6	23.6	23.9	15.9	11.1
Japan	8.1	3.6	3.6	8.0	4.9	7.0	10.8	9.9	6	3.7
Kenya	14.9	16.9	6.0	13.6	11.6	49.9	12.9	9.3	10.6	1.8
Korea, Republic of	10.1	14.4	16.3	26.7	23.3	39.0	26.2	16.0	16.0	11.3
Libya	6.4	29.4	(NA)	(NA)	(NA)	29.3	23.5	24.7	23.2	(NA)
Malaysia	4.6	4.6	3.6	6.7	9.7	16.5	17.9	16.0	17.1	13.3
Mexico	29.1	17.4	16.2	26.4	27.9	26.6	37.2	31.4	31.1	36.7
Morocco	12.6	9.7	6.4	9.4	12.5	20.7	12.7	17.0	9.9	9.0
Netherlands	6.4	4.1	4.2	6.5	6.6	14.4	5.3	2.7	4.2	2.6
Nigeria	21.5	16.7	11.1	11.4	20.8	47.0	11.1	10.3	25.2	22.2
Norway	9.2	6.0	4.9	10.9	13.7	19.9	9.2	8.7	6.5	12.4
Pakistan	10.1	6.7	9.4	11.7	13.8	24.2	16.5	22.5	16.5	15.5
Peru	38.1	57.6	66.7	59.2	75.4	21.6	34.2	59.6	71.1	43.4
Philippines	7.9	7.6	16.6	17.8	11.6	21.1	16.5	11.9	14.1	11.1
Portugal	24.4	22.6	23.6	16.6	20.0	14.9	10.2	18.4	24.5	19.4
Romania	(NA)	2.0	1.8	1.5	1.6	12.9	12.1	10.4	24.6	(NA)
South Africa	11.2	10.2	13.1	13.6	15.2	3.6	6.0	15.3	29.7	36.7
Spain	24.5	19.6	15.6	15.6	14.6	20.7	16.9	13.6	10.2	11.5
Sri Lanka	1.3	12.1	10.6	26.2	17.9	32.4	16.6	17.6	22.2	12.4
Sweden	11.4	9.9	7.3	13.7	12.1	7.5	13.6	12.6	19.2	11.9
Switzerland	1.6	.8	3.6	4.0	6.5	4.7	12.7	7.8	-5.5	9
Syria	12.6	5.1	4.6	19.2	17.9	24.4	27.3	16.6	27.0	27.4
Thailand	7.6	7.9	9.9	19.7	12.7	12.3	15.3	16.6	15.6	5.1
Tunisia	6.6	5.3	7.8	10.0	6.9	10.9	16.1	15.0	16.0	25.4
Turkey	27.1	45.3	56.7	110.2	36.6	35.9	33.6	54.6	54.2	37.3
United Kingdom	15.9	6.3	13.4	16.0	11.9	13.5	20.3	12.2	4.5	10.2
Venezuela	7.7	7.1	12.4	21.6	16.2	23.6	16.6	7.6	13.4	11.7
Yugoslavia	14.6	13.6	21.3	29.9	39.7	31.9	21.2	17.4	31.7	25.2
Zaire	63.1	48.5	106.6	42.1	34.9	64.6	60.7	54.1	23.3	53.6
Zambia	19.6	16.4	9.7	11.7	14.0	14.2	1.9	11.9	10.8	12.7

NA Not available.

Source: International Monetary Fund, Washington, D.C., *International Financial Statistics*, monthly, with annual yearbooks.

No. 1533. CONSUMER PRICE INDEXES FOR SELECTED ITEMS—SELECTED COUNTRIES: 1975 AND 1981

[For percent increases in total consumer prices, see table 780. For explanation of average annual percent change, see Guide to Tabular Presentation]

COUNTRY	INDEXES (1967 = 100)										AVG. ANNUAL PERCENT CHANGE, 1975-1981			
	Total		Food ¹		Clothing		Housing ²		Transportation		Food ¹	Clothing	Housing ²	Transportation
	1975	1981	1975	1981	1975	1981	1975	1981	1975	1981				
United States.....	181.2	272.4	175.4	274.6	142.3	186.9	164.5	293.5	150.6	280.0	7.8	4.8	10.1	10.9
Australia.....	178.7	326.9	165.8	318.9	184.1	323.9	198.6	355.5	(NA)	(NA)	11.5	9.9	10.1	(na)
Austria.....	157.2	217.1	149.4	197.4	141.7	183.2	174.4	254.1	181.4	238.6	4.8	4.4	6.5	9.8
Canada.....	160.1	273.9	180.1	323.0	136.9	209.4	160.7	273.1	150.3	276.0	10.2	7.3	9.2	10.7
France.....	178.9	333.6	182.8	336.0	166.2	291.7	180.8	356.6	192.0	384.3	10.7	9.8	12.0	12.9
Germany, F.R.....	144.1	186.1	135.0	166.9	143.2	167.6	153.7	208.0	151.0	197.1	3.6	4.6	5.0	4.5
Italy.....	186.9	481.8	185.2	451.6	194.6	513.9	173.6	461.7	207.5	566.6	16.0	17.6	17.7	18.3
Japan.....	204.5	295.7	220.9	303.4	217.5	300.0	174.3	235.6	170.2	261.2	5.4	5.5	5.2	7.4
Netherlands.....	175.3	253.8	155.9	208.6	190.6	264.7	173.9	268.9	167.6	243.4	5.0	5.6	7.5	8.4
Sweden.....	184.3	303.3	189.5	324.6	141.9	209.4	177.0	359.6	(NA)	(NA)	11.4	6.7	12.5	(na)
United Kingdom.....	216.5	473.9	243.6	507.5	187.5	310.7	208.7	486.9	224.4	509.2	13.0	8.6	15.2	14.4

NA Not available. ¹Restaurant meals, alcohol, and tobacco are included for some countries; excluded for others. ²Includes shelter, utilities, and household furnishings and operations. However, actual coverage and measurement methods vary significantly from country to country.

Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, periodic.

No. 1534. LABOR FORCE PARTICIPATION RATES, BY SEX AND AGE-GROUP—SELECTED COUNTRIES: 1960 AND 1980

[Participation rates represent percent of population of each specified group in labor force]

COUNTRY	15-19 YEARS OLD		20-24 YEARS OLD		25-54 YEARS OLD		55-64 YEARS OLD		65 YEARS AND OVER	
	1960	1980	1960	1980	1960	1980	1960	1980	1960	1980
United States: Total.....	50.1	57.0	69.0	77.8	70.8	76.7	60.8	55.0	18.9	11.8
Male.....	58.9	61.2	91.4	86.2	95.7	94.0	64.7	71.2	30.3	16.2
Female.....	39.0	52.6	46.5	69.3	42.8	63.8	37.0	40.8	8.0	7.5
Canada: Total.....	48.5	55.2	69.5	79.6	63.4	77.4	55.6	53.8	18.1	8.9
Male.....	50.4	58.0	90.6	86.2	98.3	94.8	67.9	76.1	30.7	18.7
Female.....	46.1	52.2	48.7	73.0	30.8	60.1	22.7	33.6	6.0	4.3
France: Total.....	50.2	22.0	78.5	73.7	70.6	79.8	59.3	53.4	19.1	5.9
Male.....	54.9	26.7	90.0	80.2	96.3	96.4	80.3	68.5	31.1	7.5
Female.....	45.2	18.3	69.0	67.5	45.1	63.0	40.2	39.7	12.0	3.3
Germany, F.R.: Total.....	73.7	35.0	81.4	72.9	68.9	74.1	52.9	44.1	13.9	4.7
Male.....	74.9	36.7	90.3	76.9	66.7	93.5	63.0	67.4	23.2	7.7
Female.....	72.4	33.3	72.0	68.5	45.1	53.9	28.2	26.1	7.9	3.9
Italy: Total.....	56.2	31.1	62.4	61.1	62.7	65.9	(NA)	(NA)	24.4	11.5
Male.....	67.1	33.3	77.4	72.5	95.2	93.1	(NA)	(NA)	40.2	18.3
Female.....	45.2	28.9	48.0	57.9	32.4	38.9	(NA)	(NA)	11.5	5.2
Japan: Total.....	50.8	17.9	79.1	66.6	76.0	76.8	66.4	61.2	39.6	26.3
Male.....	52.7	17.4	87.6	68.6	86.0	97.0	66.6	65.0	56.9	49.9
Female.....	49.0	18.5	70.6	66.7	57.6	56.7	46.7	43.0	25.6	15.3
Sweden: Total.....	61.1	56.6	73.6	63.1	76.2	69.3	64.1	66.6	25.6	8.7
Male.....	62.5	55.3	83.3	64.5	86.1	95.4	69.2	76.7	44.4	14.2
Female.....	59.6	55.6	66.7	61.6	56.0	62.9	40.3	55.3	10.4	3.7
United Kingdom: Total.....	65.9	53.9	78.2	78.7	68.9	60.3	60.2	59.9	12.7	5.3
Male.....	71.4	58.3	93.5	86.5	86.1	96.9	67.5	82.9	24.6	8.9
Female.....	60.2	51.4	62.5	68.4	40.4	63.6	28.4	39.0	5.2	2.9

NA Not available. ¹Persons 16-19 years old. ²1962 data. ³Persons 14-19 years old. ⁴Persons 25-69 years old. ⁵Persons 60 years old and over. ⁶1963 data.

Source: Organisation for Economic Co-operation and Development, Paris, France, unpublished data. Data compiled from national publications.

**NO. 1536. LABOR FORCE PARTICIPATION RATES, BY SEX, AND FEMALES AS PERCENT OF TOTAL
LABOR FORCE FOR SELECTED COUNTRIES: 1960 TO 1980**

COUNTRY	LABOR FORCE PARTICIPATION RATES ¹								FEMALES AS PERCENT OF TOTAL LABOR FORCE			
	Female				Male							
	1960	1970	1975	1980	1960	1970	1975	1980	1960	1970	1975	1980
United States.....	42.6	48.9	53.1	59.7	61.7	67.1	65.3	65.4	32.3	36.7	39.1	41.9
Australia.....	33.1	45.1	49.3	52.6	67.6	62.6	60.2	67.9	24.4	31.9	34.5	36.6
Canada.....	32.0	43.1	50.0	57.3	61.7	65.5	66.2	66.4	25.4	33.3	36.5	39.6
France.....	46.4	48.2	50.6	52.5	68.8	67.2	64.4	62.5	33.4	35.4	37.1	38.5
Germany, Fed. Rep. of.....	49.2	48.1	48.5	49.3	64.4	62.5	65.7	61.7	37.3	35.9	37.2	38.1
Italy.....	37.1	29.6	30.7	36.6	62.2	63.1	61.2	62.7	29.5	26.6	28.0	33.3
Japan.....	60.0	55.3	51.7	54.9	62.2	69.3	69.6	69.1	40.7	39.3	37.3	38.7
Sweden.....	55.0	59.4	67.6	64.8	63.6	66.6	69.2	(NA)	36.9	38.5	42.5	45.2
United Kingdom.....	46.1	50.5	55.3	59.0	66.0	64.6	61.5	60.9	32.7	35.3	37.7	39.1

NA Not available. ¹ Labor force of all ages as percent of population, 15-64 years old. ² 1979 data.

Source: Organization for Economic Co-operation and Development, Paris, France, unpublished data. Data compiled from national sources.

NO. 1536. LABOR FORCE AND UNEMPLOYMENT—INTERNATIONAL COMPARISONS: 1970 TO 1981

(Data on basis of U.S. labor force definitions adopted in 1967 (see text, p. 372) except that minimum age for population base varies as follows: United States, France, Sweden, and, beginning 1975, Great Britain, 16 years; Australia, Canada, Japan, Germany, and, for 1970, Great Britain, 15 years; Italy, 14 years)

COUNTRY	CIVILIAN LABOR FORCE (millions)								PERCENT UNEMPLOYED							
	1970	1975	1976	1977	1978	1979	1980	1981	1970	1975	1976	1977	1978	1979	1980	1981
United States.....	82.8	93.8	96.2	99.0	102.3	105.5	106.9	108.7	4.9	6.5	7.7	7.1	6.1	5.6	7.1	7.6
Australia.....	5.5	6.2	6.2	6.4	6.4	6.5	6.7	6.8	1.6	4.9	4.8	5.6	6.3	6.2	6.1	5.8
Canada.....	8.4	10.0	10.2	10.5	10.9	11.2	11.5	11.8	5.7	6.9	7.1	6.1	6.4	7.5	7.5	7.6
France.....	20.6	21.6	21.8	22.1	22.3	22.5	22.6	22.7	2.4	4.2	4.8	5.0	5.4	6.1	6.5	7.7
Germany, F.R. ²	26.2	25.6	25.4	25.4	25.5	25.8	26.0	26.2	5	3.5	3.5	3.5	3.4	3.0	3.0	4.2
Great Britain.....	24.5	25.2	25.4	25.5	25.6	25.8	25.4	25.4	3.1	4.6	6.0	6.4	6.3	5.7	7.3	11.3
Italy.....	20.0	20.3	20.5	20.5	20.6	20.9	21.2	21.4	3.1	3.2	3.6	3.6	3.7	3.9	3.9	4.2
Japan.....	50.7	52.5	53.1	53.6	54.6	55.2	55.7	56.3	1.2	1.9	2.0	2.0	2.3	2.1	2.0	2.2
Sweden.....	3.9	4.1	4.1	4.2	4.2	4.3	4.3	4.3	1.5	1.6	1.6	1.8	2.2	2.1	2.0	2.5

¹ Preliminary estimates based on incomplete data. ² Federal Republic of Germany. Includes West Berlin.

**NO. 1537. WORK STOPPAGES AND TIME LOST DUE TO INDUSTRIAL DISPUTES—SELECTED COUNTRIES:
1978 TO 1981**

ITEM	United States ¹	Canada ²	Belgium ³	Denmark ⁴	France ⁵	Germany, Fed. Rep. ⁶	Italy ⁷	Japan ⁸	Netherlands	Sweden	United Kingdom ⁹
Number of stoppages:											
1978.....	4,230	1,058	195	314	3,206	(NA)	2,415	1,517	11	89	2,471
1979.....	4,627	1,060	215	219	3,104	(NA)	1,850	1,153	30	207	2,080
1980.....	3,886	1,028	32	226	3,542	(NA)	2,000	1,133	11	212	1,330
1981.....	2,566	1,046	(NA)	(NA)	(NA)	(NA)	1,664	(NA)	(NA)	(NA)	1,280
Workers involved (1,000): ¹⁰											
1978.....	1,623	402	91	59	705	467	8,299	660	3	8	1,041
1979.....	1,727	463	56	167	967	77	14,914	450	32	32	4,606
1980.....	1,366	441	27	62	501	45	12,280	563	20	747	834
1981.....	1,061	339	(NA)	(NA)	(NA)	253	7,443	(NA)	(NA)	99	1,436
Working days lost (1,000):											
1978.....	36,922	7,393	1,002	129	2,200	4,281	8,556	1,357	3	37	8,405
1979.....	34,754	7,634	622	173	3,657	463	22,002	930	307	29	29,474
1980.....	33,289	6,875	222	167	1,674	128	12,626	1,001	55	4,479	11,994
1981.....	24,730	6,876	(NA)	(NA)	(NA)	58	8,046	(NA)	(NA)	209	4,196
Days lost per 1,000 employees: ¹¹											
1978.....	436	640	326	64	129	206	647	36	1	10	420
1979.....	402	656	200	65	214	23	1,630	24	76	6	1,307
1980.....	368	650	71	91	96	6	921	25	14	1,175	540
1981.....	270	614	(NA)	(NA)	(NA)	3	563	(NA)	(NA)	55	201

NA Not available. ¹ Excludes disputes involving fewer than six workers or lasting less than a full day or shift. ² Excludes disputes resulting in fewer than 10 worker-days lost. Excludes workers indirectly affected by a dispute in their own establishment. ³ Excludes workers indirectly affected. ⁴ Excludes political disputes and disputes resulting in less than 100 working days lost. ⁵ Excludes disputes in agriculture and public administration. ⁶ Excludes disputes lasting less than one day except when a loss of more than 100 working days is involved. ⁷ Excludes strikes in agricultural sector, political strikes, and workers indirectly affected by a dispute in their own establishment. ⁸ Excludes disputes lasting less than four hours and workers indirectly affected by a dispute in their own establishment. ⁹ Excludes disputes not connected with terms of employment or conditions of labor and disputes involving fewer than 10 workers or lasting less than one day unless a loss of more than 100 working days is involved. ¹⁰ Workers are counted more than once if they were involved in more than one stoppage. ¹¹ Per 1,000 persons with paid hours in nonagricultural industries.

Source of tables 1536 and 1537: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, periodic.

No. 1539. SELECTED INDEXES OF MANUFACTURING ACTIVITY—SELECTED COUNTRIES: 1970 TO 1981

[1977=100. Minus sign (–) denotes decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

YEAR	United States	Canada	Belgium	Denmark	France	Germany ¹	Italy	Japan	Netherlands	Sweden	United Kingdom
Output per hour											
1970	79.1	77.0	58.6	61.9	70.2	88.5	72.7	61.4	63.0	82.0	80.5
1975	93.4	91.2	85.0	89.5	88.0	89.3	91.1	85.3	85.2	100.5	94.6
1979	101.5	103.3	112.8	108.9	111.0	108.9	110.5	117.4	111.3	112.7	108.7
1980	101.7	101.3	117.8	108.7	111.7	110.1	116.9	125.4	112.5	113.4	107.2
1981 ²	104.5	101.9	(NA)	115.1	114.3	113.0	119.2	129.1	(NA)	112.8	113.4
Average annual percent change:											
1970-1975	3.4	3.4	7.7	7.7	4.6	5.5	4.6	6.6	6.2	4.2	3.3
1975-1980	1.7	2.1	6.7	4.0	4.9	4.3	5.1	8.0	5.7	2.4	2.8
1980-1981 ³	2.8	.6	(NA)	5.9	2.3	2.6	2.0	3.0	(NA)	– 5	5.8
Compensation per hour, national currency basis:											
1970	57.6	46.9	34.2	36.9	38.1	45.8	26.1	33.9	38.5	38.5	32.1
1975	85.4	78.9	78.9	80.1	77.1	84.8	70.2	85.4	82.0	77.3	75.9
1979	118.9	117.5	116.3	122.3	128.3	117.0	134.7	112.8	117.3	120.0	138.8
1980	132.8	129.5	127.4	136.4	148.7	127.8	159.6	120.2	122.6	133.3	171.7
1981 ²	148.4	143.9	(NA)	148.9	174.5	137.4	192.6	129.2	(NA)	145.0	187.4
Average annual percent change:											
1970-1975	6.2	11.0	18.2	17.4	15.1	13.2	21.9	20.3	16.3	15.0	18.6
1975-1980	9.2	10.4	10.1	11.1	14.2	8.5	17.9	7.1	8.4	11.5	17.7
1980-1981 ³	10.2	11.1	(NA)	10.0	16.8	7.7	20.7	7.5	(NA)	8.6	15.0
Real hourly compensation:											
1970	89.8	77.6	59.7	67.8	69.8	85.0	62.3	66.8	67.6	71.7	61.3
1975	96.2	91.8	82.3	97.0	82.4	91.8	67.7	101.1	95.1	95.9	103.3
1979	99.2	98.6	106.5	101.4	106.2	108.9	103.5	104.4	106.1	104.3	112.8
1980	97.7	98.9	109.5	99.9	109.2	113.8	101.3	103.2	106.3	101.9	118.2
1981 ²	97.5	97.8	(NA)	98.4	112.2	115.8	102.9	105.7	(NA)	98.9	121.5
Average annual percent change:											
1970-1975	1.4	3.4	9.1	7.4	5.8	6.8	9.4	6.0	7.1	6.0	4.9
1975-1980	.3	1.6	3.6	.6	3.4	4.4	7	.4	2.3	1.2	2.7
1980-1981 ³	– 2	– 1.1	(NA)	– 1.5	2.7	1.8	1.8	2.4	(NA)	2.9	2.8
Unit labor costs, national currency											
1970	72.7	80.9	58.3	58.0	54.3	66.6	36.0	55.2	61.0	47.0	40.1
1975	91.6	86.4	82.8	89.5	87.6	95.0	77.1	100.1	96.2	76.9	80.1
1979	117.1	113.8	103.1	114.4	115.8	107.5	121.9	96.1	105.4	108.5	138.2
1980	130.8	127.6	108.4	124.6	134.1	115.8	136.6	95.9	109.2	117.6	182.2
1981 ²	140.0	141.2	(NA)	129.4	152.6	121.7	181.5	100.1	(NA)	126.6	174.2
Average annual percent change:											
1970-1975	4.7	7.3	9.8	9.1	10.0	7.4	16.5	12.6	9.5	10.4	14.1
1975-1980	7.4	8.1	3.1	8.8	8.9	4.0	12.1	– 9	2.6	6.9	14.8
1980-1981 ³	7.2	10.5	(NA)	3.9	13.8	5.1	16.2	4.4	(NA)	9.4	8.7
Unit labor costs, U.S. dollar basis:											
1970	72.7	80.2	42.5	49.1	47.0	42.4	50.6	41.3	41.4	39.9	55.3
1975	91.6	90.3	80.7	93.7	100.6	89.8	104.3	90.4	93.5	82.9	102.1
1979	117.1	103.2	125.9	130.6	133.8	136.1	129.5	117.9	126.9	110.9	158.4
1980	130.6	116.2	133.0	132.9	156.2	148.1	141.0	113.8	134.9	124.9	213.5
1981 ²	140.0	126.1	(NA)	109.4	139.7	125.3	126.1	121.8	(NA)	114.1	202.0
Average annual percent change:											
1970-1975	4.7	8.5	16.4	13.8	15.4	16.2	15.8	17.0	17.7	15.6	19.1
1975-1980	7.4	6.2	8.0	7.2	9.2	10.5	6.2	4.7	7.6	8.4	15.9
1980-1981 ³	7.2	7.7	(NA)	– 17.7	11.2	– 15.4	– 10.8	7.0	(NA)	8.2	– 5.4
Employment:											
1970	98.2	95.0	113.5	111.8	97.6	116.0	94.8	99.5	118.6	103.8	110.3
1975	93.0	101.6	108.5	100.1	101.5	103.3	99.7	98.8	107.0	103.6	102.8
1979	107.0	107.0	93.3	100.6	96.5	99.8	99.4	98.8	96.1	97.5	95.1
1980	109.3	105.7	91.5	98.1	95.2	100.4	99.7	101.3	95.2	97.3	88.5
1981 ²	102.8	107.7	(NA)	93.4	91.7	97.9	97.9	101.9	(NA)	94.6	88.4
Average annual percent change:											
1970-1975	1.1	1.4	.9	– 2.2	.8	2.3	1.0	1	– 2.0	–	1.4
1975-1980	2.1	.8	– 3.4	– 4	– 1.3	– .6	–	.3	– 2.3	– 1.3	– 2.7
1980-1981 ³	.5	1.9	(NA)	– 4.8	3.7	– 2.5	– 1.9	.6	(NA)	2.6	10.2
Hours:											
1970	97.3	97.7	130.5	126.2	105.3	126.0	107.4	108.4	131.1	114.6	117.9
1975	91.4	101.4	107.6	100.5	102.5	101.6	95.4	95.4	107.6	105.0	101.7
1979	108.5	108.5	93.6	98.5	95.5	98.0	98.2	100.5	93.9	93.4	94.4
1980	101.8	105.1	89.6	97.9	93.8	97.1	98.7	103.0	93.8	92.3	85.3
1981 ²	101.3	108.4	(NA)	92.4	89.8	93.2	95.8	103.2	(NA)	89.5	75.5
Average annual percent change:											
1970-1975	1.2	.6	3.8	– 4.3	– .5	– 4.2	– 2.3	2.0	– 3.9	– 1.6	– 2.9
1975-1980	2.2	.7	3.6	– .5	1.8	.9	.7	1.3	2.7	– 2.7	– 3.5
1980-1981 ³	– .5	1.2	(NA)	– 5.6	– 4.3	– 4.0	2.9	.2	(NA)	3.0	– 11.5

– Represents zero. NA Not available. ¹Federal Republic of Germany includes West Berlin. ²Preliminary³Compensation includes, but real hourly compensation excludes, adjustments for payroll and employment taxes that are not compensation to employees, but are labor costs to employers. ⁴Index of hourly compensation divided by the index of consumer prices to adjust for changes in purchasing power. ⁵Indexes in national currency adjusted for changes in prevailing exchange rates.Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, periodic.

No. 1539. CRUDE STEEL PRODUCTION AND CONSUMPTION: 1975 TO 1980

Iron data cover both ingots and steel for castings and exclude wrought (puddled) iron. Consumption data represent recent consumption (i.e. production plus imports minus exports) and do not take into account changes in stocks.

COUNTRY	PRODUCTION (mil. metric tons)				CONSUMPTION							
	1975	1976	1977	1980	Total (mil. metric tons)				Per capita (kilograms)			
					1975	1976	1977	1980	1975	1976	1977	1980
Algeria	642.2	712.3	746.9	708.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Argentina	106.8	124.3	123.7	101.4	116.8	146.4	140.9	115.6	549	672	640	506
Armenia	2.0	2.6	3.1	2.6	4.3	3.5	4.1	3.6	166	131	154	140
Australia	7.9	7.5	7.5	7.9	8.3	5.1	5.6	6.1	467	356	402	416
Austria	4.0	4.3	4.9	4.6	2.2	2.7	2.7	2.7	286	362	359	354
Azerbaijan	1	1	1	1	.1	.1	.2	.3	1	2	3	3
Bangladesh	11.6	12.6	13.5	12.3	13.2	14.1	13.6	13.2	1314	1402	1376	1324
Belgium	7.8	9.0	10.0	10.2	11.2	12.9	14.5	16.2	106	112	122	132
Bulgaria	2.3	2.5	2.5	2.6	2.2	2.4	2.7	2.8	252	277	305	312
Burkina Faso	13.0	14.9	16.1	15.6	13.2	13.5	15.0	12.9	577	575	635	541
Burundi	23.9	31.6	34.5	37.1	31.7	42.7	44.5	43.3	36	48	47	45
Cameroon	14.3	15.3	14.6	15.2	10.8	11.5	11.0	11.2	733	756	720	729
Canada	21.5	22.6	23.4	23.2	18.5	19.5	21.1	20.0	350	367	365	373
Chad	6.5	7.0	7.0	7.3	9.5	10.1	9.9	9.8	566	605	591	583
China, P.R.	40.4	41.3	46.0	43.8	30.3	32.3	36.9	33.8	488	526	602	549
Cote d'Ivoire	1.0	.9	1.0	1.1	1.3	1.6	1.6	2.0	143	167	167	(NA)
Czechoslovakia	7.9	10.0	10.0	9.3	8.5	10.1	11.1	(NA)	14	16	19	(NA)
Denmark	(NA)	(NA)	(NA)	(NA)	1.4	1.4	1.3	1.9	11	9	9	13
Dominican Rep.	21.6	24.3	24.3	26.5	17.6	18.6	22.7	26.1	316	332	400	456
Egypt	102.3	102.1	111.7	111.3	64.7	61.5	73.2	73.4	580	535	637	629
Ecuador	2.9	3.2	3.4	3.5	3.4	3.2	3.4	3.9	213	189	311	326
El Salvador	2.0	3.1	5.2	5.8	3.1	8.4	10.7	10.9	88	226	264	296
Equatorial Guinea	5.2	6.7	7.0	7.0	6.2	9.3	9.0	10.6	103	139	130	147
Ethiopia	4.6	5.6	5.6	5.0	4.5	4.9	4.3	4.6	332	355	306	326
Finland	(NA)	(NA)	(NA)	(NA)	1.4	1.4	.9	1.9	22	19	13	25
France	(NA)	(NA)	(NA)	(NA)	.5	.6	.6	.6	7	8	10	8
Ghana	(NA)	(NA)	(NA)	(NA)	1.0	1.6	1.6	1.3	22	34	34	27
Guinea	14.6	18.6	19.5	18.6	17.6	19.7	19.3	18.6	524	561	545	527
Haiti	9.5	11.6	12.9	13.2	9.6	11.5	12.4	12.1	484	526	563	544
Honduras	6.6	7.9	6.6	9.0	7.5	5.1	5.9	6.7	263	169	169	211
Hungary	150.4	151.5	149.1	147.9	141.0	145.6	(NA)	(NA)	554	567	(NA)	(NA)
India	11.1	11.5	12.3	12.6	10.9	6.9	7.9	8.7	306	186	214	233
Indonesia	5.6	4.3	4.6	4.2	6.3	3.9	4.4	4.1	773	466	526	497
Iran	11.5	11.6	11.8	11.7	3.1	3.5	3.1	(NA)	80	81	69	(NA)
Iraq	20.1	20.3	21.5	11.3	21.5	20.0	20.5	13.6	365	359	366	247
Israel	.9	.9	1.5	2.1	2.4	2.9	3.0	3.4	196	222	220	242
Italy	(NA)	(NA)	(NA)	(NA)	.2	.5	.2	1.4	5	10	4	26
Jamaica	2.9	3.5	3.5	2.3	5.3	5.4	5.5	5.7	246	246	250	254

available. ¹Excludes steel for castings made in foundries operated by companies not producing ingots. ²Year 30. ³Luxembourg included with Belgium. ⁴Data from U.S. Bureau of Mines. ⁵Includes cast-steel billets.

No. 1540. IRON ORE PRODUCTION: 1975 TO 1980

A metric tons. Data refer generally to iron content of iron ores and concentrates and all other iron-bearing ores and concentrates intended for treatment for iron recovery.]

COUNTRY	1975	1976	1977	1980	COUNTRY	1975	1976	1977	1980
Algeria	520.6	466.5	534.3	502.7	Japan	4	4	4	3
Argentina	49.0	51.6	54.5	44.6	Korea, Dem. Peo. Rep.	2.7	3.0	3.1	3.2
Armenia	60.9	54.7	53.2	61.9	Korea, Rep. of	3	3	3	3
Australia	1.2	.9	1.0	1.0	Liberia	13.5	10.6	12.0	12.0
Austria	73.6	70.6	79.9	60.5	Mauritania	5.6	4.3	5.6	5.3
Azerbaijan	.8	.8	.7	.6	Mexico	3.4	3.6	4.0	5.1
Bangladesh	27.6	26.4	36.7	31.3	Philippines	.8	1.1	3.9	-
Belgium	30.0	35.0	37.6	37.5	Romania	.6	.6	.6	.6
Bulgaria	5	.6	5	5	South Africa	7.6	16.2	19.6	16.5
Cameroon	4	7	.6	.6	Soviet Union	127.9	134.4	131.6	132.9
Canada	15.3	10.3	9.8	9.1	Spain	4.3	3.9	4.0	4.4
Chad	1.1	.5	.5	.6	Sweden	20.6	13.7	17.0	17.4
China, P.R.	.8	.7	.6	1.0	Turkey	1.3	2.2	1.1	1.4
Cote d'Ivoire	26.1	24.8	25.7	25.7	United Kingdom	1.2	1.1	1.1	.2
Dominican Rep.	3	1	1	1	Venezuela	15.4	6.4	9.6	10.1
Egypt					Yugoslavia	1.9	1.6	1.6	1.4

into zero. ¹Includes metal content of by-product ore. ²Represents shipments. ³Data from U.S. Bureau of Mines.

tables 1539 and 1540: Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook and Yearbook of Africa*, vol. 8. (Copyright.)

No. 1541. PRIMARY ENERGY PRODUCTION BY SOURCE OF ENERGY AND REGION: 1960 TO 1980

[In millions of metric tons of coal equivalent. See text, p. 854, for general comments concerning the data.]

SOURCE OF ENERGY AND YEAR	World total	Africa	United States and Canada	Other Western Hemisphere	Middle East	Other Asia	Western Europe	Eastern Europe	Soviet Union	Oceania
Total primary energy:										
1960.....	4,243	60	1,492	312	388	471	532	962		26
1965.....	5,363	208	1,811	399	618	433	545	1,313		36
1970.....	7,088	486	2,309	459	1,046	551	532	1,623		63
1975.....	8,110	437	2,225	416	1,484	793	625	2,032		99
1978.....	9,034	565	2,231	475	1,605	1,009	717	492	1,823	117
1979.....	9,470	623	2,353	528	1,643	1,042	777	498	1,895	129
1980.....	9,338	601	2,370	568	1,413	1,043	792	493	1,939	121
Coal and lignite:										
1960.....	1,974	39	389	7	4	406	465	640		25
1965.....	2,076	48	488	8	5	342	449	724		33
1970.....	2,179	54	526	8	7	391	357	791		46
1975.....	2,331	62	535	11	9	465	307	862		68
1978.....	2,476	77	517	14	10	591	266	386	523	70
1979.....	2,614	91	607	15	13	603	292	397	522	73
1980.....	2,654	97	649	15	11	600	302	390	515	73
Crude petroleum: ¹										
1960.....	1,587	20	598	285	380	47	23	236		33
1965.....	2,277	158	690	354	806	62	32	377		53
1970.....	3,423	427	878	398	1,017	121	29	541		12
1975.....	3,978	356	801	334	1,433	238	42	744		28
1978.....	4,526	449	810	371	1,553	321	126	29	832	33
1979.....	4,715	496	816	411	1,583	330	167	27	853	32
1980.....	4,506	463	815	437	1,353	325	179	26	878	30
Natural gas:										
1960.....	597	(2)	476	15	3	6	16	79		(NA)
1965.....	893	3	616	30	6	11	26	200		(2)
1970.....	1,312	3	852	42	21	18	99	274		2
1975.....	1,578	14	802	53	41	41	215	405		6
1978.....	1,758	33	802	68	40	63	227	73	442	10
1979.....	1,854	29	830	78	45	89	240	69	463	11
1980.....	1,879	33	806	87	47	75	232	70	516	13
Hydro and nuclear electricity: ²										
1960.....	85	1	31	4	(2)	11	29	7		1
1965.....	118	2	39	6	(2)	17	39	11		2
1970.....	154	3	53	10	1	21	47	17		3
1975.....	223	5	85	16	1	29	62	21		4
1978.....	274	6	102	22	2	34	74	5	26	4
1979.....	288	7	101	24	2	39	78	5	27	4
1980.....	300	7	101	27	2	43	79	6	30	4

NA Not available. Z Less than 500,000. ¹Includes natural gas liquids. ²Includes geothermal.

Source: Statistical Office of the United Nations, New York, N.Y., 1980 Yearbook of World Energy Statistics. (Copyright)

No. 1542. ENERGY, PETROLEUM, AND COAL, BY COUNTRY: 1970 AND 1980

[Metric ton = 1.1023 short tons. See text, p. 854, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	ENERGY CONSUMED ¹ (coal equiv.)				ELECTRIC ENERGY PRODUCTION ² (bil. kWh)		CRUDE PETROLEUM PRODUCTION ³ (mil. metric tons)		COAL PRODUCTION ⁴ (mil. metric tons)	
	Total (mil. metric tons)		Per capita (kilograms)							
	1970	1980	1970	1980	1970	1980	1970	1980	1970	1980
World, total.....	6,430.0	8,547.8	1,758	1,955	4,923	8,239	2,277	2,998	2,143	2,739
United States.....	2,227.1	2,369.7	10,870	10,410	¹ 1,640	¹ 2,356	475.3	424.0	550.4	714.5
Algeria.....	3.0	11.1	212	597	2.0	8.2	49.0	54.9	(2)	(2)
Argentina.....	37.9	49.2	1,595	1,818	21.7	40.6	20.0	25.3	.6	.4
Australia.....	64.1	88.2	5,123	6,032	¹ 53.9	95.9	¹ 8.5	18.9	45.2	75.8
Austria.....	24.6	31.2	3,319	4,160	30.0	42.0	2.8	1.5	-	-
Bahrain.....	.6	5.5	2,668	15,275	¹ 2	1.3	3.8	2.4	(NA)	(NA)
Bangladesh.....	(NA)	4.1	(NA)	46	(NA)	2.6	(NA)	¹ (2)	-	(2)
Belgium.....	54.2	59.5	5,808	6,037	30.5	53.6	(X)	(X)	11.4	6.3
Brazil.....	41.5	93.6	449	761	¹ 45.5	¹ 137.4	8.0	8.8	2.4	5.2
Bulgaria.....	32.1	50.3	3,775	5,678	19.5	34.8	.3	¹ .3	.4	.3
Burma.....	1.6	2.2	59	63	.6	1.4	.8	¹ 1.7	(2)	(2)
Canada.....	187.2	245.2	8,779	10,241	¹ 204.7	¹ 366.7	60.4	70.4	11.6	20.2
Chile.....	10.4	11.3	1,113	1,014	7.8	11.5	1.5	1.5	1.4	1.9
China: Mainland.....	347.7	581.3	429	619	¹ 107.0	¹ 300.8	23.9	106.0	¹¹ 360.0	694.8
Taiwan ¹²	15.3	¹³ 37.6	1,055	¹³ 2,111	14.0	42.0	(NA)	(NA)	4.5	2.6
Colombia.....	12.1	20.5	589	743	8.8	20.6	11.3	¹ 6.5	2.9	5.9
Cuba.....	8.5	13.1	1,000	1,328	4.9	9.6	.2	¹ .3	(2)	(2)
Czechoslovakia.....	77.4	99.3	5,402	6,482	45.2	74.1	.2	.1	¹⁴ 28.2	¹⁴ 28.2

See footnotes at end of table.

No. 1542. ENERGY, PETROLEUM, AND COAL, BY COUNTRY: 1970 AND 1980—Continued

(Metric ton = 1 023 short tons. See text, p. 854, for general comments about the data. For additional data qualifications for countries, see source.)

COUNTRY	ENERGY CONSUMED ¹ (coal equiv.)				ELECTRIC ENERGY PRODUCTION ² (bil. kWh)		CRUDE PETROLEUM PRODUCTION ³ (mil. metric tons)		COAL PRODUCTION ⁴ (mil. metric tons)	
	Total (mil. metric tons)		Per capita (kilograms)		1970	1980	1970	1980	1970	1980
	1970	1980	1970	1980						
Denmark	26.8	26.8	5,420	5,225	20.0	25.4	-	3	(X)	(X)
Ecuador	1.7	5.0	262	598	9	3.2	2	10.4	(NA)	(NA)
Egypt	8.7	19.9	260	473	7.6	16.5	16.4	29.4	-	(X)
Ethiopia	7	9	27	29	¹¹ 5	7	(X)	(X)	(NA)	(NA)
Finland	18.7	24.5	4,070	5,135	¹² 21.2	¹³ 38.6	(X)	(X)	(X)	(X)
France ¹⁴	193.6	233.7	3,814	4,351	147.0	257.8	2.3	1.4	¹⁵ 37.6	¹⁶ 19.1
German Dem. Rep.	104.5	124.0	8,128	7,408	67.7	88.8	1	¹⁷ 1	1.0	-
Germany Fed. Rep.	311.1	352.5	5,124	5,727	242.6	366.8	7.5	4.6	¹⁸ 116.3	94.5
Greece	9.8	20.5	1,108	2,137	9.8	22.4	-	(X)	(X)	(X)
Hong Kong	3.8	7.3	952	1,433	¹⁹ 5.1	²⁰ 12.6	(NA)	(NA)	(X)	(X)
Hungary	29.0	41.2	2,809	3,850	14.5	23.9	1.9	2.0	²¹ 4.2	²² 3.1
India	78.4	128.4	142	191	²³ 61.2	116.3	6.8	9.4	73.7	109.1
Indonesia	13.8	33.9	116	220	2.3	7.1	42.6	77.6	2	3
Iran	27.2	48.7	947	1,246	7.0	17.2	191.3	77.9	²⁴ 19.5	9
Iraq	5.7	7.9	803	808	2.8	8.0	²⁵ 76.5	133.0	(NA)	3
Ireland	7.7	11.2	2,628	3,252	²⁶ 8.1	10.9	(X)	(X)	2	1
Israel	5.9	9.2	1,988	2,368	6.9	12.5	²⁷ 5.0	(X)	(X)	(X)
Italy	²⁸ 142.0	189.3	²⁹ 2,647	3,316	³⁰ 117.4	186.3	1.4	1.8	3	-
Japan	317.4	431.0	3,098	3,890	³¹ 359.5	612.0	5	4	³² 39.7	16.0
Korea, Dem. Peo. Rep.	28.5	48.5	2,050	2,710	³³ 16.5	³⁴ 35.0	(X)	(X)	³⁵ 21.8	36.0
Korea, Republic of	20.9	54.3	648	1,422	9.6	40.0	(X)	(X)	12.4	18.6
Kuwait	³⁶ 4.4	³⁷ 9.1	³⁸ 5,855	³⁹ 6,720	⁴⁰ 2.7	⁴¹ 9.3	⁴² 150.6	⁴³ 80.5	(NA)	(NA)
Libya	1.3	8.5	672	2,180	⁴⁴ 4	⁴⁵ 3.1	159.8	88.6	(NA)	(NA)
Malaysia	6.1	11.9	582	838	3.5	9.0	9	13.2	(X)	(X)
Mexico	53.5	127.9	1,055	1,770	⁴⁶ 28.7	⁴⁷ 64.2	21.5	89.9	3.0	7.4
Morocco	2.9	8.9	184	340	1.9	4.8	(Z)	⁴⁸ (Z)	4	7
Netherlands	59.9	87.4	4,585	6,183	40.9	64.8	1.9	1.3	4.3	-
Nigeria	2.7	11.1	49	144	1.6	5.0	54.2	104.2	1	2
Norway	17.9	26.3	4,518	6,434	57.6	84.0	-	24.4	5	3
Pakistan	⁴⁹ 10.7	18.0	⁵⁰ 82	218	⁵¹ 6.7	16.1	5	5	⁵² 11.3	1.8
Peru	8.0	11.0	596	819	5.5	9.8	3.6	9.6	2	(Z)
Philippines	9.7	15.9	263	328	8.7	16.0	-	5	(Z)	3
Poland	137.5	198.9	4,226	5,580	64.5	121.9	4	3	140.1	193.1
Portugal	8.4	10.9	712	1,097	7.5	15.0	(X)	(X)	3	2
Romania	81.4	102.3	3,032	4,593	35.1	67.5	13.4	11.5	6.4	8.1
Saudi Arabia	⁵³ 3.6	⁵⁴ 14.0	⁵⁵ 608	⁵⁶ 1,877	⁵⁷ 1.1	⁵⁸ 9.0	⁵⁹ 188.4	⁶⁰ 488.7	(NA)	(NA)
South Africa ⁶¹	56.7	65.7	2,241	2,585	50.8	95.8	(X)	(X)	54.6	115.0
Soviet Union	991.4	1,485.7	4,084	5,595	740.9	1,295.0	⁶² 353.0	603.0	432.7	493.0
Spain	49.5	94.7	1,487	2,530	58.5	110.2	2	1.6	⁶³ 10.8	⁶⁴ 13.1
Sudan	(NA)	1.7	(NA)	89	4	1.0	(X)	(X)	(NA)	(NA)
Sweden	46.4	43.8	5,769	5,269	60.6	96.3	(NA)	(Z)	(Z)	(Z)
Switzerland	⁶⁵ 20.2	⁶⁶ 23.7	⁶⁷ 3,222	⁶⁸ 3,708	⁶⁹ 33.2	⁷⁰ 48.2	(X)	(X)	(X)	(X)
Syria	2.4	9.4	386	1,047	9	3.4	4.2	⁷¹ 8.6	(NA)	(NA)
Tanzania	8	1.0	57	55	5	7	(X)	(X)	(Z)	(Z)
Thailand	6.7	17.2	183	371	4.5	15.0	⁷² (Z)	⁷³ (Z)	(X)	(X)
Trinidad and Tobago	5.0	5.8	4,907	5,117	1.2	1.8	7.2	11.0	(NA)	(NA)
Tunisia	1.5	4.0	288	636	8	2.8	4.2	5.8	(X)	(X)
Turkey	16.5	33.1	472	737	6.6	23.3	3.5	2.3	4.8	3.8
United Arab Emirates	6	4.4	2,537	5,449	⁷⁴ 1	⁷⁵ 4.5	37.7	83.6	(NA)	(NA)
United Kingdom	278.7	270.2	5,029	4,835	249.0	285.1	1	78.8	⁷⁶ 147.1	⁷⁷ 130.0
Venezuela	24.3	47.0	2,382	3,375	12.7	31.0	194.3	114.4	(Z)	(Z)
Vietnam	12.6	7.8	300	146	2.1	3.9	(NA)	(NA)	3.0	6.3
Yugoslavia	28.7	45.8	1,409	2,049	26.0	58.9	2.9	4.2	6	4
Zaire	1.5	1.9	68	87	3.2	4.4	-	1.0	1	1
Zambia	2.0	2.9	464	475	⁷⁸ 9	⁷⁹ 9.9	(X)	(X)	6	6

- Represents zero. NA Not available. X Not applicable. Z Less than 50,000 metric tons. ¹ Based on apparent consumption of coal, lignite, petroleum products, natural gas, and hydro and nuclear electricity. ² Comprises production by utilities generating primarily for public use, and production by industrial establishments generating primarily for own use. Related to production at generating centers, including station use and transmission losses. ³ Includes shale oil, but excludes natural gasoline. ⁴ Excludes lignite and brown coal, except as noted. ⁵ Net production, i.e. excluding station use. ⁶ Year ending June 30. ⁷ Includes gas condensates. ⁸ Excludes production by industrial establishments for own use. ⁹ United Nations Statistical Office estimate. ¹⁰ Data from U.S. Bureau of Mines. ¹¹ Includes lignite and brown coal. ¹² Source: U.S. Bureau of the Census. Data from Republic of China publications. ¹³ Estimated on the basis of the conversion coefficients in the U.N. Statistical Yearbook. ¹⁴ Includes shales. ¹⁵ Year ending Sept. 10. ¹⁶ Includes Monaco. ¹⁷ Includes low grade coal at its hard-coal equivalent. ¹⁸ Year beginning April. ¹⁹ Year beginning March 21. ²⁰ Data from OPEC. ²¹ Includes estimated production in the occupied Sinai Peninsula (1970: 4.9 million metric tons). ²² Includes San Marino. ²³ Includes brown coal. ²⁴ Includes share of production and consumption in the Neutral Zone. ²⁵ Includes Bangladesh. ²⁶ Includes Botswana, Lesotho, Namibia, and Swaziland. ²⁷ Includes Liechtenstein. ²⁸ Abu Dhabi only.

Source: Except as noted, Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook* (copyright); and *1980 Yearbook of World Energy Statistics* (copyright).

No. 1543. WHEAT AND RICE—PRODUCTION, BY COUNTRY: 1977 TO 1981

[In thousands of metric tons. Rice data cover rough and paddy. Data for each country pertain to the calendar year in which all or most of the crop was harvested. See text, p. 854, for general comments concerning quality of the data.]

COUNTRY	WHEAT					RICE				
	1977	1978	1979	1980	1981	1977	1978	1979	1980	1981
World, total	386,887	446,372	438,777	444,803	468,185	386,728	385,885	377,384	387,887	412,781
United States	55,420	48,322	58,081	64,619	78,028	4,501	5,040	5,985	6,629	8,408
Afghanistan	2,652	2,813	2,863	2,700	3,000	400	428	438	491	475
Argentina	5,390	8,100	8,100	7,780	8,100	320	310	312	286	286
Australia	9,370	18,086	18,188	10,870	18,400	530	490	682	613	781
Austria	1,072	1,195	850	1,201	1,025	(¹)	(NA)	(NA)	(NA)	(NA)
Bangladesh	250	348	494	823	1,083	19,441	19,582	19,589	20,822	20,000
Belgium	1,795	1,022	1,015	1,808	1,943	(¹)	(NA)	(NA)	(NA)	(NA)
Brazil	2,086	2,691	2,927	2,708	2,207	8,994	7,286	7,586	9,746	8,281
Bulgaria	3,028	3,486	3,355	3,847	4,429	88	61	73	67	71
Burma	75	92	41	74	180	9,482	10,500	10,448	13,107	14,826
Canada	19,862	21,146	17,185	19,157	24,519	(¹)	(NA)	(NA)	(NA)	(NA)
Chile	1,219	883	905	986	888	120	105	181	95	100
China, Mainland ²	45,001	52,002	62,733	64,158	57,003	129,470	138,202	146,959	142,338	146,057
Colombia	29	38	42	46	52	1,307	1,715	1,832	1,798	1,788
Cuba	(¹)	(NA)	(NA)	(NA)	(NA)	458	458	425	478	1,518
Czechoslovakia	5,214	5,801	3,738	5,386	14,400	(¹)	(NA)	(NA)	(NA)	(NA)
Denmark	808	642	590	652	792	(¹)	(NA)	(NA)	(NA)	(NA)
Ecuador	40	29	31	31	41	328	233	318	381	482
Egypt	1,889	1,943	1,856	1,798	1,850	2,275	2,358	2,517	2,350	2,388
Ethiopia	805	429	449	488	491	(¹)	(NA)	(NA)	(NA)	(NA)
Finland	295	241	208	357	235	(¹)	(NA)	(NA)	(NA)	(NA)
France	17,350	20,970	19,522	23,683	22,782	23	35	24	24	21
German Dem. Rep.	2,814	3,147	3,116	3,098	13,000	(¹)	(NA)	(NA)	(NA)	(NA)
Germany, Fed. Rep.	7,235	8,118	8,061	8,156	8,314	(¹)	(NA)	(NA)	(NA)	(NA)
Greece	1,788	2,680	2,407	2,851	2,750	94	93	87	80	78
Hungary	5,319	5,877	3,708	6,077	14,800	35	23	41	24	15
India	29,010	31,749	35,508	31,830	38,480	79,008	80,880	83,478	79,930	102,088
Indonesia	(¹)	(NA)	(NA)	(NA)	(NA)	23,356	25,781	26,283	29,774	33,029
Iran	5,517	5,700	5,500	5,700	5,800	1,400	1,280	1,420	1,212	1,400
Iraq	888	910	1,492	1,300	1,100	198	172	284	1,250	1,288
Ireland	250	247	245	235	240	(¹)	(NA)	(NA)	(NA)	(NA)
Israel	220	189	133	253	215	(¹)	(NA)	(NA)	(NA)	(NA)
Italy	6,347	9,332	8,980	9,150	8,921	893	979	1,107	950	871
Japan	238	367	541	583	612	17,000	16,349	14,948	12,188	12,884
Kampuchea	(¹)	(NA)	(NA)	(NA)	(NA)	11,800	11,500	850	1,000	1,180
Korea, Dem. Peo. Rep. ³	310	350	370	380	400	4,610	4,500	4,800	4,800	4,988
Korea, Republic of	45	38	42	92	57	8,291	8,352	7,881	5,311	7,032
Laos	(¹)	(NA)	(NA)	(NA)	(NA)	847	798	887	1,053	1,125
Madagascar	(¹)	(¹)	(¹)	(¹)	(¹)	2,154	1,914	2,045	2,108	1,988
Malaysia	(¹)	(NA)	(NA)	(NA)	(NA)	1,922	1,488	2,095	2,171	2,147
Mexico	2,458	2,785	2,338	2,785	3,189	587	402	500	456	644
Nepal	362	411	415	440	477	2,282	2,338	2,080	2,484	2,407
Netherlands	881	792	838	882	882	(¹)	(NA)	(NA)	(NA)	(NA)
New Zealand	354	329	295	308	373	(¹)	(NA)	(NA)	(NA)	(NA)
Pakistan	9,144	8,367	9,950	10,805	11,340	4,424	4,908	4,624	4,878	5,887
Panama	(¹)	(NA)	(NA)	(NA)	(NA)	186	182	170	156	182
Paraguay	120	113	102	77	117	587	468	580	420	884
Philippines	(¹)	(NA)	(NA)	(NA)	(NA)	6,895	7,198	7,904	7,840	7,720
Poland	5,308	6,029	4,187	4,175	4,229	(¹)	(NA)	(NA)	(NA)	(NA)
Portugal	229	255	252	430	310	112	135	145	155	112
Romania	6,483	6,243	4,876	6,427	15,800	47	58	80	38	85
South Africa	1,880	1,880	2,086	1,470	2,080	13	13	13	13	13
Soviet Union	92,185	120,824	90,207	98,185	108,000	2,217	2,096	2,394	2,791	1,240
Spain	4,064	4,806	4,101	4,000	3,358	379	401	421	433	461
Sri Lanka	(¹)	(NA)	(NA)	(NA)	(NA)	1,677	1,817	2,133	2,385	2,385
Sweden	1,522	1,290	1,030	1,183	1,034	(¹)	(NA)	(NA)	(NA)	(NA)
Switzerland	323	408	423	394	391	(¹)	(NA)	(NA)	(NA)	(NA)
Syria	1,217	1,851	1,319	2,228	2,086	(¹)	(NA)	(NA)	(NA)	(NA)
Thailand	(¹)	(NA)	(NA)	(NA)	(NA)	13,921	17,530	15,758	17,388	18,000
Turkey	18,720	16,784	17,588	16,554	17,040	270	306	383	234	298
United Kingdom	5,274	6,613	7,168	8,470	8,485	(¹)	(NA)	(NA)	(NA)	(NA)
Uruguay	173	174	174	307	400	228	226	248	290	328
Venezuela	1	1	1	1	1	498	502	653	712	788
Vietnam	(¹)	(NA)	(NA)	(NA)	(NA)	10,865	10,040	10,758	11,878	12,570
Yugoslavia	5,595	5,355	4,512	5,081	4,270	38	34	34	42	140

NA Not available. ¹None or negligible. ²Includes Luxembourg. ³FAO estimate.

Source: Food and Agriculture Organization of the United Nations, Rome, Italy, 1981 *FAO Production Yearbook*, vol. 35, (copyright).

NO. 1544. CORN, MEAT, AND SUGAR—PRODUCTION, BY COUNTRY: 1978 TO 1981

[In thousands of metric tons. Data for each country pertain to the calendar year in which all or most of the crop was harvested.
See text, p. 854, for general comments concerning the data]

COUNTRY	CORN			MEAT ¹			SUGAR ²		
	1978	1980	1981	1978	1979	1980 ²	1979	1980	1981
World, total.....	418,357	394,058	451,704	108,092	108,024	109,483	88,984	84,212	92,048
United States.....	201,655	168,787	208,314	17,498	17,065	17,683	5,081	5,331	5,771
Argentina.....	8,700	6,400	13,500	3,544	3,498	3,286	1,411	1,716	1,624
Australia.....	189	151	118	¹ 2,897	¹ 2,708	¹ 2,313	2,983	3,329	3,450
Austria.....	1,347	1,293	1,374	504	535	529	408	456	490
Belgium ³	37	39	25	912	951	994	993	870	1,100
Brazil.....	16,306	20,374	21,098	3,218	3,058	3,302	7,027	8,547	8,500
Bulgaria.....	3,223	2,256	2,477	455	487	450	240	⁴ 180	⁴ 150
Canada.....	4,983	5,434	6,214	1,684	1,700	1,845	106	69	125
Chile.....	489	405	518	224	236	256	104	63	250
China:									
Mainland.....	60,149	61,105	⁴ 61,801	17,518	16,804	19,563	3,587	3,615	⁴ 4,031
Colombia.....	870	813	880	695	731	744	1,105	1,247	1,185
Cuba.....	⁴ 95	⁴ 95	⁴ 95	208	207	210	8,048	6,787	7,359
Czechoslovakia.....	949	745	800	1,174	1,183	1,201	910	830	870
Denmark.....	(NA)	(NA)	(NA)	1,050	1,153	1,199	488	470	522
Dominican Republic.....	38	49	50	61	62	55	1,200	1,039	1,032
Egypt.....	2,838	3,231	2,700	282	284	291	688	662	679
El Salvador.....	523	527	487	47	46	44	277	179	174
Ethiopia.....	1,067	1,144	⁴ 1,100	343	344	346	171	167	165
France.....	10,413	9,358	9,100	3,584	3,840	3,856	4,332	4,253	5,600
German Dem. Rep.....	6	4	⁴ 2	1,523	1,549	1,552	679	600	740
Germany, Fed. Rep. of.....	741	672	832	4,040	4,194	4,274	3,088	2,994	3,600
Ghana.....	380	390	420	31	32	33	6	8	6
Greece.....	711	1,158	1,250	389	353	359	311	198	340
Guatemala.....	941	1,041	1,052	85	96	99	377	385	448
Hungary.....	7,396	6,673	8,500	998	1,029	1,042	510	460	587
India.....	5,603	6,804	⁴ 7,000	653	658	669	6,367	4,191	5,587
Indonesia.....	3,808	4,012	3,991	304	308	314	1,307	1,403	⁴ 1,449
Iran.....	57	⁴ 60	⁴ 50	437	445	450	600	380	400
Ireland.....	(NA)	(NA)	(NA)	567	579	598	192	161	196
Italy.....	6,197	6,403	7,250	2,051	2,207	2,268	1,707	1,932	2,170
Japan.....	5	4	3	1,688	1,832	1,894	762	822	770
Kenya.....	1,800	1,768	2,250	230	232	234	322	438	440
Malaysia.....	8	8	8	¹ 85	¹ 88	¹ 89	75	40	64
Mexico.....	8,124	12,383	14,786	1,100	1,058	1,120	3,078	2,765	2,518
Morocco.....	312	333	90	135	133	136	372	359	352
Netherlands.....	2	2	⁴ 2	1,440	1,528	1,549	915	951	1,139
Nigeria.....	⁴ 1,500	⁴ 1,550	⁴ 1,580	414	446	456	41	46	60
Pakistan.....	875	947	1,004	601	628	657	663	624	928
Peru.....	621	443	628	191	191	183	716	552	493
Philippines.....	3,167	3,117	3,176	499	507	541	2,342	2,343	2,394
Poland.....	181	58	79	2,505	2,549	2,421	1,762	1,186	1,872
Portugal.....	506	534	417	278	278	290	12	10	7
Romania.....	12,425	11,153	⁴ 11,200	1,223	1,346	1,330	571	553	640
South Africa.....	8,240	10,790	14,650	829	884	832	2,079	1,608	2,050
Soviet Union.....	8,373	9,454	⁴ 8,000	13,309	13,218	12,553	4,700	7,150	6,100
Spain.....	2,205	2,206	2,151	1,336	1,485	1,523	750	1,010	1,054
Sweden.....	(NA)	(NA)	(NA)	459	470	475	350	327	374
Switzerland.....	134	91	117	411	428	468	118	105	136
Thailand.....	3,300	3,150	3,700	429	447	454	1,862	1,098	1,641
Turkey.....	1,350	1,240	1,100	577	655	682	1,052	930	1,300
Uganda.....	453	288	342	114	114	116	4	5	5
United Kingdom.....	1	1	⁴ 1	2,133	2,218	2,247	1,255	1,202	1,200
Uruguay.....	71	119	196	377	318	378	73	102	79
Venezuela.....	848	662	486	400	410	438	351	374	291
Vietnam.....	475	418	⁴ 540	505	533	506	102	⁴ 130	⁴ 120
Yugoslavia.....	10,084	9,317	9,800	1,185	1,145	1,119	814	709	850
Zaire.....	509	516	⁴ 520	57	58	60	55	48	50
Zimbabwe.....	1,200	1,539	2,880	184	153	140	300	358	390

NA Not available. ¹Beef and veal (incl. buffalo meat), pork (incl. bacon and ham), and mutton and lamb (incl. goat meat). Refers to meat from animals slaughtered within the national boundaries irrespective of origin of animals, and relates to commercial and farm slaughter. In terms of carcass weight. Excludes lard, tallow, and edible offals, except as noted. ²Estimated. ³Beef and cane. Data generally in terms of raw sugar. ⁴Year ending June 30. ⁵Includes Luxembourg. ⁶FAO estimate. ⁷West Malaysia only.

Source: Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook*, (copyright), and Food and Agriculture Organization of the United Nations, Rome, Italy, 1981 *FAO Production Yearbook*, vol. 35, (copyright).

NO. 1545. FOREIGN TRADE AND TRANSPORTATION—SHIPPING, RAILWAYS, AVIATION, AND MOTOR VEHICLES, BY COUNTRY

[See text, p. 854, for general comments about the data. Statistical coverage of all these items varies considerably among countries; for details, see source.]

COUNTRY	FOREIGN TRADE, ¹ 1981		SHIPPING			RAIL TRAFFIC, ² 1980		Civil aviation, kilometers flown, ³ 1980 (mil.)	Motor vehicles in use, ⁴ 1980 (1,000)
	Imports (mil. dol.)	Exports (mil. dol.)	Merchant shipping fleets, ⁵ 1981 (1,000 gross tons)	Freight, ⁶ 1978 (mil. metric tons)		Passenger-kilometers (mil.)	Freight, net-ton kilometers (mil.)		
				Loaded	Unloaded				
World, total	2,012,680	1,980,029	420,836	(NA)	(NA)	(NA)	(NA)	9,440	403,700
United States	271,269	228,981	10,808	11 12 75.0	10 11 12 549.3	17,695	1,341,717	4,413.4	151,889
Algeria	10,811	13,656	1,288	49.8	13.5	1,506	1,940	27.9	441
Angola	1 369	1 423	(NA)	10.0	4.0	418	5,461	8.4	183
Argentina	10,544	18,018	2,307	23.4	8.4	12,706	9,473	83.8	2,907
Australia	23,787	21,788	1,788	186.3	26.7	(NA)	32,058	339.6	8,527
Austria	21,049	15,848	62	(NA)	(NA)	7,586	11,002	22.0	2,773
Belgium	62,133	55,648	1,917	37.7	58.7	6,963	7,999	54.8	3,477
Brazil	24,007	23,172	5,193	87.5	69.8	12,429	86,131	203.4	8,889
Bulgaria	9,650	10,372	1,184	3.5	15.7	7,055	17,681	12.7	(NA)
Canada	66,797	69,822	3,159	118.5	61.8	2,892	228,120	339.4	13,211
Chile	6,379	3,932	584	12.2	8.5	1,431	1,644	24.7	680
China:									
Mainland	19,530	18,255	7,853	(NA)	(NA)	138,037	570,732	46.5	1,674
Taiwan	19,733	19,811	1,808	19.1	51.2	7,919	2,588	34.1	880
Colombia	5,201	2,918	297	2.7	4.0	312	888	44.6	558
Cuba	4,509	3,987	920	8.6	14.4	1,802	2,165	14.7	153
Czechoslovakia	14,858	14,706	186	(NA)	(NA)	18,043	72,840	24.7	2,815
Denmark	17,530	15,736	5,048	8.2	34.6	3,353	1,278	33.0	1,806
Dominican Republic	1,450	1,199	(NA)	2.7	3.1	(NA)	(NA)	(NA)	139
Ecuador	2,253	2,481	298	9.4	3.8	69	29	(NA)	178
Egypt	8,839	3,233	599	8.9	12.4	10,995	2,472	30.5	682
Finland	14,201	14,015	2,445	15.8	25.7	3,218	8,334	35.5	1,384
France	120,889	101,392	11,455	34.8	183.9	54,496	70,908	276.3	21,088
German Dem. Rep.	16,214	15,083	1,532	3.5	11.9	23,142	63,488	(NA)	2,993
Germany, Fed. Rep. of	163,907	176,085	7,708	35.0	104.5	38,862	64,886	196.2	24,782
Ghana	993	1,096	255	2.3	3.1	431	305	4.3	122
Greece	8,885	4,241	42,006	18.0	27.2	1,464	814	40.1	1,283
Hong Kong	25,001	21,779	2,580	8.9	20.9	434	86	(NA)	289
Hungary	9,128	8,712	83	(NA)	(NA)	12,371	23,864	16.2	1,176
India	13,184	7,560	6,020	31.0	29.3	208,558	147,652	84.8	1,734
Indonesia	10,834	21,909	1,745	101.3	13.3	5,088	961	88.4	1,200
Iran	12,247	14,251	1,202	220.3	14.5	2,981	4,063	15.6	1,137
Iraq	4,213	11,081	1,491	36.0	4.1	797	2,254	12.8	256
Ireland	10,595	7,795	268	(NA)	(NA)	1,008	578	21.9	708
Israel	7,787	5,418	581	5.2	5.7	252	819	30.2	511
Italy	91,011	75,214	10,841	43.7	224.0	39,587	18,384	139.2	19,375
Ivory Coast	2,493	2,515	152	4.0	5.5	1,212	800	2.8	179
Jamaica	1,509	992	(NA)	6.4	2.6	83	186	13.5	(NA)
Japan	143,288	152,018	40,836	81.1	557.8	313,340	39,307	354.8	36,852
Korea, Rep. of	26,125	21,254	5,142	18.0	61.8	21,640	10,549	60.7	519
Kuwait	6,680	19,787	2,317	103.6	1.9	(NA)	(NA)	19.5	381
Lebanon	1,701	436	320	25.8	4.4	12	142	43.4	244
Liberia	535	601	74,806	20.5	1.3	(NA)	(NA)	(NA)	16
Libya	8,836	22,128	889	92.9	8.5	(NA)	(NA)	11.7	394
Malaysia	13,132	12,884	879	9.5	13.5	1,587	1,196	40.9	730
Mexico	19,418	15,301	1,136	22.5	11.7	5,296	41,323	157.5	5,828
Morocco	4,186	2,249	374	20.8	9.9	836	3,934	20.5	573
Netherlands	86,921	86,732	5,487	73.0	248.5	8,910	3,488	108.8	4,831
New Zealand	5,884	5,583	244	10.3	9.7	437	3,228	52.1	1,589
Nigeria	10,991	17,331	476	101.2	5.0	785	972	24.2	181

See footnotes at end of table.

NO. 1545. FOREIGN TRADE AND TRANSPORTATION—SHIPPING, RAILWAYS, AVIATION, AND MOTOR VEHICLES, BY COUNTRY—Continued

[See text, p. 854, for general comments about the data. Statistical coverage of all these items varies considerably among countries; for details, see source]

COUNTRY	FOREIGN TRADE, ¹ 1981		SHIPPING			RAIL TRAFFIC, ⁴ 1980		Civil aviation, kilometers flown, ⁵ 1980 (mil.)	Motor vehicles in use, ⁶ 1980 (1,000)
	Imports (mil. dol.)	Exports (mil. dol.)	Merchant shipping fleets, ⁷ 1981 (1,000 gross tons)	Freight, ³ 1979 (mil. metric tons)		Passenger-kilometers (mil.)	Freight, net-ton kilometers (mil.)		
				Loaded	Unloaded				
Norway	15,661	17,992	21,675	²¹ 35.3	²¹ 21.2	2,394	3,014	58.1	²⁰ 1,397
Pakistan	5,348	2,880	507	²² 2.8	²³ 8.9	²⁴ 17,315	²⁵ 8,516	49.7	²⁶ 391
Panama	1,540	315	27,657	1.3	2.9	(NA)	(NA)	6.6	131
Peru	¹⁴ 2,542	¹⁴ 3,364	826	²¹ 10.3	²¹ 2.7	¹⁶ 651	¹⁶ 612	24.6	¹⁸ 467
Philippines	7,946	5,722	2,540	14.1	20.6	416	37	42.4	²⁶ 834
Poland	²² 15,475	13,249	3,579	¹² ²⁰ 38.8	¹² ²⁰ 27.2	46,324	134,737	35.1	²⁶ 2,441
Portugal	¹⁴ 9,491	¹⁴ 4,620	1,377	4.5	14.6	6,077	1,001	39.2	²⁶ 1,530
Romania	¹⁴ ²² 13,201	¹⁴ 12,230	2,032	¹⁷ ⁴⁴ 4.3	¹⁷ ⁴⁴ 4.9	⁴¹ 23,220	²¹ 75,535	19.7	¹⁷ ²⁴ 45
Saudi Arabia	35,244	120,240	3,122	²⁰ ⁴⁷ 410.0	²⁰ ⁴⁷ 9.3	¹⁸ 72	¹⁸ 66	91.3	²⁶ 320
Singapore	²⁴ 27,571	²⁴ 20,993	6,888	29.0	45.6	(⁴⁹)	(⁴⁹)	68.9	²⁶ 208
South Africa	²² ²⁴ 8,336	²⁴ 9,618	731	²⁰ 47.2	⁴⁴ 1.8	(NA)	²⁶ ²⁴ 96,768	67.3	¹⁵ ²² 2,985
Soviet Union	¹⁴ ²² 68,522	¹⁴ 76,449	23,493	²¹ 150.9	²¹ 43.5	332,069	3,439,859	(NA)	(NA)
Spain	32,159	20,338	8,134	²⁰ 23.8	²⁰ 84.2	²⁶ 16,758	10,278	164.3	8,937
Sri Lanka	1,803	1,036	105	1.3	4.3	¹⁷ 3,835	¹⁷ 189	7.5	²⁰ ²⁶ 161
Sweden	28,856	28,600	4,034	34.2	48.5	6,998	16,648	66.2	²⁰ ²⁶ 3,019
Switzerland	30,696	27,043	315	(NA)	(NA)	10,504	7,754	97.8	²⁰ 2,427
Syria	5,040	2,103	(NA)	¹⁵ 8.8	¹⁵ 7.7	362	578	10.5	²⁶ 147
Thailand	9,911	6,999	403	15.3	17.0	¹⁷ 8,861	¹⁷ 2,805	41.8	²⁰ 568
Trinidad and Tobago	¹⁴ 3,178	¹⁴ 4,077	(NA)	¹⁵ 20.8	¹⁵ 14.9	(NA)	(NA)	16.1	²⁶ 169
Tunisia	3,479	2,189	136	5.5	6.0	⁴¹ 864	²¹ 1,716	13.6	¹⁶ ²⁰ 170
Turkey	8,944	4,721	1,664	¹⁵ 6.7	¹⁵ 20.5	6,012	5,028	14.5	²⁰ 702
United Kingdom	¹⁴ 119,935	¹⁴ 115,149	25,419	90.1	152.8	²⁴ 31,700	²⁴ 17,640	²⁰ 426.3	²⁶ ²⁰ 16,107
Uruguay	1,551	1,216	200	.4	1.5	²⁶ 494	²⁶ 303	4.3	²⁰ 231
Venezuela	²² 10,655	20,950	742	¹⁹ ²¹ 189.9	²¹ 8.6	²⁶ 40	²⁶ 20	61.7	¹⁵ 1,685
Yugoslavia	15,757	10,929	2,541	4.5	18.2	10,392	²¹ 25,018	34.8	²⁶ 2,114
Zaire	672	662	92	²⁰ 5	²⁰ 7	²⁰ 467	²⁰ 2,203	10.0	¹⁸ 161
Zambia	¹⁴ ²² 1,090	¹⁴ 1,402	(NA)	(NA)	(NA)	(NA)	(NA)	10.5	²⁶ ²² ²⁰ 172

NA Not available. ¹Covers merchandise, including silver (except current coin); excludes gold and issued paper currency. Imports generally valued c.i.f. (cost, insurance, and freight); exports, f.o.b. (free on board). Generally includes government trade (including foreign aid, war reparations, and military goods), trade of foreign concessionaires, and postal trade. See source for "general trade" or "special trade" distinctions. Roughly half the countries shown fall into each category, thus affecting comparability. ²As of June 30. Represents gross registered tons (see text, p. 632). Excludes vessels without mechanical means of propulsion; includes sailing vessels with auxiliary power. Estimated. ³Represents weight of all goods (including their packing) in external trade loaded to and unloaded from seagoing vessels of all flags at ports of country specified. For most countries, excludes bunkers, ships' stores, ballast, and transshipment (goods transhipped from an importing vessel to an exporting vessel). Estimated. ⁴Relates to domestic and international traffic on all railway lines within each country shown, excluding railways entirely within an urban unit and plantation, industrial mining, funicular, and cable railways. In general, passenger-kilometers include all passengers except military, government, and railway personnel when carried without revenue; ton-kilometers relate to freight net ton-kilometers and include all goods whether carried by fast or ordinary trains except service traffic, mail, baggage, and nonrevenue governmental stores. ⁵Covers both domestic and international scheduled services operated by companies registered in each country. Includes supplementary services occasioned by overflow traffic on regularly scheduled trips and preparatory flights for new scheduled services. ⁶Represents officially estimated number of vehicles in use. Includes passenger cars and commercial vehicles. For most countries shown, excludes 2- and 3-wheeled cycles and motorcycles, trams, trolley buses, ambulances, hearses, military vehicles, police and special purpose or government security vehicles, trailers, and farm tractors. Estimated. ⁷Includes trade between the Federal Republic of Germany and German Democratic Republic. ⁸Excludes Soviet Union. ⁹Includes the Great Lakes. ¹⁰Excludes traffic with U.S. Virgin Islands. ¹¹Includes Great Lakes and St. Lawrence River international traffic. ¹²Includes transshipments. ¹³Class I railways only. ¹⁴For 1980. ¹⁵For 1977. ¹⁶For 1975. ¹⁷For 1970. ¹⁸For 1974. ¹⁹For 1973. ²⁰Includes vehicles operated by police or other governmental security organizations. ²¹Excludes transit traffic and packing. ²²Imports f.o.b. ²³Year ending June 30. ²⁴For 1979. ²⁵Includes special purpose vehicles. ²⁶For 1978. ²⁷Includes farm tractors. ²⁸Includes Luxembourg. ²⁹Includes ships' stores. ³⁰Includes bunkers. ³¹Includes service traffic. ³²Source: U.S. Bureau of the Census. Data from Republic of China publications. ³³Includes vehicles no longer in circulation. ³⁴Passenger cars only. ³⁵Year ending Mar. 31. ³⁶Includes passengers' baggage and parcel post. ³⁷Includes goods imported and exported other than by sea. ³⁸Includes passengers' baggage. ³⁹For 1976. ⁴⁰For 1972. ⁴¹Includes military traffic. ⁴²Year beginning Apr. 1. ⁴³Year beginning Mar. 21. ⁴⁴Excludes petroleum. ⁴⁵Includes coastwise traffic. ⁴⁶Includes imports of foreign aid. ⁴⁷Includes petroleum from neutral zone. ⁴⁸West Malaysia only. ⁴⁹Data for Singapore included in Malaysia. ⁵⁰Includes data for airlines based in the Netherlands and dependencies. ⁵¹Million manifest tons. ⁵²Includes ambulances. ⁵³Year beginning July 1. ⁵⁴Commercial vehicles only. ⁵⁵Excludes transshipments to and from Peninsular Malaysia. ⁵⁶Includes Namibia. ⁵⁷Year ending Sept. 30. ⁵⁸Excludes Northern Ireland. ⁵⁹Includes data for airlines based in the United Kingdom territories and dependencies.

Source: Except as noted, Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook* (copyright).

No. 1546. COMMUNICATIONS—TELEPHONES, NEWSPAPERS, TELEVISION, AND RADIO, BY COUNTRY

[See text, p. 854, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	TELEPHONES, ¹ 1980		DAILY NEWSPAPERS, ² 1979			TELEVISION RECEIVERS, ³ 1980		RADIO RECEIVERS, ⁴ 1980	
	Number in use (1,000)	Per 100 popula- tion	Number	Circulation		Number (1,000)	Per 1,000 popula- tion	Number (1,000)	Per 1,000 popula- tion
				Total (1,000)	Copies per 1,000 popula- tion				
World, total ..	NA	11.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
United States ..	180,424	78.8	1 787	62,223	282	142,000	624	477,800	2,088
Algeria ..	485	2.5	4	425	22	875	52	3,230	174
Argentina ..	2,588	9.3	133	¹ 2,556	(NA)	5,140	190	¹ 9,000	¹ 379
Australia ..	7,153	48.9	83	4,851	338	5,525	378	15,000	1,028
Austria ..	3,010	40.1	31	2,634	351	2,225	286	¹ 3,322	¹ 443
Bangladesh ..	¹ 104	¹ 1	30	404	5	80	1	710	8
Belgium ..	3,838	36.9	28	2,242	228	¹ 3,500	¹ 386	¹ 4,500	¹ 457
Bolivia ..	¹ 49	¹ 9	14	214	38	300	54	500	88
Brazil ..	7,488	8.3	¹ 328	¹ 5,094	¹ 44	15,000	122	35,000	284
Bulgaria ..	1,255	14.1	12	2,093	234	¹ 1,852	¹ 188	¹ 2,149	¹ 242
Burma ..	¹ 37	¹ 1	7	329	10	(NA)	¹ 22	700	20
Canada ..	16,531	68.8	126	5,700	241	11,280	471	26,551	1,108
Chile ..	551	5.0	37	945	87	1,225	110	3,250	283
China ..									
Mainland ..	4,355	4	(NA)	(NA)	(NA)	4,000	4	55,000	57
Taiwan ..	3,188	17.9	31	(NA)	(NA)	(NA)	¹ 90	(NA)	228
Colombia ..	1,718	8.4	38	¹ 1,273	¹ 48	2,250	83	3,010	111
Costa Rica ..	236	10.7	4	155	70	182	72	180	80
Cuba ..	¹ 382	¹ 3.7	9	881	91	1,273	129	2,914	285
Cyprus ..	113	17.9	12	¹ 67	(NA)	¹ 150	¹ 238	313	488
Czechoslovakia ..	3,150	20.6	30	4,641	304	¹ 4,292	¹ 280	¹ 4,432	¹ 288
Denmark ..	3,263	64.1	49	1,876	367	¹ 1,886	¹ 368	¹ 1,950	¹ 381
Dominican Republic ..	165	2.9	7	220	42	385	71	220	41
Ecuador ..	272	3.3	38	400	49	500	60	2,850	317
Egypt ..	534	1.2	9	¹ 2,475	(NA)	1,400	33	6,000	143
El Salvador ..	88	1.9	12	¹ 334	(NA)	300	62	1,550	322
Ethiopia ..	88	.3	5	52	2	30	1	250	8
Finland ..	2,374	49.8	82	2,289	480	¹ 1,780	¹ 374	4,000	837
France ..	24,888	45.9	¹ 98	¹ 10,863	¹ 205	19,000	354	48,050	885
German Dem. Rep ..	3,156	18.9	39	8,658	517	¹ 5,731	¹ 342	¹ 6,409	¹ 383
Germany, Fed. Rep. of ..	28,554	46.4	¹ 412	¹ 26,866	¹ 423	¹ 20,782	¹ 337	¹ 22,750	¹ 370
Ghana ..	¹ 87	¹ 7	5	¹ 345	¹ 31	57	5	1,870	183
Greece ..	2,788	28.9	116	(NA)	(NA)	¹ 1,500	¹ 158	3,310	346
Guatemala ..	¹ 71	¹ 1.2	9	¹ 91	(NA)	175	24	289	43
Honduras ..	¹ 27	¹ 5	7	223	63	49	13	176	48
Hong Kong ..	1,878	32.6	41	(NA)	(NA)	1,114	220	2,550	503
Hungary ..	1,261	11.8	27	2,585	242	¹ 2,786	¹ 258	2,700	252
Iceland ..	109	47.7	8	127	557	¹ 63	¹ 275	¹ 140	¹ 614
India ..	¹ 2,424	¹ 4	1,087	13,033	20	¹ 1,150	¹ 2	¹ 30,000	¹ 45
Indonesia ..	487	.3	¹ 178	¹ 2,358	(NA)	1,405	9	6,200	41
Iran ..	¹ 227	3.2	¹ 23	¹ 473	(NA)	2,085	56	¹ 2,050	¹ 82
Iraq ..	¹ 320	¹ 2.6	5	¹ 325	(NA)	650	50	2,000	153
Ireland ..	650	18.7	7	770	229	¹ 757	¹ 225	¹ 1,250	¹ 371
Israel ..	¹ 130	29.3	¹ 24	¹ 801	¹ 231	¹ 581	¹ 150	802	207
Italy ..	19,277	33.7	75	5,308	83	22,000	386	¹ 13,781	¹ 242
Jamaica ..	119	8.0	3	128	59	167	78	719	328
Japan ..	53,634	46.0	178	65,880	589	62,976	539	79,200	678
Kampuchea ..	(NA)	(NA)	¹ 17	(NA)	(NA)	¹ 30	¹ 4	¹ 110	¹ 14
Kenya ..	192	2.1	3	156	10	85	4	540	33
Korea, Republic of ..	¹ 2,898	¹ 7.7	29	¹ 6,496	¹ 197	¹ 6,280	¹ 164	15,000	383
Kuwait ..	215	15.9	7	¹ 180	¹ 159	542	400	525	387
Lebanon ..	¹ 192	¹ 8.8	251	(NA)	(NA)	750	237	2,000	633
Luxembourg ..	¹ 199	¹ 54.7	51	1,301	358	¹ 89	¹ 245	¹ 186	¹ 512
Madagascar ..	¹ 37	¹ 4	¹ 12	(NA)	(NA)	45	5	1,700	194
Malaysia ..	598	4.5	44	¹ 1,798	(NA)	¹ 850	¹ 64	2,000	149
Mexico ..	4,992	7.2	¹ 352	¹ 3,994	(NA)	7,500	104	20,500	285
Morocco ..	231	1.2	8	¹ 230	(NA)	¹ 749	¹ 37	3,000	148
Netherlands ..	7,230	50.9	80	4,553	325	¹ 4,181	¹ 298	¹ 4,376	¹ 308
New Zealand ..	1,730	55.0	37	1,067	345	882	278	2,755	889
Nigeria ..	¹ 128	¹ 2	15	¹ 527	(NA)	450	8	5,800	73

See footnotes at end of table.

NO. 1546. COMMUNICATIONS—TELEPHONES, NEWSPAPERS, TELEVISION, AND RADIO, BY COUNTRY—
Con.

[See text, p. 854, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	TELEPHONES, ¹ 1980		DAILY NEWSPAPERS, ² 1979			TELEVISION RECEIVERS, ³ 1980		RADIO RECEIVERS, ⁴ 1980	
	Number in use (1,000)	Per 100 popu- lation	Num- ber	Circulation		Number (1,000)	Per 1,000 popu- lation	Number (1,000)	Per 1,000 popu- lation
				Total (1,000)	Copies per 1,000 popula- tion				
Norway.....	1,852	45.2	83	1,859	458	⁷ 1,195	⁷ 292	1,335	327
Pakistan.....	367	.4	119	1,094	14	800	10	5,500	67
Panama.....	173	9.5	6	148	79	220	120	285	155
Paraguay.....	59	1.8	5	¹⁴ 88	(NA)	60	20	190	62
Peru.....	475	2.7	59	¹¹ 828	¹¹ 51	850	48	2,750	155
Philippines.....	702	1.5	19	²¹ 972	(NA)	1,000	21	2,100	43
Poland.....	3,387	9.5	44	8,433	237	⁷ 7,953	⁷ 224	⁸ 10,500	⁸ 295
Portugal.....	1,372	13.8	22	492	50	1,400	141	1,576	159
Puerto Rico.....	631	20.3	4	475	139	800	233	2,000	582
Romania.....	¹⁸ 1,198	¹⁸ 5.6	35	3,998	181	⁷ 3,714	⁷ 167	⁷ 3,205	⁷ 144
Saudi Arabia.....	443	5.3	12	¹¹ 143	(NA)	2,100	251	2,500	299
Singapore.....	702	29.1	11	587	249	⁷ 397	⁷ 166	⁷ 459	⁷ 192
South Africa.....	2,682	11.2	¹¹ 24	¹¹ 1,728	¹¹ 66	2,000	66	6,000	273
Soviet Union.....	²⁸ 23,707	²⁸ 8.9	¹¹ 686	¹¹ 102,462	¹¹ 396	⁸ 60,000	⁸ 303	130,000	490
Spain.....	11,945	31.5	105	¹¹ 4,710	¹¹ 128	9,424	252	9,800	256
Sri Lanka.....	84	.6	22	(NA)	(NA)	35	2	1,454	99
Sudan.....	65	.3	3	18	1	105	6	1,330	71
Sweden.....	6,621	79.6	112	4,359	526	⁷ 3,165	⁷ 381	⁷ 183,140	⁷ 18383
Switzerland.....	4,632	72.7	88	2,501	395	⁷ 2,000	⁷ 314	⁷ 2,300	⁷ 361
Syria.....	287	3.2	6	104	12	385	43	⁶ 1,367	⁶ 218
Thailand.....	497	1.1	18	²⁸ 1,943	(NA)	810	17	5,910	125
Trinidad and Tobago.....	⁸ 77	⁸ 6.8	4	193	171	210	184	300	263
Tunisia.....	189	3.0	5	271	44	300	47	1,000	157
Turkey.....	1,902	4.2	²⁴ 1,115	²⁴ 3,880	(NA)	⁷ 3,348	⁷ 75	⁷ 4,284	⁷ 95
United Kingdom.....	26,651	47.7	120	²⁸ 25,221	(NA)	22,800	404	53,000	947
Uruguay.....	287	9.9	28	(NA)	(NA)	363	125	1,630	582
Venezuela.....	⁸ 789	⁸ 5.8	89	2,383	176	1,710	123	5,350	385
Vietnam.....	⁸ 247	⁸ 2.3	3	²⁷ 500	(NA)	(NA)	(NA)	(NA)	(NA)
Yugoslavia.....	2,139	9.5	27	2,282	103	⁷ 4,300	⁷ 192	⁷ 4,635	⁷ 207
Zimbabwe.....	⁸ 214	⁸ 2.8	2	111	16	78	10	315	43

NA Not available. ¹Comprises public and private telephones installed which can be connected to a central exchange.

²Publications containing general news and appearing at least 4 times a week; may range in size from a single sheet to 50 or more pages. Circulation data refer to average circulation per issue or number of printed copies per issue and include copies sold outside the country. ³Estimated number of sets in use, except as noted. ⁴Data cover estimated number of receivers in use, except as noted, and apply to all types of receivers for radio broadcasts to the public, including receivers connected to a radio "redistribution system" but excluding television sets. ⁵For 1978. ⁶For 1970. ⁷Number of licenses issued. ⁸For 1979.

⁹For 1973. ¹⁰Excludes licenses for receivers connected by wire to a redistribution system. ¹¹For 1977. ¹²For 1976.

¹³33 dailies. ¹⁴9 dailies. ¹⁵8 dailies. ¹⁶4 dailies. ¹⁷3 dailies. ¹⁸For 1975. ¹⁹28 dailies. ²⁰32 dailies.

²¹18 dailies. ²²Excludes telephone systems of the military forces. ²³17 dailies. ²⁴Data include non-daily newspapers.

²⁵117 dailies. ²⁶Date are for former Rep. of South Vietnam. ²⁷2 dailies.

Source: Except Taiwan, Statistical Office of the United Nations, New York, N.Y., *Statistical Yearbook* (copyright), and United Nations Educational, Scientific, and Cultural Organization, Paris, France, *Statistical Yearbook* (copyright); Taiwan, U.S. Bureau of the Census. Data from Republic of China publications.

No. 1547. MILITARY EXPENDITURES IN CURRENT AND CONSTANT (1978) DOLLARS: 1970 TO 1979

[In millions of dollars, except as indicated. See also table 583. Data for expenditures and for GNP were based on local currencies which were deflated to constant 1978 local currency values before conversion to U.S. dollar equivalents. In general, the rates used for conversion are the 1978 average par/market exchange rates as supplied by IFRD (International Bank for Reconstruction and Development). Data by country exclude countries with 1979 military expenditures less than 570 million dollars. See also headnote, table 1548.]

COUNTRY	CURRENT DOLLARS					CONSTANT (1978) DOLLARS						
	1970	1975	1977	1978	1979	1970	1975	1979	Per capita (dollars)		Percent of GNP ¹	
									1970	1978	1978	1979
World total ²	257.0	397.8	488.8	808.4	987.5	425.4	474.7	521.4	117	118	6.2	5.3
Europe ³	132.9	216.9	254.5	278.4	308.8	220.0	261.1	284.4	298	380	6.7	6.5
North America ^{3,4}	79.9	93.8	104.5	112.4	125.5	132.3	111.9	116.2	584	474	7.5	4.8
Latin America ⁴	3.0	5.8	7.4	7.9	7.7	4.9	5.9	7.1	17	20	1.6	1.4
Middle East ^{3,5}	7.3	25.5	28.8	33.2	43.0	12.1	30.5	39.5	122	303	10.3	15.1
East Asia ⁶	28.8	42.2	49.8	54.2	64.2	44.3	50.4	58.9	34	37	4.4	3.5
South Asia ⁶	2.1	3.8	4.1	4.7	5.1	3.4	4.5	4.7	5	5	3.2	3.0
Africa ^{3,7}	3.1	5.4	7.8	8.2	8.3	5.1	6.4	7.8	16	18	2.8	2.8
Oceania ³	2.0	2.6	3.0	3.3	3.2	3.2	3.1	3.0	201	139	3.1	2.2
United States	77,864	90,948	100,825	108,357	122,279	128,844	108,493	112,349	626	506	7.9	5.2
Algeria	187	352	520	812	899	309	458	■	22	35	2.0	2.4
Argentina	584	1,206	1,535	1,793	1,864	984	1,438	1,713	41	63	1.8	2.5
Australia	1,779	2,297	2,694	2,976	2,856	■	2,740	2,624	231	182	3.3	2.3
Austria	285	502	608	721	802	472	589	737	63	98	1.1	1.2
Belgium	1,311	2,280	2,784	3,175	3,546	2,170	2,720	3,256	223	332	2.8	3.3
Brazil	682	1,480	1,880	2,042	1,719	1,480	1,785	1,588	15	13	1.5	.8
Bulgaria	1,170	2,145	2,498	2,559	2,753	1,936	2,558	2,529	227	287	7.7	7.5
Canada	2,065	2,872	3,588	4,087	4,173	3,417	3,427	3,834	160	181	2.4	1.9
China:												
Mainland	19,900	28,500	32,700	36,000	41,900	32,933	■	36,497	38	38	13.8	8.8
Cuba	228	383	(NA)	1,040	1,180	377	488	1,065	43	108	4.9	(NA)
Czechoslovakia	2,436	4,084	4,480	4,887	5,184	4,031	4,871	4,783	281	313	5.3	4.9
Denmark	633	1,037	1,177	1,314	1,471	1,047	1,237	1,352	213	285	2.3	2.4
Egypt	701	1,814	1,725	1,922	1,899	1,181	2,164	1,717	35	41	12.8	10.5
Finland	238	436	598	483	572	365	523	526	85	109	1.5	1.3
France	8,731	13,579	18,544	18,823	20,973	14,450	18,198	19,270	■	380	4.2	3.8
German Dem. Rep.	3,026	4,980	5,722	6,278	6,849	5,007	5,940	6,292	■	374	5.8	5.7
Germany, Fed. Rep.	10,385	17,480	19,415	21,417	23,897	17,204	20,829	21,773	283	355	3.3	3.3
Greece	608	1,489	■	2,071	2,057	1,007	1,753	1,890	114	201	4.7	5.6
Hungary	1,240	1,777	1,771	1,980	2,080	2,052	2,119	1,882	189	178	5.8	4.3
India	1,574	2,847	3,037	3,486	3,722	2,606	3,388	3,420	4	5	3.0	3.6
Indonesia	553	1,288	1,432	1,510	2,108	915	1,511	1,937	7	13	3.3	3.8
Iran	2,083	8,850	8,980	10,998	(NA)	3,485	10,557	(NA)	119	*302	7.8	*148
Iraq	784	1,614	1,981	1,984	2,775	1,284	1,825	2,550	133	187	12.9	8.0
Israel	1,417	3,278	3,598	3,317	4,724	2,348	3,908	4,341	782	1,142	25.1	28.8
Italy	3,128	4,874	5,853	6,248	7,204	5,178	5,814	6,819	98	116	2.5	2.4
Japan	3,114	8,394	7,833	8,851	10,810	5,153	7,828	9,748	49	84	.8	.3
Korea, Dem. Peo. Rep.	578	1,243	1,253	1,310	1,315	854	1,482	1,208	87	64	15.7	8.4
Korea, Rep. of	491	1,330	2,347	2,971	3,089	814	1,587	2,838	24	72	3.7	5.6
Kuwait	204	681	725	1,080	988	337	813	908	482	697	2.9	3.7
Malaysia	182	482	580	677	875	288	578	820	24	45	3.2	3.8
Morocco	122	381	783	772	830	203	487	782	12	37	2.8	5.8
Netherlands	2,082	3,362	4,135	4,227	4,897	3,446	4,011	4,499	285	321	3.4	3.4
Nigeria	1,136	1,342	2,035	2,054	1,867	1,880	1,801	1,531	33	20	5.9	2.5
Norway	583	938	1,124	1,307	2,445	985	1,119	2,248	247	548	3.5	3.3
Pakistan	480	801	849	978	1,067	782	955	980	11	11	5.8	5.0
Poland	3,631	6,281	7,442	7,885	8,488	6,008	7,482	7,778	184	221	8.0	5.4
Portugal	527	878	570	622	697	873	810	840	97	65	6.5	3.2
Qatar	(⁸)	322	785	948	1,283	(⁸)	384	1,181	(⁸)	5,805	(⁸)	28.7
Romania	1,807	3,086	3,556	3,816	3,997	3,156	3,683	3,672	155	188	5.8	3.8
Saudi Arabia	1,531	6,820	8,745	10,086	14,410	2,534	8,255	13,240	■	1,423	11.9	18.8
South Africa	480	1,401	1,989	1,800	1,743	782	1,871	1,802	33	57	2.3	3.8
Soviet Union	77,200	126,900	149,400	161,800	181,400	127,782	151,381	166,889	525	833	14.7	14.4
Spain	1,908	3,053	2,327	2,475	2,887	3,156	3,842	2,852	83	71	3.1	1.8
Sweden	1,702	2,454	2,704	2,950	3,277	2,817	2,828	3,011	352	382	3.6	3.4
Switzerland	1,077	1,405	1,881	1,759	2,027	1,782	1,877	1,882	282	295	2.1	2.1
Syria	308	954	1,023	1,210	2,149	511	1,150	1,975	81	232	11.7	22.8
Thailand	248	389	624	717	917	407	478	843	11	18	3.0	3.5
Turkey	811	2,175	2,755	2,727	2,511	1,343	2,584	2,307	37	51	4.2	4.3
United Arab Emirates	(NA)	31	88	172	1,088	(⁹)	37	982	(⁹)	1,091	(⁹)	5.5
United Kingdom	7,463	11,929	13,488	14,818	16,477	12,401	14,230	15,139	223	270	4.7	4.8
Yugoslavia	823	1,838	2,063	2,284	2,900	1,031	1,952	2,684	50	120	3.0	4.3

NA: Not available. ¹ Military expenditure as percent of gross national product. ² In billions of dollars, except per capita and percent. World and regional totals include countries not listed. ³ U.S. and Canada only. ⁴ Egypt assigned to Middle East rather than to Africa. ⁵ 1978 data. ⁶ Pre-independence.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

FIG. 15A. ARMED FORCES PERSONNEL—TOTAL AND PER 1,000 PERSONS, BY COUNTRY:
1970 TO 1979

[Personnel data as of July. Armed Forces refer to active-duty military personnel, including paramilitary forces where those forces resemble regular units in their organization, equipment, training, or mission. Reserve forces are not included. Countries which became independent during period shown are normally included beginning with first year in which they were independent for more than six months]

COUNTRY	ARMED FORCES PERSONNEL (1,000)						ARMED FORCES PER 1,000 POPULATION					
	1970	1975	1976	1977	1978	1979	1970	1975	1976	1977	1978	1979
World total	24,916	26,486	26,362	26,267	26,704	26,737	6.9	6.5	6.3	6.2	6.2	6.1
Europe	9,596	9,925	9,710	9,712	9,730	10,172	13.0	12.9	12.5	12.5	12.4	12.9
North America ¹	3,165	2,207	2,178	2,180	2,180	2,127	14.0	9.3	9.2	9.1	9.0	8.7
Latin America	1,117	1,297	1,329	1,436	1,500	1,497	4.0	4.1	4.1	4.3	4.4	4.3
Middle East ²	978	1,684	1,764	1,499	1,483	1,695	9.8	14.7	14.9	12.3	11.7	13.0
East Asia	7,128	7,847	7,841	7,860	8,281	8,220	5.5	5.4	5.3	5.2	5.4	5.3
South Asia	2,070	2,452	2,362	2,182	2,102	1,892	3.2	3.0	2.8	2.6	2.4	1.9
Africa ³	762	1,003	1,092	1,320	1,339	1,246	2.5	2.7	2.9	3.4	3.3	3.0
Oceania	100	83	86	87	87	88	6.3	4.7	4.2	4.2	4.2	4.2
NATO	6,311	5,253	5,026	4,976	4,926	5,294	11.9	9.5	9.0	8.9	8.7	9.3
Warsaw Pact	5,570	5,978	5,980	6,099	6,182	6,156	16.1	16.6	16.4	16.6	16.7	16.8
United States	3,070	2,130	2,100	2,100	2,100	2,047	15.0	10.0	9.8	9.7	9.6	9.3
Algeria	60	60	66	75	75	89	6.8	5.0	5.2	4.4	4.3	4.9
Argentina	140	180	155	155	155	155	5.9	6.3	6.0	5.9	5.8	5.7
Australia	88	70	71	70	70	71	6.8	5.1	5.1	5.0	4.9	4.9
Austria	55	50	40	37	40	40	7.4	6.7	5.3	5.0	5.3	5.3
Belgium	110	87	87	85	90	107	11.3	8.9	8.9	8.7	9.2	10.9
Brazil	375	455	450	450	450	450	3.9	4.2	4.1	4.0	3.9	3.8
Bulgaria	175	175	177	177	184	184	20.6	20.1	20.1	20.1	19.9	19.6
Canada	95	77	78	80	80	80	4.5	3.4	3.4	3.4	3.4	3.4
China:												
Mainland	2,850	4,300	4,300	4,300	4,500	4,500	3.4	4.5	4.4	4.4	4.5	4.4
Cuba	140	120	125	200	210	210	16.3	12.9	13.2	20.8	21.6	21.4
Czechoslovakia	222	210	210	206	212	211	15.5	14.2	14.1	13.7	14.0	13.9
Denmark	45	35	35	34	34	35	9.2	6.9	6.9	6.8	6.8	6.9
Egypt	255	400	400	350	350	395	7.7	10.6	10.6	9.0	8.8	9.6
Finland	40	40	36	39	39	36	8.7	8.5	7.7	8.5	8.3	7.5
France	570	575	585	602	502	575	11.2	10.9	11.1	9.5	9.4	10.7
German Dem. Rep.	202	220	220	222	228	228	11.9	13.0	13.1	13.2	13.6	13.8
Germany, Fed. Rep.	510	495	495	489	489	495	8.4	8.0	8.0	8.0	8.0	8.1
Greece	180	181	200	290	184	180	20.5	21.2	21.7	31.2	19.8	19.1
Hungary	146	118	118	144	110	110	14.2	11.2	11.1	13.6	10.3	10.9
India	1,560	1,670	1,440	1,270	1,300	1,104	2.8	2.7	2.3	2.0	2.0	1.7
Indonesia	358	280	257	280	250	242	2.9	1.9	1.8	1.8	1.7	1.8
Iran	245	385	420	350	350	415	8.5	11.6	12.2	9.9	9.6	11.1
Iraq	95	155	190	140	140	212	10.0	13.6	16.4	11.7	11.2	16.4
Israel	105	190	190	165	165	165	36.0	54.3	54.3	45.8	44.6	43.4
Italy	435	500	432	330	365	500	8.1	9.0	7.7	5.9	6.4	8.8
Japan	236	237	236	236	236	241	2.3	2.1	2.1	2.1	2.1	2.1
Korea, Dem. People's Rep. of	436	470	500	620	632	678	30.8	26.5	29.4	29.5	34.9	36.3
Korea, Rep. of	645	630	610	600	600	600	19.5	17.2	16.4	15.8	15.6	15.3
Kuwait	10	25	25	10	10	11	14.3	25.0	22.7	9.1	8.3	8.5
Malaysia	58	76	80	79	82	86	5.3	6.1	6.3	6.1	6.2	4.6
Morocco	65	75	90	85	115	98	4.1	4.1	4.6	4.4	5.8	4.8
Netherlands	115	112	112	108	100	107	8.8	8.2	8.1	7.9	7.2	7.6
Nigeria	200	270	270	300	204	164	2.6	4.1	4.0	4.3	2.6	2.2
Norway	35	35	39	39	39	39	9.0	8.9	8.8	8.8	8.5	8.6
Pakistan	390	502	604	568	518	439	5.9	6.7	7.6	7.4	6.3	5.2
Poland	314	435	435	430	430	425	9.7	12.8	12.7	12.4	12.3	12.1
Portugal	230	217	60	58	58	63	25.6	23.1	6.2	6.1	5.9	6.5
Qatar	(¹)	5	5	6	6	5	(¹)	25.0	25.0	25.0	25.0	25.0
Romania	211	220	220	220	218	218	10.4	10.4	10.3	10.1	10.0	9.9
Saudi Arabia	65	95	95	60	50	50	10.5	13.0	12.3	7.3	6.7	5.4
South Africa	40	50	59	67	78	70	1.8	2.0	2.3	2.6	2.9	2.5
Soviet Union	4,900	4,600	4,600	4,700	4,800	4,800	17.7	18.1	17.9	18.1	18.4	18.9
Spain	366	375	366	309	321	349	10.8	10.6	10.3	8.5	8.7	9.4
Sweden	75	75	66	68	68	66	9.4	9.1	8.0	8.3	8.3	8.2
Switzerland	25	25	25	18	18	23	4.0	3.9	4.0	2.9	2.9	3.7
Syria	75	230	230	225	225	250	11.9	31.1	29.9	26.5	27.4	29.4
Thailand	175	227	228	230	250	230	4.7	5.4	5.2	5.2	5.5	4.9
Turkey	540	453	460	540	586	717	15.1	11.2	11.1	12.7	13.0	18.1
United Arab Emirates	(²)	21	27	25	25	25	(²)	36.0	38.6	31.3	31.3	27.8
United Kingdom	375	345	344	318	318	328	6.8	6.2	6.1	5.7	5.7	5.9
Vietnam	452	643	637	815	660	750	20.5	26.5	13.1	12.9	12.9	14.4
Yugoslavia	257	270	275	270	280	280	12.8	12.6	12.7	12.4	11.8	11.7

¹U.S. and Canada only.

²See footnote 4, table 1547

³Pre-independence.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers, annual*.

NO. 1549. MILITARY SHIPS OF SELECTED COUNTRIES, BY TYPE: 1975 TO 1982

[Includes vessels in reserve, ships under construction, and vessels belonging to Coast Guard services where applicable. Figures for oilers, supply ships, miscellaneous craft, and total craft are based on different criteria from country to country and from year to year]

COUNTRY AND YEAR	Total	Air- craft car- riers	Sub- marines	Cruis- ers	De- stroyers and frigates	Cor- vettes, fast attack, and patrol craft	Mine war- fare forces	Am- phibious forces	Oilers and supply ships	Miscella- neous
U.S.: 1975.....	1,039	25	150	39	185	29	37	201	264	109
1980.....	1,947	23	155	30	204	6	25	231	90	1,183
1982.....	2,015	23	158	38	201	3	25	195	88	1,388
China: Mainland: 1975.....	1,983	-	64	-	20	865	28	515	41	459
1980.....	2,207	-	92	-	29	997	97	538	54	400
1982.....	2,336	-	114	-	38	1,048	103	551	54	439
France: 1975.....	458	3	29	2	62	59	60	32	38	173
1980.....	404	2	29	2	57	23	50	71	12	159
1982.....	431	4	32	2	53	22	45	91	11	171
Soviet Union: 1975.....	2,390	2	403	37	217	566	412	153	259	341
1980.....	3,025	5	490	50	240	639	389	378	58	776
1982.....	2,752	5	482	50	287	500	396	321	62	649
United Kingdom: 1975.....	615	3	36	14	73	15	48	63	54	308
1980.....	527	5	35	8	74	19	51	86	31	218
1982.....	501	4	38	4	72	27	58	82	23	195
1982:										
Albania.....	92	-	3	-	-	53	17	-	4	15
Argentina.....	142	1	9	1	21	64	6	17	3	29
Australia.....	129	1	6	-	15	32	7	12	3	53
Belgium.....	58	-	-	-	4	8	27	2	2	13
Brazil.....	171	1	8	-	19	32	6	53	4	48
Bulgaria.....	121	-	2	-	2	28	18	30	3	38
Canada.....	88	-	3	-	26	13	-	5	5	36
Chile.....	75	-	5	3	11	24	-	16	3	13
China: Taiwan.....	190	-	4	-	33	24	23	55	7	44
Colombia.....	62	-	4	-	8	26	-	5	1	18
Cuba.....	158	-	3	-	1	117	8	20	-	9
Denmark.....	144	-	8	-	10	61	21	9	2	13
Ecuador.....	42	-	2	-	2	19	-	5	1	13
Egypt.....	154	-	12	-	8	81	12	27	-	14
Finland.....	73	-	-	-	-	26	3	14	-	38
German Dem. Republic.....	231	-	-	-	2	89	47	16	14	63
Germany, Fed. Rep. of.....	331	-	24	-	21	64	69	35	17	101
Greece.....	209	-	10	-	22	37	16	89	6	29
India.....	135	1	12	1	35	30	14	18	7	17
Indonesia.....	182	-	6	-	10	33	4	84	5	40
Iran.....	109	-	-	-	7	60	5	10	4	23
Iraq.....	76	-	-	-	5	61	5	4	1	-
Israel.....	101	-	3	-	-	68	-	12	-	18
Italy.....	273	2	10	2	24	20	43	63	3	106
Japan.....	243	-	17	-	62	23	43	19	27	52
Korea, Dem. People's Rep. of.....	642	-	18	-	4	408	-	107	-	165
Korea, Rep. of.....	122	-	-	-	21	50	9	31	8	3
Libya.....	74	-	6	-	1	42	2	16	-	7
Malaysia.....	106	-	-	-	4	36	6	5	-	55
Mexico.....	144	-	-	-	10	106	-	7	2	19
Netherlands.....	155	-	10	-	25	11	46	13	2	48
New Zealand.....	19	-	-	-	4	4	-	4	-	7
Nigeria.....	150	-	-	-	2	78	-	3	-	67
Norway.....	111	-	15	-	5	53	13	8	-	17
Pakistan.....	84	-	12	1	10	40	6	2	3	16
Peru.....	93	-	12	3	13	28	-	9	7	21
Philippines.....	233	-	-	-	7	87	-	109	2	28
Poland.....	259	-	4	-	1	88	50	45	7	64
Portugal.....	79	-	3	-	17	27	4	19	2	7
Romania.....	136	-	-	-	-	96	32	-	-	6
Saudi Arabia.....	555	-	-	-	4	52	4	12	2	481
South Africa.....	69	-	3	-	2	41	10	2	1	19
Spain.....	350	2	12	-	35	99	9	109	15	69
Sweden.....	359	-	17	-	3	69	88	150	3	48
Syria.....	39	-	-	-	2	32	4	-	-	1
Thailand.....	188	-	-	-	6	100	9	58	3	12
Turkey.....	330	-	22	-	15	76	42	85	9	61
Venezuela.....	73	-	5	-	10	27	-	18	-	13
Yugoslavia.....	169	-	7	-	1	69	27	35	6	24

- Represents zero.

Source: Jane's Publishing, Inc., New York, N.Y., *Jane's Fighting Ships*, annual. (Copyright by Jane's Publishing Company Ltd. London, England.)

No. 1550. FOREIGN EXCHANGE RATES: 1965 TO 1982

[In U.S. cents per unit of foreign currency]

COUNTRY	Currency unit	1965	1979	1975	1977	1978	1979	1980	1981	1982, Aug.
Australia	Dollar	222.78	111.36	130.77	110.82	114.82	111.77	114.00	114.95	97.83
Austria	Schilling	3.87	3.87	5.75	6.05	6.90	7.48	7.73	6.29	5.74
Belgium	Franc	2.01	2.01	2.73	2.79	3.18	3.41	3.42	2.70	2.11
Canada	Dollar	92.74	95.80	98.30	94.11	87.73	85.39	85.53	83.41	80.30
Denmark	Krone	14.46	13.33	17.44	16.66	18.16	19.01	17.77	14.08	11.56
France	Franc	20.40	18.09	23.35	20.34	22.22	23.50	23.69	18.49	14.43
Germany, Fed. Rep.	Deutsche mark	25.04	27.42	40.73	43.09	49.87	54.56	55.09	44.36	40.30
India	Rupee	20.94	13.23	11.93	11.41	12.21	12.27	12.69	11.55	10.44
Ireland	Pound	279.59	239.59	222.16	174.49	191.84	204.65	205.77	161.32	138.54
Italy	Lira .....	.16	.16	.15	.11	.12	.12	.12	.09	.07
Japan	Yen .....	.28	.28	.34	.37	.48	.48	.44	.45	.39
Mexico	Peso	8.01	8.01	8.00	4.42	4.39	4.38	4.35	4.08	1.11
Netherlands	Guilder	27.77	27.65	39.63	40.75	48.28	49.84	50.37	40.19	36.64
Norway	Krone	13.98	13.99	19.18	18.79	19.08	19.75	20.28	17.46	14.97
Portugal	Escudo	3.48	3.50	3.93	2.62	2.28	2.04	2.00	1.63	1.16
South Africa	Rand	139.27	139.24	136.47	114.99	115.01	118.72	128.54	114.77	86.77
Spain	Peseta	1.67	1.43	1.74	1.33	1.31	1.49	1.40	1.09	.89
Sweden	Krona	19.39	19.28	24.14	22.38	22.14	23.32	23.65	19.86	16.28
Switzerland	Franc	23.11	23.20	38.74	41.71	56.28	60.12	59.70	51.03	47.35
United Kingdom	Pound	279.59	239.59	222.16	174.49	191.84	212.24	232.58	202.43	172.50

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1551. FOREIGN EXCHANGE RATES, BY COUNTRY: 1979 TO 1981

[National currency units per U.S. dollar. As of December 31. Represents mid-point market quotations to extent available. For countries with fixed relationships to a third currency, represents exchange rates of the third currency, times the fixed relationships. For currencies not quoted in exchange markets, represents official rates. For countries with multiple exchange rate systems, represents rate applicable to principal trade transactions]

COUNTRY	Currency unit	EXCHANGE RATE			COUNTRY	Currency unit	EXCHANGE RATE		
		1979	1980	1981			1979	1980	1981
Algeria	Dinar	3.76	3.97	4.38	Kenya	Shilling	7.33	7.57	10.29
Argentina	Peso	1,619	1,993	7,248	Korea, Rep. of	Won	484	660	701
Australia	Dollar .....	.905	.847	.867	Kuwait	Dinar .....	.273	.271	.281
Austria	Schilling	12.4	13.8	15.9	Liberia	Dollar	1.00	1.00	1.00
Belgium	Franc	28.0	31.5	38.5	Libya	Dinar .....	.296	.296	.296
Bolivia	Peso	24.5	24.5	24.5	Malaysia	Ringgit	2.19	2.22	2.24
Brazil ¹	Cruzeiro	42.5	65.5	127.8	Mexico	Peso	22.8	23.3	26.2
Canada	Dollar	1.17	1.19	1.19	Netherlands	Guilder	1.91	2.13	2.47
Chile	Peso	39.0	39.0	39.0	New Zealand	NZ Dollar	1.01	1.04	1.21
Colombia ¹	Peso	44.0	50.9	59.1	Nicaragua	Cordoba	10.05	10.05	10.05
Costa Rica	Colon	8.57	8.57	36.1	Nigeria	Naira .....	.561	.544	.637
Denmark	Krone	5.37	6.02	7.33	Norway	Krone	4.93	5.18	5.81
Egypt ²	Pound .....	.700	.700	.700	Pakistan	Rupee	9.90	9.90	9.90
Finland	Markka	3.71	3.84	4.36	Peru	Sol	250.1	341.2	506.2
France	Franc	4.02	4.52	5.75	Philippines	Peso	7.42	7.60	8.20
Germany, Fed. Rep. of	D. Mark	1.73	1.96	2.25	Portugal	Escudo	49.8	53.0	65.2
Ghana	New Cedi	2.75	2.75	2.75	Saudi Arabia	Riyal	3.37	3.33	3.42
Greece	Drachma	38.3	48.5	57.6	Singapore	Dollar	2.16	2.09	2.05
Honduras	Lempira	2.00	2.00	2.00	South Africa	Rand .....	.827	.746	.957
India	Rupee	7.91	7.93	9.10	Spain	Peseta	66.1	79.3	97.5
Indonesia	Rupiah	627	627	644	Sri Lanka	Rupee	15.45	18.00	20.55
Iran	Rial	70.5	72.3	79.5	Sweden	Krona	4.15	4.37	5.57
Iraq	Dinar .....	.295	.295	.295	Switzerland ³	Franc	1.58	1.76	1.80
Ireland	Pound .....	.486	.527	.632	Tanzania	Shilling	8.22	8.18	8.32
Israel	Shekel	3.535	7.548	15.604	Thailand	Baht	20.4	20.6	23.0
Italy	Lira	804	931	1,200	Turkey	Lira	35.4	90.1	133.6
Ivory Coast	CFA Franc	201	226	267	United Kingdom	Pound .....	.450	.419	.524
Jamaica	Dollar	1.781	1.781	1.781	Uruguay ¹	New Peso	8.46	10.03	11.59
Japan	Yen	240	203	220	Venezuela ¹	Bolivar	4.29	4.29	4.29
Jordan	Dinar .....	.295	.308	.339	Yugoslavia	Dinar	19.2	29.3	41.8
					Zaire	Zaire	2.025	2.985	5.465
					Zambia	Kwacha .....	.779	.803	.883

¹ Selling rates: The rates at which monetary authorities (or commercial banks) sell foreign exchange for national currency to those making payments abroad. ² Represents official rate. ³ Buying rates: The rates at which the monetary authorities (or the commercial banks) buy foreign exchange for national currency from recipients of foreign exchange.

Source: International Monetary Fund, Washington, D.C., *International Financial Statistics*, monthly.

No. 1552. RESERVE ASSETS AND CURRENT ACCOUNT BALANCES: 1970 TO 1981

(In millions of U.S. dollars. Assets include holdings of convertible foreign currencies, special drawing rights, and reserve position in International Monetary Fund and exclude gold holdings. Minus sign (-) denotes debits)

COUNTRY	TOTAL RESERVE ASSETS						CURRENT ACCOUNT BALANCES			
	1970	1975	1979	1980	1981		1970	1975	1980	1981
					Total	Currency holdings ¹				
All countries ²	58,281	185,298	355,820	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
United States	3,415	4,627	7,780	15,800	15,920	9,770	2,320	18,320	1,480	4,400
Algeria	148	1,128	2,659	3,773	3,895	3,421	(NA)	-1,082	249	(NA)
Argentina	533	288	9,388	8,719	3,298	2,588	(NA)	1,287	4,774	4,057
Australia	1,454	2,954	1,424	1,890	1,871	1,325	849	-1,058	-4,038	8,454
Austria	1,044	3,583	4,075	5,280	5,285	4,808	(NA)	187	1,838	-1,434
Bahrain	83	290	614	853	1,544	1,528	(NA)	-193	253	(NA)
Belgium	1,377	4,089	5,414	7,823	4,952	3,767	(NA)	288	-5,228	(NA)
Brazil	1,142	3,980	8,988	5,789	8,504	5,888	837	-7,008	12,808	11,733
Canada	3,888	4,426	2,804	3,083	3,538	2,981	1,078	-4,988	-938	4,458
Chile	342	56	1,838	3,123	3,213	3,119	-91	-480	-1,871	4,814
Colombia	189	475	3,844	4,831	4,741	4,425	-293	108	818	-1,843
Denmark	419	803	3,236	3,367	2,548	2,224	-544	480	2,467	-1,875
Ecuador	84	254	722	1,013	832	570	-114	-220	-842	1,002
Egypt	74	194	529	1,048	718	688	-	2,384	438	-2,138
Finland	425	433	1,540	1,870	1,484	1,249	239	2,180	1,395	-258
France	1,428	8,457	17,579	27,340	22,262	19,978	-285	172	-7,875	7,277
Germany, Fed. Rep. of	9,830	26,218	52,548	48,012	43,718	39,845	740	4,080	-16,480	-7,200
Greece	194	783	1,343	1,348	1,022	857	-405	877	2,209	-5,288
India	783	1,089	7,432	8,944	4,893	3,764	-394	-147	(NA)	(NA)
Indonesia	158	584	4,082	5,392	5,014	4,521	-310	-1,108	2,850	-1,188
Iran	77	8,744	15,210	(NA)	(NA)	(NA)	507	4,708	(NA)	(NA)
Iraq	318	2,558	(NA)	(NA)	(NA)	(NA)	(NA)	2,705	(NA)	(NA)
Ireland	881	1,513	2,212	2,880	2,651	2,458	-198	-55	-1,852	(NA)
Israel	405	1,137	3,084	3,351	3,497	3,495	562	-2,113	-980	1,544
Italy	2,485	1,384	18,187	23,140	20,134	18,817	747	580	-9,801	8,730
Japan	4,308	11,950	19,522	24,838	28,208	24,718	(NA)	-880	-10,750	4,770
Jordan	228	459	1,188	1,143	1,087	1,049	17	45	373	17
Korea, Republic of	808	781	2,959	2,925	2,882	2,818	-823	-1,888	-5,321	-4,478
Kuwait	117	1,492	2,870	3,828	4,088	3,549	(NA)	5,881	18,889	13,758
Lebanon	98	1,202	1,532	1,588	1,516	1,507	(NA)	(NA)	(NA)	(NA)
Libya	1,505	2,085	6,344	13,091	9,003	8,882	(NA)	392	(NA)	(NA)
Malaysia	818	1,456	3,915	4,387	4,088	3,818	8	-495	382	2,911
Mexico	588	1,383	2,072	2,880	4,074	3,709	1,088	4,042	-7,542	-12,817
Netherlands	1,454	4,884	7,591	11,845	9,339	8,071	-487	1,991	-2,802	3,185
Nigeria	202	5,888	5,548	10,235	3,895	3,088	388	42	2,880	5,329
Norway	788	2,197	4,215	6,048	8,253	5,777	242	2,478	1,109	2,417
Pakistan	138	340	213	498	721	665	(NA)	1,049	-925	-921
Peru	288	428	1,521	1,979	1,209	404	202	-1,540	52	1,513
Philippines	185	1,314	2,250	2,848	2,199	2,197	48	924	2,045	-2,285
Portugal	802	388	931	785	544	477	(NA)	-754	-1,084	-2,804
Saudi Arabia	543	23,193	19,273	23,437	32,238	27,988	71	14,311	41,400	45,126
Singapore	1,012	3,007	5,819	6,567	7,549	7,444	572	685	1,582	1,749
South Africa	348	489	434	728	888	407	-1,180	-2,567	3,532	-4,384
Spain	1,319	5,508	13,224	11,883	10,805	10,195	111	4,282	4,897	8,338
Sweden	561	2,839	3,514	3,418	3,801	3,147	-286	342	-4,491	2,802
Switzerland	2,401	7,019	18,435	15,858	13,979	13,517	72	2,587	-551	2,633
Thailand	824	1,679	1,843	1,580	1,732	1,671	250	-808	-2,078	-2,525
Trinidad and Tobago	43	751	2,138	2,780	3,345	3,194	107	272	-785	(NA)
Turkey	304	918	767	1,274	1,285	1,285	-70	-1,848	-3,538	-2,376
United Arab Emirates	(NA)	988	1,432	2,015	3,202	2,998	(NA)	(NA)	(NA)	(NA)
United Kingdom	1,478	4,997	19,744	20,861	15,238	12,807	1,878	-3,483	8,904	12,856
Venezuela	637	8,403	7,320	8,604	8,184	7,081	104	2,171	4,728	3,888
Yemen Arab Republic	(NA)	338	1,427	1,283	982	947	(NA)	129	685	855
Yugoslavia	89	812	1,257	1,384	1,587	1,514	(NA)	526	-2,290	(NA)

- Represents 2870. NA Not available. ¹ Holdings of convertible foreign currencies. ² Includes countries not shown separately

Source: International Monetary Fund, Washington, D.C., *International Financial Statistics*, monthly with annual supplements.

**NO. 1553. TOTAL EXTERNAL PUBLIC DEBT, 1973 TO 1980, AND BY TYPE OF CREDITOR, 1980, AND
DEBT SERVICE PAYMENTS AND RATIO, 1975 TO 1980**

[External public debt is defined as debt repayable to external creditors in foreign currency, goods, or services, with an original or extended maturity of more than one year, which is a direct obligation of, or has repayment guaranteed by, a public body in the borrowing country. Excludes undischarged debt (amounts not yet drawn by recipient) and unguaranteed private debt, which for some countries is substantial. Debt contracted for the purchase of military equipment is not usually reported. Debt service payments represent the sum of interest payments and repayments of principal on external public debt.]

COUNTRY	TOTAL EXTERNAL PUBLIC DEBT (mil. dol.)							DEBT SERVICE PAYMENTS (mil. dol.)			DEBT SERVICE RATIO ² (percent)		
	1973	1975	1979	1980				1975	1979	1980	1975	1979	1980
				Total ¹	Bi-lateral official	Bank ¹	Inter-national organizations						
Afghanistan	628	712	1 143	1 085	830	-	137	25	9	180	(NA)	(NA)	(NA)
Algeria	2 932	4 477	14 813	15 073	2 225	9 062	248	457	2 889	3 709	8.7	25.6	24.9
Argentina	2 783	3 121	8 716	10 285	824	7 014	1 087	788	1 488	1 987	22.0	15.0	17.7
Bangladesh	368	1 811	2 843	3 485	1 864	26	1 385	66	84	77	16.2	8.4	5.6
Bolivia	832	799	1 828	2 124	643	873	488	74	259	274	15.0	30.2	25.9
Brazil	7 480	13 751	35 529	37 824	3 352	29 822	3 104	1 879	8 434	7 911	18.8	35.8	34.0
Burma	232	281	1 242	1 517	587	173	342	34	94	110	17.5	22.7	22.2
Cameroon	237	372	1 832	2 002	726	888	451	36	132	183	5.9	7.7	(NA)
Chile	2 812	3 731	4 975	4 885	1 216	2 735	351	502	1 274	1 409	28.4	26.7	22.9
China, Taiwan	833	1 638	3 046	4 029	1 481	2 045	232	241	718	985	3.8	3.8	4.3
Colombia	1 914	2 348	3 343	4 047	1 043	1 470	1 345	248	857	548	11.1	13.3	9.7
Congo	202	363	821	898	481	203	116	35	107	86	12.7	18.7	9.4
Costa Rica	249	421	1 274	1 585	239	858	434	84	253	189	10.7	22.7	16.4
Dominican Rep.	314	411	884	1 188	508	473	205	49	244	157	4.7	18.4	10.6
Ecuador	336	462	2 083	2 855	297	1 600	380	51	731	408	4.5	29.2	14.0
Egypt	2 224	4 829	11 408	13 054	7 981	788	2 825	585	1 041	1 735	22.5	15.8	18.9
Ethiopia	258	352	821	728	320	14	378	10	11	20	7.4	4.9	7.6
Gabon	346	734	1 308	1 259	282	773	58	89	355	413	5.5	17.5	(NA)
Ghana	704	872	972	1 011	478	7	323	50	88	77	5.8	5.7	6.0
Greece	1 541	2 552	3 545	4 541	648	3 448	371	445	738	891	10.2	8.4	9.4
Guatemala	112	184	482	541	184	-	346	13	40	85	1.7	2.6	3.5
Guinea	805	770	1 054	1 074	684	39	181	35	84	95	(NA)	(NA)	(NA)
Honduras	134	284	751	892	229	165	478	17	108	95	4.7	12.6	9.9
India	10 400	12 235	15 585	17 358	10 240	324	6 888	753	1 014	988	12.4	(NA)	(NA)
Indonesia	5 249	7 994	13 233	14 940	7 609	3 828	1 834	524	2 101	1 777	7.5	13.5	8.0
Iran	4 470	3 815	(NA)	(NA)	(NA)	(NA)	(NA)	948	(NA)	(NA)	4.1	(NA)	(NA)
Iraq	449	403	(NA)	(NA)	(NA)	(NA)	(NA)	63	(NA)	(NA)	7	(NA)	(NA)
Israel	4 527	5 915	10 339	12 833	8 882	3 793	111	712	1 378	1 183	18.6	18.7	11.8
Ivory Coast	580	923	3 845	4 265	802	2 824	579	131	587	830	8.8	18.3	(NA)
Jamaica	349	680	1 143	1 289	532	433	267	81	209	189	8.9	18.4	12.8
Jordan	209	340	1 048	1 266	835	238	159	21	96	134	3.8	5.3	5.4
Kenya	448	570	1 433	1 745	482	490	683	36	106	179	3.6	8.6	8.8
Korea, Rep. of	3 521	5 539	13 931	16 274	4 151	6 821	2 347	688	2 578	2 782	11.3	13.2	12.2
Lebanon	56	46	85	194	48	71	75	11	9	13	(NA)	(NA)	(NA)
Malaysia	720	1 338	2 847	3 103	575	1 712	745	144	549	326	3.3	4.5	2.3
Mali	285	348	552	821	409	11	193	3	9	11	2.4	3.6	(NA)
Mauritania	108	188	595	714	435	50	138	40	86	30	20.7	33.0	11.4
Mexico	5 585	11 540	29 174	33 490	1 296	28 886	3 196	1 595	10 053	7 882	25.1	62.8	31.9
Morocco	898	1 753	6 182	7 098	2 638	3 364	846	145	798	1 191	5.7	21.8	27.6
Nicaragua	334	598	1 114	1 689	502	748	429	56	55	76	12.3	8.1	(NA)
Nigeria	1 156	1 085	3 884	4 997	553	3 852	572	247	273	478	2.7	1.5	1.9
Oman	42	270	456	346	228	49	82	35	209	181	2.3	8.2	3.8
Pakistan	4 232	5 097	8 023	8 775	6 385	396	1 819	250	484	605	15.5	12.0	11.3
Panama	458	774	2 080	2 276	229	1 689	327	72	388	483	5.8	18.4	12.5
Peru	1 442	3 021	5 922	6 204	2 843	2 358	515	441	923	1 500	25.6	22.4	(NA)
Philippines	877	1 377	5 143	6 402	1 207	3 408	1 503	225	808	582	7.1	12.7	7.0
Portugal	708	1 060	4 942	5 810	1 534	3 150	488	112	727	983	2.7	9.3	10.1
Senegal	178	297	798	806	319	256	287	40	123	180	5.5	(NA)	(NA)
Singapore	423	550	1 323	1 389	382	588	180	55	219	265	7	1.2	1.1
Somalia	127	228	584	688	618	-	170	4	2	7	3.4	1.2	2.8
Spain	1 704	3 409	8 741	9 331	1 266	7 559	480	390	1 746	1 892	2.7	5.8	5.5
Sri Lanka	485	597	1 081	1 337	879	87	336	138	76	81	21.5	8.2	5.4
Sudan	487	1 190	2 571	3 126	1 788	558	522	108	126	149	20.9	15.1	11.6
Syria	413	678	2 284	2 483	2 036	35	328	104	350	381	7.8	15.7	14.5
Tanzania	484	798	1 203	1 380	725	85	558	29	39	52	6.9	5.6	7.3
Thailand	449	822	2 819	4 063	1 119	1 712	1 184	74	309	438	2.5	4.6	5.1
Trinidad and Tobago	151	159	422	482	75	312	82	27	49	81	2.1	2.2	(NA)
Tunisia	810	1 018	2 881	2 955	1 488	921	432	101	308	413	6.9	10.7	12.2
Turkey	2 869	3 159	10 818	13 218	5 822	3 953	2 158	262	822	988	7.9	12.6	15.6
Uruguay	347	618	910	1 041	138	883	182	228	124	189	41.2	9.9	11.8
Venezuela	1 541	1 282	8 805	10 887	213	10 229	210	539	1 548	2 982	5.3	9.5	13.2
Yemen Arab Rep.	173	245	473	876	883	15	188	5	13	18	1.3	9	1.1
Yugoslavia	1 877	2 327	3 662	4 541	2 228	888	1 408	452	670	815	5.8	4.2	3.5
Zaire	904	1 718	4 257	4 180	2 128	1 131	473	152	168	308	14.8	(NA)	(NA)
Zambia	855	1 094	1 599	1 815	975	236	449	88	144	355	10.0	9.4	22.9

Represents 360. NA Not available. ¹ Includes other types of creditors, not shown separately. ² Includes other private financial institutions. ³ Debt service payments as percent of exports.

Source: The World Bank, Washington, D.C., *World Debt Tables*, periodic.

NO. 1554. NET FLOW OF FINANCIAL RESOURCES TO DEVELOPING COUNTRIES, BY ORIGIN AND TYPE OF RESOURCE: 1970 TO 1981

[In billions of U.S. dollars. Net flow covers loans, grants, and grant-like flows minus amortization on loans. Military flows are excluded. Developing countries cover countries designated by Development Assistance Committee as developing. The DAC list differs from the UN list (see table 1516) by the inclusion of Greece, Malta, Portugal, Spain, and Yugoslavia and the exclusion of South Africa. Official development assistance covers all flows to developing countries and multilateral institutions provided by official agencies, including State and local governments, or by their executive agencies, which are administered with the promotion of economic development and welfare of developing countries as their main objective and whose financial terms are intended to be concessional in character with grant element of at least 25 percent. Other official flows cover export credits and portfolio investment from the official sector]

ORIGIN AND TYPE OF RESOURCE	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981
Development Assistance Committee countries ¹	15.9	22.4	22.5	44.8	46.5	51.8	71.2	76.0	76.2	87.9
Official development assistance	8.9	9.1	11.8	13.8	13.9	15.7	20.0	22.8	27.3	25.6
Bilateral grants ²	3.3	4.5	5.3	6.3	6.6	7.2	9.4	11.7	14.1	13.2
Bilateral loans	2.4	2.6	2.9	3.5	3.0	2.9	3.7	4.6	4.0	5.1
Multilateral contributions ³	1.3	2.0	3.4	4.0	4.4	5.6	6.9	6.5	9.2	7.3
Other official flows	1.1	3.1	3.0	3.9	4.1	3.3	5.4	2.9	5.3	8.6
Private flows at market terms	7.0	8.9	6.7	25.7	27.0	31.2	44.1	48.3	41.3	53.8
Direct investment	3.7	4.7	1.1	10.3	7.5	9.5	10.9	12.7	9.6	14.8
Private export credits	2.2	7	1.8	3.5	6.2	8.3	9.9	10.0	12.6	10.4
Portfolio investment	1.2	3.5	3.8	11.9	13.3	13.4	23.3	25.5	19.2	28.5
Private voluntary agencies	.9	1.4	1.2	1.3	1.4	1.5	1.7	2.0	2.4	2.0
Organization of Petroleum Exporting Countries ⁴	.8	2.2	5.2	7.4	7.3	6.7	9.0	8.1	10.7	9.9
Official development assistance	.4	2.0	4.3	5.8	5.6	5.5	7.9	6.8	8.6	8.9
Other official flows	.2	1	.9	1.6	1.7	1.2	1.2	1.2	2.1	3.0
Centrally-planned economies ⁵	1.1	1.5	1.4	.8	1.2	1.2	1.3	(NA)	(NA)	(NA)
Official development assistance	1.0	1.4	1.3	.7	1.1	1.1	1.2	1.6	2.2	2.1
Other official flows	.1	1	.1	1	1	1	1	(NA)	(NA)	(NA)
Total net flow to developing countries, by DAC Country ¹	15.9	22.4	22.5	44.8	46.5	51.8	71.2	76.0	76.2	87.9
United States	6.4	8.0	4.5	17.7	12.4	12.4	16.2	18.8	13.9	26.4
Official development assistance	3.2	2.7	3.7	4.2	4.4	4.7	5.7	4.7	7.1	5.8
Bilateral grants ²	1.4	1.4	1.7	1.7	1.7	1.7	2.1	2.5	3.0	3.2
Bilateral loans	1.3	.9	.8	1.2	1.2	1.2	1.4	1.6	1.4	1.2
Multilateral contributions ³	.5	.3	1.1	1.2	1.5	1.8	2.2	.6	2.8	1.5
Other official flows	1	.5	.8	.9	.8	.8	1.3	1.1	1.1	.9
Private flows at market terms	2.5	2.0	-.7	11.8	6.4	6.2	6.3	12.0	4.3	18.7
Direct investment	1.9	.9	2.2	7.2	3.1	4.9	5.6	6.0	3.4	6.5
Private export credits and portfolio investment	.6	1.1	1.5	4.6	3.3	1.3	2.7	4.0	.9	12.2
Private voluntary agencies	.8	.9	.7	.8	.8	.8	.9	1.0	1.3	1.0
Australia	.4	.4	.6	.6	.5	.6	.7	.9	.9	.8
Austria	.1	.1	.2	.2	.4	.5	.5	.3	.3	.4
Belgium	.3	.5	.6	.9	1.2	1.3	2.8	2.3	2.9	2.8
Canada	.6	1.1	1.7	2.0	2.3	2.3	2.4	2.3	3.5	4.1
Denmark	.1	.2	.2	.3	.5	.5	.7	.8	.8	.9
Finland	(Z)	(Z)	.1	.1	.1	.1	.1	.2	.2	.2
France	1.8	2.8	3.4	3.9	5.3	6.2	7.9	8.6	11.6	11.5
Germany, Fed. Rep. of	1.5	1.8	3.2	5.0	5.5	6.1	7.6	7.3	10.6	8.1
Italy	.7	.8	.4	1.6	1.5	2.0	3.2	4.1	4.0	3.7
Japan	1.8	5.8	3.0	2.8	4.0	5.6	10.7	7.6	6.8	12.2
Netherlands	.4	.8	.9	1.3	1.7	2.1	2.7	2.0	2.4	2.2
New Zealand	(Z)	(Z)	.1	.1	.1	.1	.1	.1	.1	.1
Norway	.1	.1	.2	.3	.5	.5	.6	.8	.9	.7
Sweden	.2	.4	.6	.8	1.1	1.6	1.3	1.2	1.9	1.5
Switzerland	.1	.3	.4	.7	1.4	3.9	3.7	5.0	2.7	2.1
United Kingdom	1.3	1.8	2.6	8.6	8.1	7.1	9.9	13.7	12.9	10.1

NA Not available. Z Less than \$50 million. ¹ Includes flows to OPEC countries (see footnote 4). Comprised as donors Australia, Austria, Belgium, Canada, Denmark, Finland, France, Federal Republic of Germany, Italy, Japan, Netherlands, New Zealand, Norway, Sweden, Switzerland, United Kingdom, and United States. ² Includes "grant-like" flows (i.e., loans repayable in recipients' currencies). ³ Includes capital subscriptions to multilateral organizations in the form of demand instruments as of date of issue. ⁴ Algeria, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela. ⁵ Bulgaria, Czechoslovakia, German Democratic Republic, Hungary, Poland, Romania, and Soviet Union.

NO. 1555. PER CAPITA PUBLIC AND PRIVATE AID TO DEVELOPING COUNTRIES: 1980 AND 1981

[In dollars. See headnote, table 1554. Private aid figures exclude government subsidies to voluntary agencies. Countries are ranked by per capita gross national product in 1981. Z = Less than 50 cents]

COUNTRY	OFFICIAL DEVELOPMENT ASSISTANCE		PRIVATE VOLUNTARY AID		COUNTRY	OFFICIAL DEVELOPMENT ASSISTANCE		PRIVATE VOLUNTARY AID	
	1980	1981	1980	1981		1980	1981	1980	1981
Switzerland	40	37	10	9	Finland	23	28	3	3
Norway	119	114	8	9	Belgium	60	58	5	4
Sweden	116	110	7	7	Netherlands	115	106	6	6
United States	31	25	6	4	Japan	29	27	(Z)	(Z)
Canada	45	49	4	4	United Kingdom	33	39	2	2
Germany, Fed. Rep.	58	52	7	6	Austria	24	42	3	3
Denmark	82	79	3	2	New Zealand	23	21	2	2
France	77	77	1	1	Italy	12	12	(Z)	(Z)
Australia	45	43	3	2					

Z Less than 50 cents.

Source of tables 1554 and 1555: Organisation for Economic Co-operation and Development, Paris, France, unpublished data.

APPENDIX I

Historical Series-Index to Tables In Which *Historical Statistics Series* Appear

[The most recent historical supplement to the *Statistical Abstract* is the bicentennial edition, *Historical Statistics of the United States, Colonial Times to 1970* (see inside back cover). Listed below are statistical time series (identified by number) appearing in this edition, for which tables in the *Statistical Abstract* present comparable figures. Historical series are listed only where related or comparable data are available for one or more years later than 1970. In a few instances, it may be necessary to combine figures shown in the *Abstract* to obtain totals comparable to the series shown in *Historical Statistics*.]

Historical Statistics series	1982 Abstract table number	Historical Statistics series	1982 Abstract table number	Historical Statistics series	1982 Abstract table number	Historical Statistics series	1982 Abstract table number
A		C—Con.		F—Con.		H—Con.	
A 6-8.....	2	C 120-142.....	132	F 297-348.....	704	H 774.....	1031
A 9-22.....	5	C 143-157.....	129	F 480-527.....	903	H 776-780.....	1031
A 23-25.....	27	C 144.....	139	F 528-534.....	1348	H 783-789.....	81
A 29-41.....	27	C 149-157.....	143	F 552-565.....	706	H 806-828.....	366
A 43-72.....	23	C 158-160.....	139	F 566-594.....	707	H 829-835.....	391
A 73-90.....	24	C 162-167.....	147			H 862-864.....	400
A 105-118.....	42	C 168.....	146	G		H 865-870.....	401
A 119-134.....	31	C 169-179.....	148	G 1-8.....	713	H 871.....	400
A 135-142.....	42	C 180.....	146	G 16-23.....	713	H 872.....	401
A 143-149.....	28	C 195-295.....	43	G 31-138.....	719	H 874.....	400
A 158-159.....	124	C 296-331.....	413	G 179-188.....	717	H 875-876.....	398
A 160-171.....	47			G 190-192.....	713	H 877.....	400
A 172.....	10	D		G 197-199.....	713	H 878-893.....	394
A 195-198.....	10	D 11-19.....	625	G 205-256.....	722	H 899-920.....	410
A 197-198.....	37	D 29-41.....	627	G 257-268.....	724	H 921-940.....	412
A 199-201.....	36	D 42-48.....	626	G 416-469.....	695	H 946-951.....	411
A 204-209.....	32	D 49-62.....	639	G 851-856.....	204	H 952-961.....	287
A 210-263.....	338	D 65-86.....	625	G 881-915.....	203	H 971-978.....	295
A 264-275.....	16	D 87-101.....	856			H 979-986.....	121
A 276-287.....	17	D 116-126.....	647	H		H 987-996.....	300
A 288-319.....	60	D 127-141.....	659	H 1-47.....	513	H 999-1011.....	303
A 320-334.....	65	D 142-151.....	661	H 51-56.....	522	H 1012-1027.....	308
A 335-349.....	61	D 162-232.....	648	H 57-69.....	523	H 1028-1082.....	313
A 353-358.....	70	D 233-682.....	651	H 115-124.....	540	H 1083-1078.....	315
A 359-371.....	78	D 689-704.....	663	H 125-171.....	521	H 1079-1096.....	316
B		D 739-764.....	684	H 172-185.....	525	H 1097-1111.....	318
B 1-5.....	64	D 802-810.....	661	H 186-196.....	522	H 1112-1118.....	317
B 5-10.....	86	D 818-829.....	678	H 197-229.....	529	H 1119-1124.....	323
B 11.....	85	D 877-892.....	661	H 238-242.....	528	H 1135-1140.....	326
B 12-20.....	66	D 893-904.....	664	H 245-259.....	531	H 1155-1167.....	336
B 20-27.....	87	D 918-919.....	169	H 262-270.....	534	J	
B 28-35.....	97	D 921-926.....	605	H 271-286.....	536	J 1-2.....	339
B 49-66.....	94	D 933-934.....	680	H 305-317.....	553	J 3-6.....	360
B 107-115.....	105	D 946-951.....	680	H 332-345.....	546	J 8.....	365
B 116-125.....	108	D 970-976.....	684	H 346-354.....	555	J 10-15.....	364
B 136-147.....	111	D 977-1021.....	685	H 355-367.....	554	J 16-19.....	367
B 142.....	64	D 1022-1028.....	658	H 392-397.....	551	J 26-32.....	364
B 149-166.....	113	E		H 398-411.....	588	J 33-34.....	1233
B 163-165.....	119	E 1-22.....	747	H 413-417.....	209	J 41-42.....	366
B 167-173.....	108	E 23-29.....	751	H 420.....	234	J 50-65.....	1154
B 181-192.....	108	E 73-86.....	750	H 421-429.....	212	J 66.....	379
B 214-220.....	124	E 123-134.....	753	H 442-476.....	221	J 71.....	379
B 221-235.....	151	E 135-173.....	757	H 487-507.....	234	J 76.....	379
B 222-232.....	152	E 203-211.....	771	H 513-519.....	213	J 85-91.....	1152
B 248-261.....	150			H 520-530.....	234	J 92-103.....	344
B 262-272.....	157	F		H 531-534.....	239	J 110-136.....	366
B 275-290.....	162	F 5.....	680	H 535-544.....	237	J 164-267.....	366
B 291-303.....	168	F 8-9.....	692	H 572-581.....	264	J 268-278.....	367
B 305-318.....	173	F 10-16.....	606	H 587-597.....	253	K	
B 331-344.....	173	F 17-30.....	694	H 598-601.....	258	K 1-3.....	1134
B 359-362.....	176	F 31.....	696	H 602-617.....	226	K 4-7.....	1140
B 384-387.....	179	F 32-70.....	689	H 689-688.....	229	K 16.....	1160
B 401-412.....	160	F 130-143.....	693	H 689.....	209	K 17-61.....	1137
B 413-422.....	173	F 144-162.....	692	H 690-692.....	262	K 62-113.....	1146
C		F 163-185.....	699	H 689-705.....	260	K 142-146.....	1145
C 1-10.....	44	F 192-209.....	700	H 705.....	262	K 162-173.....	1142
C 76-78.....	1134	F 226-237.....	701	H 710.....	260	K 174-181.....	1186
C 89.....	128	F 282-286.....	703	H 716-736.....	270	K 184-191.....	1187
C 89-119.....	130			H 747-749.....	270		
				H 751-763.....	277		
				H 767-771.....	1031		

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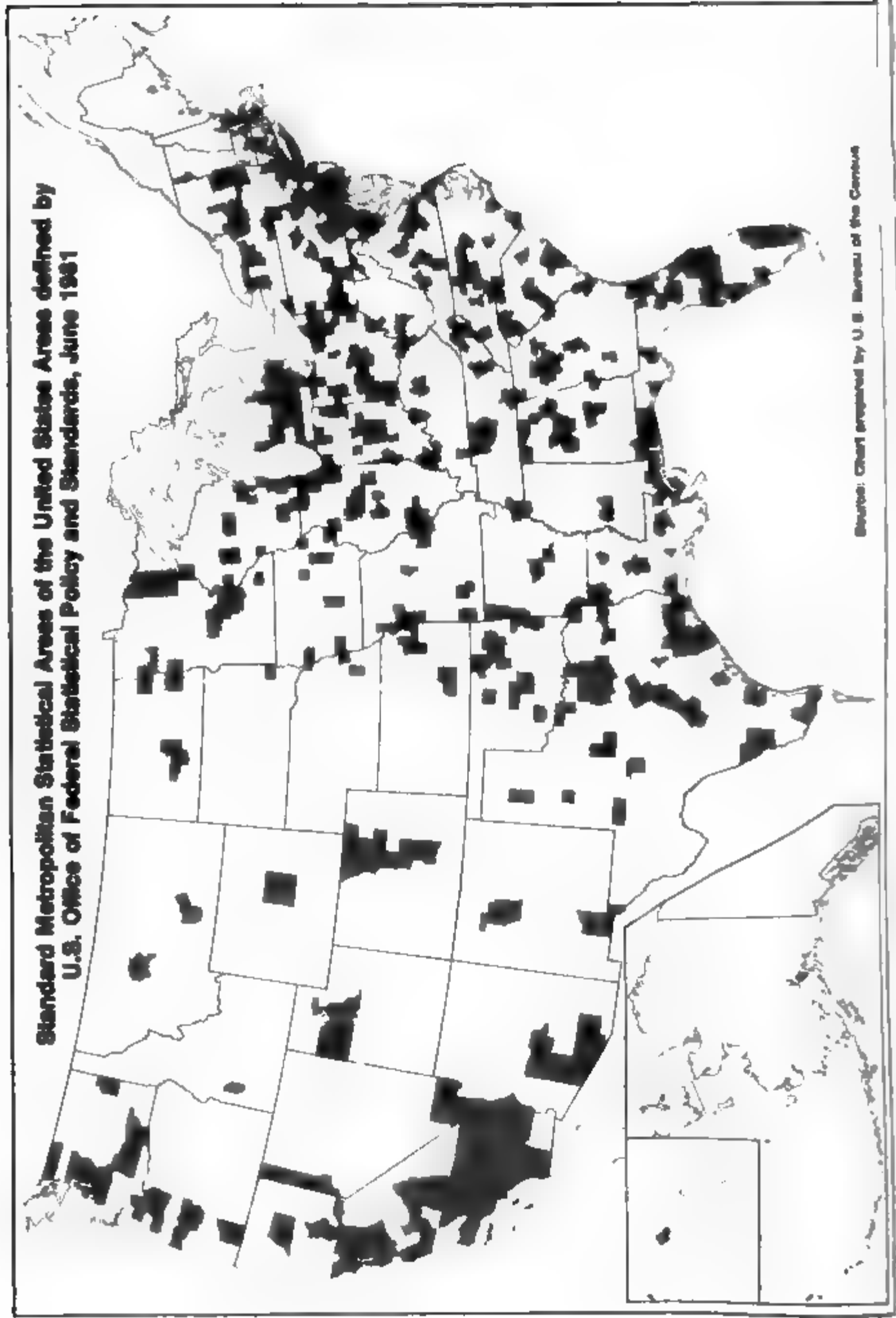
(See headnote, p. 891)

Historical Statistics series	1982 Abstract table number	Historical Statistics series	1982 Abstract table number	Historical Statistics series	1982 Abstract table number	Historical Statistics series	1982 Abstract table number
K—Con.		M—Con.		Q		T—Con.	
K 192.	1186	M 38-53	1276	Q 1-22	1044	T 15-28	1436
K 193	1185	M 58-71	1275	Q 36-42	1043	T 43-47	1437
K 195-203	1179	M 76-92	971	Q 50	1048	T 79-196	1448
K 204-219	1181	M 93-126	1307	Q 55	1048	T 197-219	1441
K 220-239	1162	M 127	986	Q 69-75	1063	T 245-271	1439
K 251-255	1193	M 128	985	Q 80-94	1054	T 274-287	1455
K 256-258	1167	M 138-142	1294	Q 136-147	1057	T 280-371	1457
K 259-260	1168	M 143-146	1306	Q 148-155	1060	T 375-383	1454
K 261-263	1167	M 147-161	1305	Q 156-182	1072	T 391-401	1460
K 264-265	1168	M 162-177	1296	Q 183-174	1064	T 444-471	985
K 266-302	1169	M 178	1294	Q 199-207	1071	T 472-484	982
K 326-329	1168	M 181	1294	Q 208	1061		
K 330-343	1176	M 188-189	1308	Q 224-232	1061	U	
K 344-353	1172	M 190	1308	Q 233-234	1066	U 1-25	1468
K 356-360	1162	M 191-192	1309	Q 238-250	1060	U 26-39	1468
K 361-367	1164	M 193	1308	Q 264-312	1068	U 41-46	1475
K 376-380	1164	M 194	1308	Q 301-305	1064	U 47-74	1471
K 407-413	1190	M 195-199	1312	Q 313-315	1069	U 75-186	1477
K 414-429	1191	M 201-202	1311	Q 319	1060	U 190-195	1482
K 430-444	1190	M 203-204	1310	Q 330	1068	U 207-212	1480
K 445-485	1192	M 205-211	1314	Q 332	1062	U 225-248	1485
K 486-495	1186	M 225-226	1321	Q 356-363	1068	U 249-263	1486
K 496-499	1199	M 227-228	1317	Q 364-366	1067	U 264-273	1483
K 502-505	1204	M 231-234	1319	Q 367-377	1068	U 274-294	1490
K 506-563	1200	M 235-241	1316	Q 378	1067	U 295-316	1491
K 559-560	1406	M 242-249	1313	Q 385-387	1065	U 317-352	1489
K 561-563	1216	M 249-250	1323	Q 388-399	1064		
K 564-569	1224	M 256-257	1324	Q 400-401	1065	V	
K 575-582	1226	M 258-262	1325	Q 414-416	1129	V 1-12	875
K 583-594	1225	M 266-267	1322	Q 438-448	1124	V 20-30	887
K 596-608	1228	M 268-269	1315	Q 449-456	1126	V 21-24	886
K 609-623	1230	M 271-286	1282	Q 467-472	1127	V 38	893
K 611	1231			Q 473-480	1131	V 42-53	878
K 614	1231			Q 487-502	1125	V 78-107	912
K 617	1231			Q 507-517	1122	V 108-127	900
K 621	1231			Q 524-529	1119	V 129-136	898
		N		Q 530-541	1113	V 137	443
		N 1-29	1332	Q 558	1115	V 141-186	892
L		N 68-89	1332	Q 573	1106	V 167-183	901
L 10-14	1232	N 78-100	1335	Q 577-590	1099	V 182-196	443
L 15-31	1233	N 118-137	1330	Q 591-603	1098	V 197-212	908
L 32-43	1238	N 140-155	1331	Q 604-623	1102	V 306-332	907
L 44-55	1237	N 158-163	1340	Q 624-633	1099		
L 72-86	1239	N 188-191	1363			W	
L 87-87	1240	N 200-223	1348	R		W 14	882
L 98-112	1244	N 238-245	1357	R 1-16	939	W 17	882
L 113-121	1245	N 249-258	1365	R 17-30	936	W 19	882
L 122-137	1244	N 266-267	843	R 31-45	937	W 22-25	883
L 138-150	1246	N 273	842	R 46-70	935	W 30-54	882
L 151-165	1248	N 276	842	R 75-88	935	W 62-65	882
L 166	1249	N 291-297	1373	R 106-122	942	W 67-81	1180
L 168	1249	N 300	839	R 123-139	941	W 82-96	889
L 169-170	1252	N 302-307	1268	R 140-146	943	W 98-106	885
L 172	1250			R 163-171	928	W 109-125	1012
L 174	1250			R 172-186	931	W 126	1013
L 175	1253			R 187	930	W 142	1015
L 176-177	1254			R 188-191	932	W 144-160	1016
L 178-191	1250			R 191-216	957	W 167	1025
L 192-198	1251			R 218-223	952		
L 199-205	1242	P		R 224-231	955	X	
L 206-210	1241	P 1-12	1377	R 232-243	951	X 64-105	817
L 212-223	1243	P 13	1379			X 114-147	814
L 224-226	1255	P 16-39	1378	S		X 192	813
L 227-228	1271	P 58-67	1362	S 1-14	970	X 229	813
L 229	1255	P 74-92	1384	S 32-52	992	X 410-417	899
L 230-236	1271	P 93-106	920	S 71-82	992	X 423	897
L 236-253	1267	P 107-122	1389	S 85-107	992	X 444-453	892
L 254-261	1256	P 177-180	1399	S 133-146	999	X 454-455	893
L 262-293	1267	P 205-211	1386	S 160-175	1006	X 474-491	895
L 294-304	1263	P 227	1402	S 180-204	1002	X 492-498	897
L 305-310	1259	P 228	1407	S 205-218	1001	X 499-500	898
L 312-318	1272	P 229-230	1404			X 505-508	898
L 321-337	1262	P 233-234	1222	T		X 517-530	899
L 338-358	1269	P 235	1402	T 1-14	1436	X 536-539	892
L 362-365	1270	P 235a	1402				
		P 238-241	1403				
M		P 242-243	1411				
		P 248-249	1414				
		P 251	1414				
	1279	P 260-261	1412				
	1285	P 265-269	1480				

Historical Series—Index to Tables in Which *Historical Statistics* Series Appear—Continued

[See headnote, p 891]

<i>Historical Statistics</i> series	1982 <i>Abstract</i> table number	<i>Historical Statistics</i> series	1982 <i>Abstract</i> table number	<i>Historical Statistics</i> series	1982 <i>Abstract</i> table number	<i>Historical Statistics</i> series	1982 <i>Abstract</i> table number
X—Con.		X—Con		Y—Con.		Y—Con.	
X 551-580	844	X 908-917	866	Y 199-203	780	Y 461.....	444
X 588-609	826	X 918.....	871	Y 204-210	788	Y 466-487	421
X 687-688	833	X 923.....	871	Y 211-214	786	Y 493-494	444
X 716-724	822	X 928.....	871	Y 220-271	785	Y 497.....	446
X 717-721	627	X 933.....	871	Y 272-307	500	Y 500-504	446
X 741.....	825	X 940.....	871	Y 308-317	454	Y 505-637	468
X 748.....	825	X 957-982	869	Y 318-331	456	Y 638-651	471
X 756.....	825			Y 335-338	420	Y 652-848	468
X 761.....	825	Y		Y 339-342	414	Y 856-903	599
X 796-805	819			Y 343-351	418	Y 904-916	582
X 821-833	833			Y 356-373	430	Y 943-956	612
X 834-844	835	Y 79-83.....	776	Y 381-392	442	Y 957-970	610
X 864-878	837	Y 84-134	777	Y 393-411	432	Y 971-983	615
X 879-889	864	Y 135-166	778	Y 412-439	437	Y 998-999	616
X 890-907	863	Y 169-196	789	Y 456-460	574	Y 1010-1027	620



APPENDIX II

Metropolitan Area Concepts and Components

Statistics for metropolitan areas shown in the *Statistical Abstract* represent areas designated by the U.S. Office of Management and Budget (OMB) as standard metropolitan statistical areas (SMSA's). Definitions of the SMSA's in terms of their geographic components are presented in Office of Management and Budget (OMB), *Standard Metropolitan Statistical Areas*, 1975, Revised Edition; *Statistical Reporter*, October 1981 issue; and the *Federal Register*, January 3, 1980 (part 6) "Official Standards Followed in Establishing Metropolitan Statistical Areas." OMB issues amendments to update this information when changes in SMSA definitions are made.

The list of areas, their components, and population totals, which follows (see p. 898), refers to the SMSA definitions in effect on June 30, 1981. On that date, there were 323 SMSA's (including 5 in Puerto Rico). The figures in tables A, B, and C below (see p. 896), exclude the 5 areas in Puerto Rico.

The general concept of a metropolitan area is one of a large population nucleus, together with adjacent communities which have a high degree of economic and social integration with that nucleus. Standard definitions of metropolitan statistical areas were first issued by the then Bureau of the Budget (predecessor of OMB) in 1949, under the designation "Standard Metropolitan Areas"; the present designation was adopted in 1959. From 1977 to 1981, the SMSA's were the responsibility of the Office of Federal Statistical Policy and Standards, Department of Commerce.

The criteria for the establishment and definition of SMSA's were modified in 1958, 1971, and 1975. The current standards were adopted in January 1980; they provide that each SMSA must include at least:

- (a) One city with 50,000 or more inhabitants, or
- (b) A Census Bureau-defined urbanized area of at least 50,000 inhabitants and a total SMSA population of at least 100,000 (75,000 in New England).

The standards provide that the SMSA include as "central county(ies)" the county in which the central city is located, and adjacent counties, if any, with at least 50 percent of their population in the urbanized area. Additional "outlying counties" are included if they meet specified requirements of commuting to the central counties and of metropolitan character (such as population density and percent urban). In New England the SMSA's are defined in terms of cities and towns rather than counties.

The standards adopted in 1980 were used to define a group of 36 new SMSA's in June 1981; the Rapid City, S. Dak. SMSA was abolished at that time. The boundaries of these and the other SMSA's that existed on January 1, 1980 will be reviewed under the new standards after 1980 commuting data become available, beginning in 1982.

Revised 1980 standards for determining central cities and titles will be implemented as part of the 1982 review. Meanwhile, following the pre-1980 criteria, the largest city in each SMSA is designated a "central city"; in addition there may be up to two additional central cities if specified requirements are met. With two exceptions the title of each SMSA consists of the name(s) of its central city(ies) and the name of each State into which the SMSA extends (the Nassau-Suffolk, NY SMSA has no central cities; the central cities of the Northeast Pennsylvania SMSA are Scranton, Wilkes-Barre, and Hazleton). An SMSA may include other cities of 50,000 or more besides its central cities.

In 1982 the second edition of the *State and Metropolitan Area Data Book* was released. This publication presents a variety of statistical information for SMSA's and their component counties, reflecting the 1981 definitions of SMSA's.

New England SMSA's and NECMA's. Because SMSA's in New England are defined in terms of cities and towns, rather than counties, some statistical data that are available only for counties cannot be compiled for individual New England SMSA's. Therefore, for New England areas, data are shown for both New England County Metropolitan Areas (NECMA's) and SMSA's wherever possible. The NECMA's provide a county version of the New England areas defined following criteria identical to those used to define SMSA's in the other States. NECMA's do not replace New England SMSA's as the standard areas.

Standard Consolidated Statistical Areas.—Standard consolidated statistical areas (SCSA's), defined under criteria adopted by OMB in August 1975 and revised in January 1980, include two or more contiguous SMSA's which meet certain criteria of size, urban character, integration, and contiguity of urbanized areas.

Effect of changes in SMSA definition.—Changes in the definitions of SMSA's since 1949 have consisted chiefly of (1) the recognition of new areas as, for example, cities reached 50,000 population; and (2) the addition of counties (or towns in New England) to existing SMSA's as new census data showed them to qualify. Also, several formerly separate SMSA's have been merged, and occasionally territory has been transferred from one SMSA to another or (in rare instances) from a SMSA to nonmetropolitan territory. Comparisons of SMSA figures over time may be affected in cases where the SMSA definitions were changed. To maintain comparability, data for an earlier period have been revised in this volume where possible, to reflect the SMSA boundaries of the more recent period. However, this could not always be done; for data based on a sample survey, in particular, it is usually not possible to revise the data to reflect changes in SMSA definitions that occurred after the survey was made.

In the three tables that follow, data are given for SMSA's as defined for specified dates, thereby indicating the extent of change in population and land area resulting from revisions in definitions.

TABLE A. NUMBER, POPULATION, AND LAND AREA OF SMSA'S AS DEFINED AT SPECIFIED DATES: 1940 TO 1980

[The differences in population shown here for each year in the successive columns of the table result entirely from net expansion of metropolitan territory through changes in the SMSA definitions. The differences in population shown for each SMSA definition (on the successive lines of the table) result entirely from population changes within that territory, unaffected by changes in SMSA definitions. The changes in 1970 land area result entirely from net expansion of SMSA territory. All data include Alaska and Hawaii and exclude Puerto Rico. Subtraction of any line of the table from the line below will show the net effect of change in population and land area undergone by the SMSA's as the result of changes in definitions between the specified dates. Such changes typically occurred throughout the period, not on any single date, and may have included subtractions from, as well as additions to, SMSA territory. Census population data for 1970 include corrections made since publication. The area data for the 1950 and 1980 census definitions of SMSA's differ from the data published in those censuses because they are based on a remeasurement of land areas made during the 1960's, and also reflect changes in inland water area occurring up to 1970.]

SMSA DEFINITION AS OF—	Number of SMSA's	POPULATION					Land area, 1970 (sq. mi.)
		1940, Apr. 1	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1980, Apr. 1	
1950 census (Mar. 1952)	169	¹ 69,534,737	² 84,853,700	106,344,548	122,184,836	128,839,422	207,455
1960 census (Nov. 1960)	212	³ 72,844,551	89,316,903	⁴ 112,885,139	130,982,661	140,793,427	308,899
1964 (Aug. 31) ⁵	217	74,869,415	91,644,188	115,876,343	134,700,913	145,503,863	348,557
1968 (Jan. 31) ⁶	230	76,408,154	93,829,988	118,413,604	137,976,254	149,811,057	378,322
1970 census (Feb. 28, 1971)	243	77,154,871	94,579,008	⁷ 119,593,496	⁸ 139,479,808	151,662,221	⁹ 387,588
1974 (Apr. 30) ¹⁰	265	¹¹ 82,037,746	¹² 100,219,707	¹³ 126,613,710	148,198,993	162,753,335	491,085
1977 (Dec. 31) ¹⁴	277	82,804,912	101,109,145	127,674,818	149,482,684	164,383,496	510,445
1980 census (June 30, 1981)	318	85,398,406	104,172,853	131,318,714	153,693,767	169,430,623	¹⁵ 566,148

¹Corresponds to total 1940 population for 1950 SMSA's published in 1950 census (69,279,675), with addition of Honolulu SMSA, and corrected by subtracting population (3,194) of Colonial Heights town erroneously included in Richmond SMSA. ²Corresponds to total SMSA population for 1950 published in 1950 census (84,500,680) plus Honolulu SMSA. ³Corresponds to total 1940 population for 1960 SMSA's published in 1960 census (72,834,468), corrected by adding population (13,277) erroneously omitted from Stamford SMSA (remainder of Stamford town), and subtracting population (3,194) of Colonial Heights town erroneously included in Richmond SMSA. ⁴Corresponds to total SMSA population for 1960 published in 1960 census (112,885,178), corrected by subtracting population (39) erroneously included in Franklin County, Ohio (Columbus SMSA). ⁵SMSA's as defined for the 1963 economic censuses. ⁶SMSA's as defined for the 1967 economic censuses. ⁷Corresponds to total 1960 population for 1970 SMSA's published in 1970 census (119,594,754), corrected by subtracting 1,256 population from Lawrence-Haverhill SMSA; this represented an addition to the 1960 population of Andover town made subsequent to the original census tabulations, and therefore not reflected in State or national totals. ⁸Corresponds to total SMSA population for 1970 published in 1970 census (139,418,811), plus net corrections made subsequent to publication. ⁹Corresponds to total SMSA land area published in 1970 census (387,616 square miles), corrected by subtracting 15 square miles erroneously included in Roanoke SMSA and 3 square miles included due to erroneous addition of area data. ¹⁰SMSA's as defined for the 1972 economic censuses. ¹¹Includes estimated 1939 population (4,429) of Anchorage Census Division, as defined in 1970. ¹²Includes estimated 1950 population (32,060) of Anchorage Census Division, as defined in 1970. ¹³Includes 1960 population (82,833) of Anchorage Census Division, as defined in 1970. ¹⁴SMSA's as defined for the 1977 economic censuses. ¹⁵Land area, 1980.

Source: U.S. Bureau of the Census, 1940-1970, *U.S. Census of Population*, vol. 1 and 1980 *Census of Population*, vol. 1, parts A and B.

TABLE B. NONMETROPOLITAN POPULATION AND LAND AREA AT SPECIFIED DATES: 1940 TO 1980

[See headnote for table A, p. 896. Nonmetropolitan population and land area are equivalent to that portion of the total national population and land area not included within SMSA's at the dates specified]

NONMETROPOLITAN POPULATION AS OF—	POPULATION					Land area, 1970 (sq. mi.)
	1940, Apr. 1	1960, Apr. 1	1960, Apr. 1	1970, Apr. 1	1980, Apr. 1	
1950 census (Mar. 1952)	62,829,832	68,472,098	72,978,627	81,117,195	97,708,383	3,329,400
1960 census (Nov. 1960)	59,320,018	62,008,895	66,438,036	72,319,370	85,752,378	3,227,198
1964 (Aug. 31)	57,295,154	59,881,610	63,446,832	68,801,118	81,041,942	3,187,298
1968 (Jan. 31)	55,756,415	57,695,812	60,909,571	65,325,777	76,734,748	3,158,533
1970 census (Feb. 28, 1971)	55,009,698	56,746,790	59,729,677	63,822,223	74,863,584	3,149,257
1974 (Apr. 30)	50,126,823	51,016,091	52,709,465	55,103,038	63,792,470	3,045,780
1977 (Dec. 31)	49,359,657	50,216,653	51,648,357	53,819,387	62,162,309	3,026,410
1980 census (June 30, 1981)	48,768,163	47,152,945	46,004,461	49,608,264	57,115,182	¹ 2,973,142

¹Land area, 1980.

Source: U.S. Bureau of the Census, 1940–1970, *U.S. Census of Population*, vol. 1; 1980 *Census of Population*, vol. 1, parts A and B.

TABLE C. PERCENT OF TOTAL U.S. POPULATION AND PERCENT OF LAND AREA INSIDE SMSA'S AS DEFINED AT SPECIFIED DATES: 1940 TO 1980

[See headnote for table A, p. 896]

PERCENT AS OF—	PERCENT OF POPULATION					Land area, 1970
	1940, Apr. 1	1960, Apr. 1	1960, Apr. 1	1970, Apr. 1	1980, Apr. 1	
1950 census (Mar. 1952)	52.6	56.1	59.3	60.1	56.9	5.9
1960 census (Nov. 1960)	55.1	59.0	63.0	64.4	62.2	8.8
1964 (Aug. 31)	56.6	60.6	64.6	66.3	64.2	9.9
1968 (Jan. 31)	57.8	61.9	66.0	67.9	66.1	10.7
1970 census (Feb. 28, 1971)	56.4	62.5	66.7	68.6	67.0	11.0
1974 (Apr. 30)	62.1	66.2	70.6	72.9	71.8	13.9
1977 (Dec. 31)	62.7	66.8	71.2	73.5	72.6	14.4
1980 census (June 30, 1981)	64.6	68.8	73.2	75.6	74.8	¹ 16.0

¹Land area, 1980.

Source: U.S. Bureau of the Census, 1940–1970, *U.S. Census of Population*, vol. 1; 1980 *Census of Population*, vol. 1, parts A and B.

APPENDIX II

Standard Metropolitan Statistical Areas as of June 30, 1961

	1960 Popu- lation ¹ (1,000)		1960 Popu- lation ¹ (1,000)		1960 Popu- lation ¹ (1,000)
Abilene, Tex.	130	Atlanta, Ga.	2,030	Binghamton, N.Y.-Pa.	301
Adair County	11	Bulls County	14	Broome County, N.Y.	24
Adams County	17	Cherokee County	52	Tioga County, N.Y.	38
Taylor County	111	Clayton County	150	Susquehanna County, Pa.	38
Albany, Ohio	680	Cobb County	298		
Portage County	136	De Kalb County	483	Birmingham, Ala.	50
Summit County	524	Douglas County	55	Jefferson County	671
Albany, Ga.	113	Fayette County	29	St. Clair County	41
Dougherty County	101	Forsyth County	26	Shelby County	38
Lee County	12	Fulton County	590	Walker County	38
Albany-Schenectady-Troy, N.Y.	796	Gwinnett County	167		
Albany County	286	Henry County	36	Bismarck, N.D.	38
Montgomery County	53	Newton County	34	Burlington County	35
Rensselaer County	162	Paulding County	26	Morton County	35
Saratoga County	154	Rockdale County	37		
Schenectady County	150	Walton County	31	Bloomington, Ind.	38
Albuquerque, N. Mex.	464			Monroe County	38
Bernalillo County	420	Atlantic City, N.J.	194		
Sandoval County	35	Atlantic County	194	Bloomington-Normal, Ill.	18
Alexandria, La.	162			McLean County	119
Grant Parish	17	Augusta, Ga.-S.C.	327		
Rapides Parish	135	Columbia County, Ga.	40	Boise City, Idaho	123
Allentown-Bethlehem- Easton Pa.-N.J.	636	Richmond County, Ga.	182	Ada County	171
Carbon County, Pa.	53	Aiken County, S.C.	106		
Lehigh County, Pa.	272			Boston, Mass.	2,702
Northampton County, Pa.	225	Austin, Tex.	537	Essex County (pt.)	38
Warren County, N.J.	84	Hays County	41	Middlesex County (pt.)	1,039
		Travis County	420	Norfolk County (pt.)	98
		Williamson County	77	Plymouth County (pt.)	15
				Suffolk County	62
Allouez, Pa.	137	Bakersfield, Calif.	403		
Blair County	137	Kern County	403	Bradenton, Fla.	16
				Manatee County	16
Amarillo, Tex.	174	Baltimore, Md.	2,174		
Potter County	99	Baltimore city	787	Bremerton, Wash.	10
Randall County	75	Anne Arundel County	371	Kitsap County	16
		Baltimore County	656		
Anaheim-Santa Ana-Garden Grove, Calif.	1,933	Carroll County	96	Bridgeport, Conn.	36
Orange County	1,933	Hartford County	146	Fairfield County (pt.)	32
Anchorage, Alaska	174	Howard County	119	New Haven County (pt.)	63
Anchorage Borough	174				
		Bangor, Maine	84	Bristol, Conn.	71
		Penobscot County (pt.)	81	Hartford County (pt.)	63
		Waldo County (pt.)	3	Litchfield County (pt.)	11
		Baton Rouge, La.	484	Brockton, Mass.	169
		Ascension Parish	50	Bristol County (pt.)	17
		East Baton Rouge Parish	366	Norfolk County (pt.)	5
		Livingston Parish	59	Plymouth County (pt.)	14
		West Baton Rouge Parish	19		
				Brownsville-Harlingen-San Benito, Tex.	38
				Cameron County	26
		Battle Creek, Mich.	187		
		Berry County	46	Bryan-College Station, Tex.	38
		Calhoun County	142	Brazos County	38
		Bay City, Mich.	120	Buffalo, N.Y.	1,366
		Bay County	120	Erie County	1,015
				Niagara County	25
		Beaumont-Port Arthur- Orange, Tex.	375		
		Hardin County	41	Burlington, N.C.	38
		Jefferson County	251	Alamance County	38
		Orange County	94		
				Burlington, Vt.	164
		Bellingham, Wash.	107	Chittenden County (pt.)	16
		Whatcom County	107	Franklin County (pt.)	3
				Grand Isle County (pt.)	1
		Benton Harbor, Mich.	171		
		Berrien County	171	Canton, Ohio	48
				Carroll County	35
		Billings, Mont.	106	Stark County	39
		Yellowstone County	106		
				Cooper, Wyo.	38
		Blount-Guthrie, Miss.	182	Natrona County	38
		Hancock County	25		
		Harrison County	156	Cedar Rapids, Iowa	107
		Stone County	10	Linn County	17

¹ As of April 1, 1960. Source: U.S. Bureau of the Census, 1960 Census of Population, vol. 1, parts A and B.

	1980 Popu- lation ¹ (1,000)		1980 Popu- lation ¹ (1,000)		1980 Popu- lation ¹ (1,000)
Champaign-Urbana-Rantoul, Ill.	188	Corpus Christi, Tex.	328	Elkhart, Ind.	137
Champaign County	188	Nueces County	288	Elkhart County	137
		San Patricio County	58		
Charleston-North Charle- ston, S.C.	430	Cumberland, Md.-W. Va.	188	Elmira, N.Y.	98
Berkeley County	95	Allegany County, Md.	81	Chemung County	98
Charleston County	277	Mineral County, W. Va.	27		
Dorchester County	58			Enid, Okla.	83
Charleston, W.Va.	270	Dallas-Forth Worth, Tex.	2,978	Garfield County	83
Kanawha County	231	Collin County	145		
Putnam County	38	Dallas County	1,557	Erie, Pa.	380
Charlotte-Gastonia, N.C.	637	Denton County	143	Erie County	280
Gaston County	163	Ellis County	60		
Mecklenburg County	404	Hood County	18	Eugene-Springfield, Oreg.	275
Union County	70	Johnson County	88	Lane County	275
Charlottesville, Va.	114	Kaufman County	39		
Albemarle County	38	Parker County	45	Evansville, Ind.-Ky.	388
Fluvanna County	10	Rockwall County	15	Gibson County, Ind.	33
Greene County	8	Tarrant County	861	Posey County, Ind.	26
Charlottesville city	40	Wise County	27	Vanderburgh County, Ind.	108
Chattanooga, Tenn.-Ga.	427	Danbury, Conn.	146	Warwick County, Ind.	41
Hamilton County, Tenn.	288	Fairfield County (pt.)	127	Henderson County, Ky.	41
Marion County, Tenn.	24	Litchfield County (pt.)	19		
Sequatchee County, Tenn.	9			Fall River, Mass.-R.I.	177
Calcoes County, Ga.	37	Danville, Va.	112	Bristol County, Mass. (pt.)	148
Dade County, Ga.	12	Pittsylvania County	66	Newport County, R.I. (pt.)	31
Walker County, Ga.	58	Danville city	46		
Chicago, Ill.	7,104	Davenport-Rock Island- Moline, Iowa-Ill.	384	Fargo-Moorhead, N. Dak.- Minn.	138
Cook County	5,254	Scott County, Iowa	100	Cass County, N. Dak.	88
Du Page County	858	Henry County, Ill.	58	Clay County, Minn.	49
Kane County	278	Rock Island County, Ill.	188		
Lake County	440	Dayton, Ohio	830	Fayetteville, N.C.	247
McHenry County	148	Greene County	130	Cumberland County	247
Will County	324	Miami County	80		
Chico, Calif.	144	Montgomery County	572	Fayetteville-Springdale, Ark.	179
Butte County	144	Pueblo County	36	Benton County	78
Cincinnati, Ohio-Ky.-Ind.	1,401	Daytona Beach, Fla.	288	Washington County	100
Clermont County, Ohio	128	Volusia County	258		
Hamilton County, Ohio	873	Decatur, Ill.	131	Fayetteville-Springdale, Ark.	179
Warren County, Ohio	99	Macon County	131	Benton County	78
Boone County, Ky.	46	Denver-Boulder, Colo.	1,821	Washington County	100
Campbell County, Ky.	83	Adams County	246		
Kenton County, Ky.	137	Arapahoe County	284	Fayetteville-Springdale, Ark.	179
Dearborn County, Ind.	34	Boulder County	180	Benton County	78
Clarksville-Hopkinsville, Tenn.-Ky.	188	Denver County	482	Washington County	100
Montgomery County, Tenn.	83	Douglas County	25		
Christian County, Ky.	87	Gilpin County	2	Fitchburg-Leominster, Mass.	180
Cleveland, Ohio	1,888	Jefferson County	372	Middlesex County (pt.)	12
Cuyahoga County	1,488	Des Moines, Iowa	338	Worcester County (pt.)	88
Geauga County	74	Polk County	303		
Lake County	213	Warren County	35	Flint, Mich.	822
Medina County	113	Detroit, Mich.	4,383	Genesee County	450
Colorado Springs, Colo.	317	Lapeer County	70	Shiawassee County	71
El Paso County	308	Livingston County	100		
Teller County	8	Macomb County	695	Florence, Ala.	138
Columbia, Mo.	108	Oakland County	1,012	Colbert County	56
Boone County	100	St. Clair County	139	Lauderdale County	81
Columbia, S.C.	416	Wayne County	2,338	Florence, S.C.	110
Lexington County	140	Dubuque, Iowa	84	Florence County	110
Richland County	270	Dubuque County	94		
Columbus, Ga.-Ala.	238	Duluth-Superior, Minn.-Wis.	267	Fort Collins, Colo.	148
Chattahoochee County, Ga.	22	St. Louis County, Minn.	222	Larimer County	148
Muscogee County, Ga.	170	Douglas County, Wis.	44		
Russell County, Ala.	47	Durham, N.C.		Fort Lauderdale-Hollywood, Fla.	1,018
Columbus, Ohio	1,088	(See Raleigh-Durham SMSA.)		Broward County	1,018
Delaware County	84	Eau Claire, Wis.	131		
Fairfield County	94	Chippewa County	52	Fort Meyers-Cape Coral, Fla.	286
Franklin County	889	Eau Claire County	79	Lee County	205
Madison County	33	El Paso, Tex.	438		
Pickaway County	44	El Paso County	480	Fort Smith, Ark.-Okla.	384
				Crawford County, Ark.	37
				Sebastian County, Ark.	85
				Le Flore County, Okla.	41
				Sequoyah County, Okla.	31
				Fort Walton Beach, Fla.	110
				Okaloosa County	110
				Fort Wayne, Ind.	383
				Adams County	30
				Allen County	284
				De Kalb County	34
				Wells County	25
				Fort Worth, Tex.	
				(See Dallas-Fort Worth SMSA.)	
				Fresno, Calif.	518
				Fresno County	518

¹ As of April 1, 1980. Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1, parts A and B.

	1980 Popu- lation ¹ (1,000)		1980 Popu- lation ¹ (1,000)		1980 Popu- lation ¹ (1,000)
Gadsden, Ala.	103	Huntington-Ashland, W.Va.-		Killeen-Temple, Tex.	26
Etowah County	103	Ky.-Ohio	311	Bell County	19
Gainesville, Fla.	151	Cabell County, W.Va.	107	Coryell County	5
Alachua County	151	Wayne County, W.Va.	45	Knoxville, Tenn.	67
Galveston-Texas City, Tex.	188	Boyd County, Ky.	58	Anderson County	6
Galveston County	188	Greenup County, Ky.	39	Blount County	7
Gary-Hammond-East Chic-		Lawrence County, Ohio	84	Knox County	32
ago, Ind.	643	Huntsville, Ala.	308	Union County	1
Lake County	523	Limestone County	48	Kokomo, Ind.	15
Porter County	120	Madison County	187	Howard County	17
Gastonia, N.C.		Marshall County	88	Tipton County	17
(See Charlotte-Gastonia		Indianapolis, Ind.	1,187	La Crosse, Wis.	9
SMSA.)		Boone County	36	La Crosse County	1
Glens Falls, N.Y.	110	Hamilton County	82	Lafayette, La.	18
Warren County	55	Hancock County	44	Lafayette Parish	13
Washington County	55	Hendricks County	70	Lafayette-West Lafayette,	
Grand Forks, N.Dak.-Minn.		Johnson County	77	Ind.	18
Grand Forks County,	181	Marion County	785	Tippecanoe County	12
N.Dak.	66	Morgan County	52	Lake Charles, La.	17
Polk County, Minn.	35	Shelby County	40	Calcasieu Parish	17
Grand Rapids, Mich.	682	Iowa City, Iowa	82	Lakeland-Winter Haven, Fla.	
Kent County	445	Johnson County	82	Polk County	32
Ottawa County	157	Jackson, Mich.	151	Lancaster, Pa.	32
Great Falls, Mont.	81	Jackson County	151	Lancaster County	32
Cascade County	81	Jackson, Miss.	288	Lansing-East Lansing, Mich.	
Greeley, Colo.	123	Hinds County	251	Clinton County	3
Weld County	123	Rankin County	89	Easton County	5
Green Bay, Wis.	175	Jacksonville, Fla.	728	Ingham County	24
Brown County	175	Baker County	15	Ionia County	2
Greensboro-Winston-		Clay County	67	Laredo, Tex.	18
Salem-High Point, N.C.	827	Duval County	571	Webb County	18
Davidson County	113	Nassau County	33	Las Cruces, N.M.	11
Forsyth County	244	St. Johns County	51	Dona Ana County	5
Gulford County	317	Jacksonville, N.C.	113	Las Vegas, Nev.	43
Randolph County	82	Onslow County	113	Clark County	43
Stokes County	33	Janeville-Beloit, Wis.	138	Lawrence, Kans.	18
Yadkin County	28	Rock County	138	Douglas County	18
Greenville-Spartanburg, S.C.		Jersey City, N.J.	557	Lawrence-Haverhill, Mass.-	
Greenville County	588	Hudson County	557	N.H.	28
Pickens County	79	Johnson City-Kingsport-		Essex County, Mass. (pt.)	25
Spartanburg County	202	Bristol, Tenn.-Va.	434	Rockingham County, N.H.	5
Hagerstown, Md.	113	Carter County, Tenn.	50	Lawton, Okla.	12
Washington County	113	Hawkins County, Tenn.	44	Comanche County	12
Hamilton-Middletown, Ohio		Sullivan County, Tenn.	144	Leakston-Auburn, Maine	
Butler County	258	Union County, Tenn.	16	Androscoggin County (pt.)	7
Harrisburg, Pa.	447	Washington County, Tenn.	89	Lexington-Fayette, Ky.	38
Cumberland County	179	Bristol city, Va.	19	Bourbon County	15
Dauphin County	232	Scott County, Va.	25	Clerk County	3
Perry County	38	Washington County, Va.	46	Fayette County	284
Hartford, Conn.	728	Johnstown, Pa.	285	Jessamine County	25
Hartford County (pt.)	801	Cambria County	183	Scott County	22
Litchfield County (pt.)	5	Somerset County	81	Woodford County	18
Middlesex County (pt.)	27	Joplin, Mo.	128	Lima, Ohio	38
New London County (pt.)	8	Jasper County	87	Allen County	112
Tolland County (pt.)	85	Newton County	41	Auglaize County	43
Hickory, N.C.	130	Kalamazoo-Portage, Mich.	279	Putnam County	33
Alexander County	25	Kalamazoo County	212	Van Wert County	38
Catawba County	105	Van Buren County	87	Lincoln, Neb.	188
Honolulu, Hawaii	783	Kankakee, Ill.	103	Lancaster County	188
Honolulu County	783	Kankakee County	103	Little Rock-North Little	
Houston, Tex.	2,805	Kansas City, Mo.-Kans.	1,327	Rock, Ark.	386
Brazoria County	170	Cass County, Mo.	51	Putaski County	341
Fort Bend County	131	Clay County, Mo.	138	Saline County	53
Harris County	2,410	Jackson County, Mo.	829		
Liberty County	47	Platte County, Mo.	48		
Montgomery County	128	Ray County, Mo.	21		
Walker County	20	Johnson County, Kans.	270		
		Wyandotte County, Kans.	172		
		Kenosha, Wis.	123		
		Kenosha County	123		

¹ As of April 1, 1980. Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1, parts A and B.

	1980 Popu- lation ¹ (1,000)		1980 Popu- lation ¹ (1,000)		1980 Popu- lation ¹ (1,000)
Champaign-Urbana-Rantoul, Ill.	168	Corpus Christi, Tex.	328	Elkhart, Ind.	137
Champaign County	168	Nueces County	268	Elkhart County	137
		San Patricio County	56		
Charleston-North Charles- ton, S.C.	438	Cumberland, Md.-W. Va.	108	Elmira, N.Y.	98
Berkeley County	95	Allegany County, Md.	81	Chemung County	98
Charleston County	277	Mineral County, W. Va.	27		
Dorchester County	59			Enid, Okla.	83
Charleston, W. Va.	270	Dallas-Forth Worth, Tex.	2,978	Garfield County	83
Kanawha County	231	Collin County	145		
Putnam County	38	Dallas County	1,557	Erie, Pa.	280
		Denton County	143	Erie County	280
Charlotte-Gastonia, N.C.	637	Ellis County	60		
Gaston County	183	Hood County	18	Eugene-Springfield, Oreg.	275
Mecklenburg County	404	Johnson County	88	Lane County	275
Union County	70	Kaufman County	39		
		Parker County	45	Evansville, Ind.-Ky.	308
Charlottesville, Va.	114	Rockwall County	15	Gibson County, Ind.	33
Albemarle County	56	Tarrant County	861	Posey County, Ind.	26
Fluvanna County	10	Wise County	27	Vanderburgh County, Ind.	188
Greene County	6			Warrick County, Ind.	41
Charlottesville city	40	Danbury, Conn.	148	Henderson County, Ky.	41
		Fairfield County (pt.)	127		
Chattanooga, Tenn.-Ga.	427	Litchfield County (pt.)	19	Fall River, Mass.-R.I.	177
Hamilton County, Tenn.	288			Bristol County, Mass. (pt.)	148
Marion County, Tenn.	24	Danville, Va.	112	Newport County, R.I. (pt.)	31
Sequatchee County, Tenn.	9	Pittsylvania County	86		
Caloosa County, Ga.	37	Danville city	48	Fargo-Moorhead, N. Dak.- Minn.	128
Dade County, Ga.	12	Davenport-Rock Island- Moline, Iowa-Ill.	384	Cass County, N. Dak.	88
Walker County, Ga.	58	Scott County, Iowa	160	Clay County, Minn.	48
		Henry County, Ill.	58		
Chicago, Ill.	7,184	Rock Island County, Ill.	188	Fayetteville, N.C.	247
Cook County	5,254			Cumberland County	247
Du Page County	859	Dayton, Ohio	838		
Kane County	278	Greene County	130	Fayetteville-Springdale, Ark.	178
Lake County	440	Miami County	90	Benton County	78
McHenry County	148	Montgomery County	572	Washington County	100
Will County	324	Prairie County	38		
				Fitchburg-Leominster, Mass.	108
Chico, Calif.	144	Daytona Beach, Fla.	259	Middlesex County (pt.)	12
Butte County	144	Volusia County	259	Worcester County (pt.)	88
Cincinnati, Ohio-Ky.-Ind.	1,401	Decatur, Ill.	131	Flint, Mich.	622
Clermont County, Ohio	128	Macon County	131	Genesee County	450
Hamilton County, Ohio	873			Shiawassee County	71
Warren County, Ohio	99	Denver-Boulder, Colo.	1,821		
Boone County, Ky.	48	Adams County	248	Florence, Ala.	128
Campbell County, Ky.	83	Arapahoe County	294	Colbert County	55
Kenton County, Ky.	137	Boulder County	180	Lauderdale County	81
Deerborn County, Ind.	34	Denver County	492		
		Douglas County	25	Florence, S.C.	118
Clarksville-Hopkinsville, Tenn.-Ky.	180	Gilpin County	2	Florence County	110
Montgomery County, Tenn.	83	Jefferson County	372		
Christian County, Ky.	67			Fort Collins, Colo.	148
		Des Moines, Iowa	338	Larimer County	148
Cleveland, Ohio	1,888	Polk County	303		
Cuyahoga County	1,498	Warren County	95	Fort Lauderdale-Hollywood, Fla.	1,818
Geauga County	74			Broward County	1,018
Lake County	213	Detroit, Mich.	4,283		
Medina County	113	Lapeer County	70	Fort Meyers-Cape Coral, Fla.	206
		Livingston County	100	Lee County	206
Colorado Springs, Colo.	317	Macomb County	895		
El Paso County	308	Oakland County	1,012	Fort Smith, Ark.-Okla.	204
Teller County	8	St. Clair County	138	Crawford County, Ark.	37
		Wayne County	2,338	Sebastian County, Ark.	95
Columbia, Mo.	188			Le Flore County, Okla.	41
Boone County	100	Dubuque, Iowa	84	Sequoyah County, Okla.	31
		Dubuque County	84		
Columbia, S.C.	410	Duluth-Superior, Minn.-Wis.	287	Fort Walton Beach, Fla.	118
Lexington County	140	St. Louis County, Minn.	222	Okaloosa County	110
Richland County	270	Douglas County, Wis.	44		
				Fort Wayne, Ind.	383
Columbus, Ga.-Ala.	238	Durham, N.C.		Adams County	30
Chattahoochee County, Ga.	22	(See Raleigh-Durham SMSA)		Allen County	284
Muscogee County, Ga.	170			De Kalb County	34
Russell County, Ala.	47			Wells County	25
Columbus, Ohio	1,083	Eau Claire, Wis.	131	Fort Worth, Tex.	
Delaware County	54	Chippewa County	52	(See Dallas-Fort Worth SMSA)	
Farfield County	94	Eau Claire County	79		
Franklin County	888			Fresno, Calif.	515
Madison County	33			Fresno County	515
Pickaway County	44				

¹ As of April 1, 1980. Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1, parts A and B.

	1980 Popu- lation ¹ (1,000)		1980 Popu- lation ¹ (1,000)		1980 Popu- lation (1,000)
Panama City, Fla	68	Washington County, R.I.		St. Joseph, Mo	182
Bay County	98	(pt.)	54	Andrew County	14
Parkersburg-Marietta,		Bristol County, Mass. (pt.)....	88	Buchanan County	88
W.Va.-Ohio	163	Norfolk County, Mass. (pt.)...	6		
Wirt County, W.Va.	5	Worcester County, Mass.		St. Louis, Mo.-Ill	2,388
Wood County, W.Va.	94	(pt.)	8	St. Louis city, Mo.	453
Washington County, Ohio	64			Franklin County, Mo	71
		Provo-Orem, Utah	218	Jefferson County, Mo	146
		Utah County	218	St. Charles County, Mo	144
				St. Louis County, Mo	974
Passaic-Moss Point,				Clinton County, Ill	33
Miss.	118			Madison County, Ill	246
Jackson County	118			Monroe County, Ill	28
				St. Clair County, Ill	288
Paterson-Clifton-Passaic,					
N.J.	448	Racine, Wis.	173	Salem, Oreg	282
Passaic County	448	Racine County	173	Marion County	285
				Polk County	4
Pensacola, Fla	280	Raleigh-Durham, N.C	531		
Escambia County	234	Durham County	153	Salinas-Seaside-Monterey,	
Santa Rosa County	58	Orange County	77	Calif.	282
		Wake County	301	Monterey County	28
Peoria, Ill	388	Reading, Pa	313	Salisbury-Concord, N.C	185
Peoria County	200	Berks County	313	Cabarrus County	85
Tazewell County	132			Rowan County	8
Woodford County	33	Redding, Calif.	116		
		Shasta County	116	Salt Lake City-Ogden, Utah	928
				Davis County	147
Petersburg-Colonial		Reno, Nev	184	Salt Lake County	619
Heights-Hopewell, Va	129	Washoe County	194	Tooele County	25
Colonial Heights city	17			Weber County	146
Hopewell city	23				
Petersburg city	41	Richland-Kennewick-Pasco,		San Angelo, Tex	85
Dirwiddle County	23	Wash.	144	Tom Green County	85
Prince George County	26	Benton County	109		
		Franklin County	35	San Antonio, Tex	1,872
				Bexar County	928
Philadelphia, Pa.-N.J	4,717	Richmond, Va	632	Cornal County	35
Bucks County, Pa	479	Richmond city	219	Guadalupe County	47
Chester County, Pa	317	Charles City County	7		
Delaware County, Pa	555	Chesterfield County	141	San Diego, Calif	1,882
Montgomery County, Pa	644	Goochland County	12	San Diego County	1,882
Philadelphia County, Pa	1,688	Hanover County	50		
Burlington County, N.J	363	Henrico County	181	San Francisco-Oakland,	
Camden County, N.J	472	New Kent County	9	Calif.	3,251
Gloucester County, N.J	200	Powhatan County	13	Alameda County	1,185
				Contra Costa County	655
Phoenix, Ariz	1,509	Riverside-San Bernardino-		Marin County	223
Maricopa County	1,509	Ontario, Calif	1,558	San Francisco County	679
		Riverside County	863	San Mateo County	587
Pine Bluff, Ark	91	San Bernardino County	895		
Jefferson County	91			San Jose, Calif	1,285
		Roanoke, Va	224	Santa Clara County	1,285
		Roanoke city	100		
Pittsburgh, Pa	2,264	Salem city	24	Santa Barbara-Santa Maria-	
Allegheny County	1,450	Botetourt County	23	Lompoc, Calif	282
Beaver County	204	Craig County	4	Santa Barbara County	28
Washington County	217	Roanoke County	73		
Westmoreland County	392			Santa Cruz, Calif	185
		Rochester, Minn	92	Santa Cruz County	18
Pittsfield, Mass	91	Olmsted County	92		
Berkshire County (pt.)	91			Santa Rosa, Calif	385
		Rochester, N.Y	971	Sonoma County	389
Portland, Maine	184	Livingston County	57		
Cumberland County (pt.)	164	Monroe County	702	Sarasota, Fla	288
York County (pt.)	19	Ontario County	89	Sarasota County	282
		Orleans County	38		
Portland, Oreg.-Wash	1,243	Wayne County	85	Savannah, Ga	281
Clackamas County, Oreg	242			Bryan County	18
Multnomah County, Oreg	563	Rockford, Ill	280	Chatham County	282
Washington County, Oreg	246	Boone County	29	Effingham County	18
Clark County, Wash	192	Winnebago County	251		
				Scranton, Pa.	
Portsmouth-Dover-		Rock Hill, S.C	107	(See Northeast Pennsyva-	
Rochester, N.H.-Maine	184	York County	107	nia SMSA.)	
Rockingham County, N.H.					
(pt.)	54	Sacramento, Calif	1,014	Seattle-Everett, Wash	1,887
Strafford County, N.H. (pt.)...	79	Placer County	117	King County	1,270
York County, Maine (pt.)	31	Sacramento County	783	Snohomish County	38
		Yolo County	113		
Poughkeepsie, N.Y	245			Sharon, Pa	128
Dutchess County	245	Saginaw, Mich	228	Mercer County	128
		Saginaw County	228		
Providence-Warwick-				Sheboygan, Wis	181
Pawtucket, R.I.-Mass	919	St. Cloud, Minn	163	Sheboygan County	181
Bristol County, R.I. (pt.)	47	Benton County	25		
Kent County, R.I. (pt.)	151	Sherburne County	30		
Newport County, R.I. (pt.)	4	Stearns County	108		
Providence County, R.I.					
(pt.)	580				

¹ As of April 1, 1980. Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1, parts A and B.

	1990 Popu- lation ¹ (1,000)		1990 Popu- lation ¹ (1,000)		1990 Popu- lation ¹ (1,000)
Long Branch-Asbury Park, N.J.	888	Anoka County, Minn.	196	Kings County, N.Y.	2,291
Monmouth County	503	Carver County, Minn.	37	New York County, N.Y.	1,428
Longview-Marshall, Tex.	182	Chicago County, Minn.	26	Queens County, N.Y.	1,891
Gregg County	99	Dakota County, Minn.	194	Richmond County, N.Y.	352
Harrison County	52	Hennepin County, Minn.	941	Rutsum County, N.Y.	77
Lorain-Elyria, Ohio	275	Ramsey County, Minn.	480	Rockland County, N.Y.	280
Lorain County	275	Scott County, Minn.	44	Westchester County, N.Y.	857
		Washington County, Minn.	114	Bergen County, N.J.	845
		Wright County, Minn.	50		
		St. Croix County, Wis.	44	Newark, N.J.	1,980
Los Angeles-Long Beach, Calif.	7,476	Mobile, Ala.	443	Essex County	851
Los Angeles County	7,476	Baldwin County	76	Monte County	408
		Mobile County	365	Somerset County	203
				Union County	504
Louisville, Ky.-Ind.	980	Modesto, Calif.	296	Newark, Ohio	121
Bullitt County, Ky.	43	Stanislaus County	288	Licking County	121
Jefferson County, Ky.	885				
Oldham County, Ky.	28	Monroe, La.	139	Newburgh-Middletown, N.Y.	286
Clark County, Ind.	89	Ouachita Parish	139	Orange County	280
Floyd County, Ind.	61				
Lowell, Mass.-N.H.	233	Montgomery, Ala.	273	Newport News-Hampton, Va.	364
Middlesex County, Mass.	225	Autauga County	32	Hampton city	123
Hillsborough County, N.H.	8	Elmore County	43	Newport News city	145
		Montgomery County	197	Poquoson city ¹	9
Lubbock, Tex.	212	Muncie, Ind.	129	Williamsburg city	10
Lubbock County	212	Delaware County	120	Gloucester County	20
				James City County	23
Lynchburg, Va.	183	Muskegon-Norton Shores		York County	35
Lynchburg city	67	Muskegon Heights, Mich.	180		
Amherst County	29	Muskegon County	158	Norfolk-Virginia Beach- Portsmouth, Va.-N.C.	867
Appomattox County	12	Ocean County	22	Chesapeake city, Va.	114
Campbell County	46			Norfolk city, Va.	267
				Portsmouth city, Va.	105
Macon, Ga.	254	Nashua, N.H.	114	Suffolk city, Va.	46
Bibb County	150	Hillsborough County (pt.)	114	Virginia Beach city, Va.	262
Houston County	78			Currituck County, N.C.	11
Jones County	17	Nashville-Davidson, Tenn.	851		
Twiggs County	9	Chestnam County	22	Northeast Pennsylvania	940
		Davidson County	478	Lackawanna County	228
Madison, Wis.	334	Dickson County	30	Luzerne County	343
Dane County	324	Robertson County	37	Monroe County	80
		Rutherford County	84		
Manchester, N.H.	161	Sumner County	55	Norwalk, Conn.	127
Hillsborough County (pt.)	112	Williamson County	58	Fairfield County (pt.)	127
Merrimack County (pt.)	17	Wilson County	56		
Rockingham County (pt.)	32				
Manfield, Ohio	131	Nassau-Suffolk, N.Y.	2,696	Ocala, Fla.	122
Richland County	131	Nassau County	1,322	Marion County	122
		Suffolk County	1,294		
McAllen-Pharr-Edinburg, Tex.	363	New Bedford, Mass.	189	Odessa, Tex.	116
Hidalgo County	263	Bristol County (pt.)	154	Ector County	115
		Plymouth County (pt.)	15		
Medford, Oreg.	132	New Britain, Conn.	142	Ogden, Utah (See Salt Lake City SMSA.)	
Jackson County	132	Hartford County (pt.)	142		
				Oklahoma City, Okla.	884
Melbourne-Thruville-Cocoa, Fla.	276	New Brunswick-Perth Amboy-Sayreville, N.J.	898	Canadian County	56
Brevard County	273	Middlesex County	596	Cleveland County	133
				McClen County	20
Memphis, Tenn.-Ark.-Miss.	913	New Haven-West Haven, Conn.-R.I.	418	Oklahoma County	588
Shelby County, Tenn.	777	Middlesex County (pt.)	11	Pottawatomie County	85
Tipton County, Tenn.	33	New Haven County (pt.)	408		
Crittenden County, Ark.	49			Olympia, Wash.	134
De Soto County, Miss.	54	New London-Monrovia, Conn.	348	Thurston County	124
		Middlesex County, Conn. (pt.)	9		
Meriden, Conn.	87	New London County, Conn. (pt.)	214	Omaha, Nebr.-Iowa	678
New Haven County (pt.)	57	Washington County, R.I. (pt.)	25	Douglas County, Nebr.	386
				Sarpy County, Nebr.	86
Miami, Fla.	1,826	New Orleans, La.	1,187	Pottawattamie County, Iowa	87
Dade County	1,826	Jefferson Parish	455		
		Orleans Parish	568	Orlando, Fla.	780
Midland, Tex.	83	St. Bernard Parish	64	Orange County	471
Midland County	83	St. Tammany Parish	111	Oscola County	48
				Seminole County	180
Milwaukee, Wis.	1,387				
Milwaukee County	965	New York, N.Y.-N.J.	9,129	Owensboro, Ky.	88
Ozaukee County	87	New York City, N.Y.	7,071	DeWitt County	88
Washington County	85	Bronx County, N.Y.	1,189		
Waukesha County	280			Oxnard-Simi Valley-Ven- tura, Calif.	529
				Ventura County	529
Minneapolis-St. Paul, Minn.- Wis.	2,114				

As of April 1, 1990. Source: U.S. Bureau of the Census, 1990 Census of Population, vol. 1, parts A and B.

¹ Poquoson city became independent of York County in 1975.

	1980 Popu- lation ¹ (1,000)		1980 Popu- lation ¹ (1,000)		1980 Popu- lation ¹ (1,000)
Panama City, Fla	68	Washington County, R.I.		St. Joseph, Mo	182
Bay County	98	(pt.)	54	Andrew County	14
Parkersburg-Marietta, W.Va.-Ohio	163	Bristol County, Mass. (pt.)	68	Buchanan County	68
Wirt County, W.Va.	5	Norfolk County, Mass. (pt.) ..	6	St. Louis, Mo.-Ill	2,388
Wood County, W.Va.	94	Worcester County, Mass.		St. Louis city, Mo	453
Washington County, Ohio	64	(pt.)	8	Franklin County, Mo	71
Pascagoula-Moss Point, Miss	118	Provo-Orem, Utah	218	Jefferson County, Mo	146
Jackson County	118	Utah County	218	St. Charles County, Mo	144
Paterson-Clifton-Passaic, N.J.	448	Pueblo, Colo	128	St. Louis County, Mo	974
Passaic County	448	Pueblo County	126	Clinton County, Ill	33
Pensacola, Fla	280	Racine, Wis	173	Madison County, Ill	248
Escambia County	234	Racine County	173	Monroe County, Ill	20
Santa Rosa County	58	Raleigh-Durham, N.C.	531	St. Clair County, Ill	288
Peoria, Ill	388	Durham County	153	Salem, Oreg	288
Peoria County	200	Orange County	77	Marion County	205
Tazewell County	132	Wake County	301	Polk County	45
Woodford County	33	Reading, Pa	313	Salinas-Seaside-Monterey, Calif.	288
Petersburg-Colonial Heights-Hopewell, Va	128	Berks County	313	Monterey County	280
Colonial Heights city	17	Redding, Calif	118	Salisbury-Concord, N.C.	185
Hopewell city	23	Shasta County	116	Cabarrus County	85
Petersburg city	41	Reno, Nev	194	Rowan County	89
Dimwiddle County	23	Washoe County	194	Salt Lake City-Ogden, Utah ..	938
Prince George County	28	Richland-Kennewick-Pasco, Wash	144	Dave County	147
Philadelphia, Pa.-N.J.	4,717	Benton County	109	Salt Lake County	819
Bucks County, Pa	479	Franklin County	35	Tooele County	25
Chester County, Pa	317	Richmond, Va	632	Weber County	145
Delaware County, Pa	555	Richmond city	219	San Angelo, Tex	85
Montgomery County, Pa	644	Charles City County	7	Tom Green County	85
Philadelphia County, Pa	1,688	Chesterfield County	141	San Antonio, Tex	1,872
Burlington County, N.J.	363	Goochland County	12	Bexar County	980
Camden County, N.J.	472	Hanover County	50	Comal County	36
Gloucester County, N.J.	200	Henrico County	181	Guadalupe County	47
Phoenix, Ariz	1,509	New Kent County	9	San Diego, Calif	1,882
Maricopa County	1,509	Powhatan County	13	San Diego County	1,882
Pine Bluff, Ark	91	Riverside-San Bernardino- Ontario, Calif	1,558	San Francisco-Oakland, Calif.	3,251
Jefferson County	91	Riverside County	863	Alameda County	1,105
Pittsburgh, Pa	2,284	San Bernardino County	895	Contra Costa County	856
Allegheny County	1,450	Roanoke, Va	224	Marin County	223
Beaver County	204	Roanoke city	100	San Francisco County	679
Washington County	217	Salem city	24	San Mateo County	587
Westmoreland County	392	Botetourt County	23	San Jose, Calif	1,285
Pittsfield, Mass	91	Craig County	4	Santa Clara County	1,285
Berkshire County (pt.)	91	Roanoke County	73	Santa Barbara-Santa Maria- Lompoc, Calif	288
Portland, Maine	184	Rochester, Minn	82	Santa Barbara County	288
Cumberland County (pt.)	164	Olmsted County	92	Santa Cruz, Calif	188
York County (pt.)	19	Rochester, N.Y.	971	Santa Cruz County	188
Portland, Oreg.-Wash	1,243	Livingston County	57	Santa Rosa, Calif	288
Clackamas County, Oreg	242	Monroe County	702	Sonoma County	300
Multnomah County, Oreg	563	Ontario County	89	Sarasota, Fla	282
Washington County, Oreg	246	Orleans County	38	Sarasota County	202
Clark County, Wash	192	Wayne County	85	Savannah, Ga	231
Portsmouth-Dover- Rochester, N.H.-Maine	164	Rockford, Ill	280	Bryan County	10
Rockingham County, N.H.		Boone County	29	Chatham County	202
(pt.)	54	Winnebago County	251	Effingham County	18
Strafford County, N.H. (pt.) ..	79	Rock Hill, S.C	107	Scranton, Pa.	
York County, Maine (pt.)	31	York County	107	(See Northeast Pennsylv- ania SMSA.)	
Poughkeepsie, N.Y.	245	Sacramento, Calif	1,014	Seattle-Everett, Wash	1,887
Dutchess County	245	Placer County	117	King County	1,270
Providence-Warwick- Pawtucket, R.I.-Mass	919	Sacramento County	783	Snohomish County	338
Bristol County, R.I. (pt.)	47	Yolo County	113	Sharon, Pa	128
Kent County, R.I. (pt.)	151	Saginaw, Mich	228	Mercer County	128
Newport County, R.I. (pt.)	4	Saginaw County	228	Sheboygan, Wis	181
Providence County, R.I.		St. Cloud, Minn	168	Sheboygan County	101
(pt.)	580	Benton County	25		
		Sherburne County	30		
		Stearns County	108		

¹ As of April 1, 1980. Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1, parts A and B.

	1980 Popu- lation ¹ (1,000)		1980 Popu- lation ¹ (1,000)		1980 Popu- lation ¹ (1,000)
Sherman-Denison, Tex.	99	Pinellas County, Fla.	729	Alexandria city, Va.	103
Grayson County	90			Fairfax city, Va.	19
Shreveport, La.	377	Terre Haute, Ind.	177	Falls Church city, Va.	10
Bossier Parish	81	Clay County	25	Manassas City, Va.	15
Caddo Parish	252	Sullivan County	21	Manassas Park city, Va.	7
Webster Parish	44	Vermilion County	18	Arlington County, Va.	153
Sioux City, Iowa-Nebr.	117	Vigo County	112	Fairfax County, Va.	597
Woodbury County, Iowa	101	Texarkana, Tex.-Texarkana, Ark.	127	Loudoun County, Va.	57
Dakota County, Nebr.	17	Bowie County, Tex.	75	Prince William County, Va.	145
Sioux Falls, S. Dak.	108	Little River County, Ark.	14	Waterbury, Conn.	228
Minnehaha County	109	Miller County, Ark.	38	Litchfield County (pt.)	33
South Bend, Ind.	281	Toledo, Ohio-Mich.	782	New Haven County (pt.)	195
Marshall County	39	Fulton County, Ohio	36	Waterloo-Cedar Falls, Iowa	139
St. Joseph County	242	Lucas County, Ohio	472	Black Hawk County	139
Spokane, Wash.	342	Orleans County, Ohio	40	Wausau, Wis.	111
Spokane County	342	Wood County, Ohio	107	Marathon County	111
Springfield, Ill.	198	Monroe County, Mich.	135	West Palm Beach-Boca Raton, Fla.	577
Menard County	12	Topoka, Kans.	185	Palm Beach County	577
Sangamon County	178	Jefferson County	15	Wheeling, W.Va.-Ohio	188
Springfield, Mo.	208	Osage County	15	Marshall County, W.Va.	42
Christian County	22	Shawnee County	155	Ohio County, W.Va.	61
Greene County	185	Trenton, N.J.	398	Belmont County, Ohio	63
Springfield, Ohio	184	Mercer County	308	Wichita, Kans.	411
Champaign County	34	Tucson, Ariz.	631	Butler County	45
Clark County	150	Pima County	531	Sedgewick County	367
Springfield-Chicopee- Holyoke, Mass.-Conn.	531	Tulsa, Okla.	688	Wichita Falls, Tex.	131
Hampden County, Mass. (pt.)	432	Creek County	59	Clay County	10
Hampshire County, Mass. (pt.)	66	Mayes County	32	Wichita County	121
Worcester County, Mass. (pt.)	4	Osage County	39	Wilkes-Barre-Hazleton, Pa. (See Northeast Pennsylvani- a SMSA.)	
Tolland County, Conn. (pt.)	8	Rogers County	46	Williamsport, Pa.	118
Stamford, Conn.	198	Tulsa County	471	Lycorning County	118
Fairfield County (pt.)	199	Wagoner County	42	Wilmington, Del.-N.J.-Md.	523
State College, Pa.	113	Tuscaloosa, Ala.	138	New Castle County, Del.	388
Centre County	113	Tuscaloosa County	138	Salem County, N.J.	65
Staubersville-Weirton, Ohio- W.Va.	183	Tyler, Tex.	128	Cecil County, Md.	60
Jefferson County, Ohio	92	Smith County	126	Wilmington, N.C.	128
Brooke County, W.Va.	31	Ulster-Rome, N.Y.	330	Brunswick County	38
Hancock County, W.Va.	40	Herkimer County	87	New Hanover County	103
Stockton, Calif.	347	Oneida County	253	Worcester, Mass.	373
San Joaquin County	347	Vallejo-Fairfield-Napa, Calif.	334	Worcester County (pt.)	373
Syracuse, N.Y.	643	Napa County	99	Yakima, Wash.	173
Madison County	65	Solano County	235	Yakima County	173
Onondaga County	464	Victoria, Tex.	88	York, Pa.	381
Cattaraugus County	114	Victoria County	88	Adams County	66
Tacoma, Wash.	488	Vineland-Milville-Bridgeton, N.J.	133	York County	313
Pierce County	488	Cumberland County	133	Youngstown-Warren, Ohio	531
Tallahassee, Fla.	180	Visalia-Tulare-Porterville, Calif.	246	Mahoning County	289
Leon County	149	Tulare County	246	Thurmont County	242
Wakulla County	11	Waco, Tex.	171	Yuba City, Calif.	182
Tempe-St. Petersburg, Fla.	1,889	McLennan County	171	Sutter County	52
Hillsborough County	847	Washington, D.C.-Md.-Va.	3,081	Yuba County	50
Pasco County	194	District of Columbia	638		
		Charles County, Md.	73		
		Montgomery County, Md.	579		
		Prince George's County, Md.	665		

¹ As of April 1, 1980. Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1, parts A and B.

NEW ENGLAND COUNTY METROPOLITAN AREAS (NECMA'S)

	1980 Popu- lation ¹ (1,000)		1980 Popu- lation ¹ (1,000)		1980 Popu- lation ¹ (1,000)
Bangor, Maine.....	137.0	Lewiston-Auburn, Maine.....	99.7	Portsmouth-Dover- Rochester, N.H., Maine.....	415.4
Penobscot County.....	137.0	Androscoggin County.....	99.7	Rockingham County, N.H.....	190.3
Boston-Lowell-Brockton- Lawrence-Haverhill, Mass.....	3,862.8	Manchester-Nashua, N.H.....	276.6	Strafford County, N.H.....	85.4
Essex County.....	633.6	Hillsborough County.....	276.6	York County, Maine.....	139.7
Middlesex County.....	1,367.0	New Bedford-Fall River, Mass.....	474.6	Providence-Warwick- Pawtucket, R.I.....	865.8
Norfolk County.....	606.6	Bristol County.....	474.6	Bristol County.....	46.9
Plymouth County.....	405.4	New Haven-West Haven- Waterbury-Meriden, Conn.....	781.3	Kent County.....	154.2
Suffolk County.....	650.1	New Haven County.....	781.3	Providence County.....	571.3
Bridgeport-Stamford- Norwalk-Danbury, Conn.....	807.1	New London-Norwich, Conn.....	238.4	Washington County.....	93.3
Fairfield County.....	807.1	New London County.....	238.4	Springfield-Chicopee- Holyoke, Mass.....	981.8
Burlington, Vt.....	115.5	Pittsfield, Mass.....	145.1	Hampden County.....	443.0
Chittenden County.....	115.5	Berkshire County.....	145.1	Hampshire County.....	138.8
Hartford-New Britain- Bristol, Conn.....	1,051.6	Portland, Maine.....	244.6	Worcester-Fitchburg- Leominster, Mass.....	646.4
Hartford County.....	807.8	Cumberland County.....	215.8	Worcester County.....	646.4
Middlesex County.....	129.0	Sagadahoc County.....	28.8		
Tolland County.....	114.8				

¹ As of April 1.

Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1 parts A and B.

STANDARD CONSOLIDATED STATISTICAL AREAS (SCSA'S)

	1980 Popu- lation ¹ (1,000)		1980 Popu- lation ¹ (1,000)
Boston-Lawrence-Lowell, Mass.-N.H.....	3,448	Miami-Fort Lauderdale, Fla.....	2,644
Boston, Mass.....	2,763	Miami, Fla.....	1,626
Lawrence-Haverhill, Mass.-N.H.....	282	Fort Lauderdale-Hollywood, Fla.....	1,018
Lowell, Mass.-N.H.....	233	Milwaukee-Racine, Wis.....	1,570
Brockton, Mass.....	169	Milwaukee, Wis.....	1,307
Chicago-Gary-Kenosha, Ill.-Ind.-Wis.....	7,870	Racine, Wis.....	173
Chicago, Ill.....	7,104	New York-Newark-Jersey City, N.Y.-N.J.-Conn.....	16,122
Gary-Hammond-East Chicago, Ind.....	643	New York, N.Y.-N.J.....	9,120
Kenosha, Wis.....	123	Nassau-Suffolk, N.Y.....	2,808
Cincinnati-Hamilton, Ohio-Ky.-Ind.....	1,680	Newark, N.J.....	1,986
Cincinnati, Ohio-Ky.-Ind.....	1,401	Jersey City, N.J.....	557
Hamilton-Middletown, Ohio.....	259	New Brunswick-Perth Amboy-Sayreville, N.J.....	586
Cleveland-Akron-Lorain, Ohio.....	2,834	Paterson-Clifton-Passaic, N.J.....	448
Cleveland, Ohio.....	1,899	Long Branch-Asbury Park, N.J.....	503
Akron, Ohio.....	660	Stamford, Conn.....	189
Lorain-Elyria, Ohio.....	275	Norwalk, Conn.....	127
Dayton-Springfield, Ohio.....	1,014	Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md.....	5,548
Dayton, Ohio.....	830	Philadelphia, Pa.-N.J.....	4,717
Springfield, Ohio.....	184	Wilmington, Del.-N.J.-Md.....	523
Detroit-Ann Arbor, Mich.....	4,616	Trenton, N.J.....	308
Detroit, Mich.....	4,353	Providence-Fall River, R.I.-Mass.....	1,886
Ann Arbor, Mich.....	265	Providence-Warwick-Pawtucket, R.I.-Mass.....	919
Houston-Galveston, Tex.....	3,101	Fall River, Mass.-R.I.....	177
Houston, Tex.....	2,905	San Francisco-Oakland-San Jose, Calif.....	5,186
Galveston-Texas City, Tex.....	196	San Francisco-Oakland, Calif.....	3,251
Indianapolis-Anderson, Ind.....	1,306	San Jose, Calif.....	1,286
Indianapolis, Ind.....	1,167	Vallejo-Fairfield-Napa, Calif.....	334
Anderson, Ind.....	139	Santa Rosa, Calif.....	300
Los Angeles-Long Beach-Anaheim, Calif.....	11,498	Seattle-Tacoma, Wash.....	2,888
Los Angeles-Long Beach, Calif.....	7,478	Seattle-Everett, Wash.....	1,807
Anaheim-Santa Ana-Garden Grove, Calif.....	1,933	Tacoma, Wash.....	486
Riverside-San Bernardino-Ontario, Calif.....	1,558		
Oxnard-Simi Valley-Ventura, Calif.....	529		

¹ As of April 1, 1980.

Source: U.S. Bureau of the Census, 1980 Census of Population, vol. 1 parts A and B.

APPENDIX III

Statistical Methodology and Reliability

Introduction.—The data presented in this *Statistical Abstract* came from many sources. The sources include not only Federal statistical bureaus and other organizations that collect and issue statistics as their principal activity, but also governmental administrative and regulatory agencies, private research bodies, trade associations, insurance companies, health associations, and private organizations such as the American Red Cross and philanthropic foundations. Consequently, the data vary considerably as to reference periods, definitions of terms and, for ongoing series, the number and frequency of time periods for which data are available.

The statistics presented were obtained and tabulated by various means. Some statistics are based on complete enumerations or censuses while others are based on samples. Some information is extracted from records kept for administrative or regulatory purposes (school enrollment, hospital records, securities registration, financial accounts, social security records, income tax returns, etc.), while other information is obtained explicitly for statistical purposes through interviews or by mail. The estimation procedures used vary from highly sophisticated scientific techniques, to crude "informed guesses".

Each set of data relates to a group of individuals or units of interest referred to as the *target universe* or *target population*, or simply as the *universe* or *population*. Prior to data collection the target universe should be clearly defined. For example, if data are to be collected for the universe of households in the United States, it is necessary to define a "household". The target universe may not be completely tractable. Cost and other considerations may restrict data collection to a *survey universe* of households on some available list, such list being inaccurate, out of date, defining "household" slightly differently, etc. This list is called a *survey frame* or *sampling frame*.

The data in many tables are based on data obtained for all population units, a *census*, or on data obtained for only a portion, or *sample*, of the population units. When the data presented are based on a sample, the sample is usually a scientifically selected *probability sample*. This is a sample selected from a list or sampling frame in such a way that every possible sample has a known chance of selection, and usually each unit selected can be assigned a number, between zero and one, representing its likelihood or probability of selection.

For large-scale sample surveys, the probability sample of units is often selected as a multistage sample. The first stage of a multistage sample is the selection of a probability sample of large groups of population members, referred to as primary sampling units (PSU's). For example, in a national multistage household sample, PSU's are often counties or groups of counties. The second stage of a multistage sample is the selection, within each PSU selected at the first stage, of smaller groups of population units, referred to as secondary sampling units. In subsequent stages of selection, smaller and smaller nested groups are chosen until the ultimate sample of population units is obtained. To qualify a multistage sample as a probability sample, all stages of sampling must be carried out using probability sampling methods.

Prior to selection at each stage of a multistage (or a single-stage) sample, a list of the sampling units or sampling frame for that stage must be obtained. For example, for the first stage of selection of a national household sample, a list of the counties and county groups that form the PSU's must be obtained. For the final stage of selection, lists of households, and sometimes persons within the households, have to be compiled in the field. If a single-stage sample of the Nation's hospitals is to be selected, a list of hospitals must be obtained to use as the sampling frame. Unfortunately, it is virtually impossible to obtain a complete, up-to-date frame for a hospital survey. This is a problem incurred for most surveys of institutions and for many other types of surveys as well.

Wherever the quantities in a table refer to an entire universe, but are constructed from data collected in a sample survey, the table quantities are referred to as *sample estimates*. In constructing a sample estimate, an attempt is made to come as close as is feasible to the corresponding universe quantity that would be obtained from a complete census of the universe. Estimates based on a sample will, however, generally differ from the hypothetical census figures. Two classifications of errors are associated with estimates based on sample surveys: (1) *sampling error*—the error arising from the use of a sample, rather than a census, to estimate population quantities and (2) *nonsampling error*—those errors arising from nonsampling sources. As discussed below, the magnitude of the sampling error for an estimate can usually be estimated from the sample data. However, the magnitude of the nonsampling error for an estimate can rarely be estimated. Consequently, actual error in an estimate exceeds the estimated error in the estimate.

The particular sample used in a survey is only one of a large number of possible samples of the same size which could have been selected using the same sampling procedure. Estimates derived from the different samples would, in general, differ from each other. The *standard error* (SE) is a measure of the variation among the estimates derived from all possible samples. The standard error is the most commonly used measure of the sampling error of an estimate. Valid estimates of the standard errors of survey estimates can usually be calculated from the data collected in a probability sample. For convenience, the standard error is sometimes expressed as a percent of the estimate and is called the relative standard error or *coefficient of variation* (CV). For example, an estimate of 200 units with an estimated standard error of 10 units has an estimated CV of 5 percent.

A sample estimate and an estimate of its standard error or CV can be used to construct intervals around the estimate that have a prescribed confidence that the interval includes the average of the estimates derived from all possible samples with a known probability. To illustrate, if all possible samples were selected under essentially the same general conditions, and using the same sample design, and if an estimate and its estimated standard error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average estimate derived from all possible samples.
2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average estimate derived from all possible samples.
3. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average estimate derived from all possible samples.

Thus, for a particular sample, one can say with the appropriate level of confidence (e.g., 90% or 95%) that the average of all possible samples is included in the constructed interval. Example of a confidence interval: An estimate is 200 units with a standard error of 10 units. An approximately 90 percent confidence interval (plus or minus 1.6 standard errors) is from 184 to 216.

All surveys and censuses are subject to nonsampling errors. Nonsampling errors are two kinds—*random* and *nonrandom*. Random nonsampling errors arise because of the varying interpretation of questions (by respondents or interviewers) and varying actions of coders, keyers, and other processors. Some randomness is also introduced when respondents must estimate values. These same errors usually have a nonrandom component. Nonrandom nonsampling errors result from total nonresponse (no usable data obtained for a sampled unit), partial or item nonresponse (only a portion of a response may be usable), inability or unwillingness on the part of respondents to provide correct information, difficulty interpreting questions, mistakes in recording or keying data, errors of collection or processing, and coverage problems (overcoverage and undercoverage of the target universe). Random nonresponse errors usually, but not always, result in an understatement of sampling errors and thus an overstatement of the precision of survey estimates. Estimating the magnitude of nonsampling errors would require special experiments or access to independent data and consequently, the magnitudes are seldom available.

Nearly all types of nonsampling errors that affect surveys also incur in complete censuses. Since surveys can be conducted on a smaller scale than censuses, nonsampling errors can presumably be controlled more tightly. Relatively more funds and effort can perhaps be expended toward eliciting responses, detecting and correcting response error, and reducing processing errors. As a result, survey results can sometimes be more accurate than census results.

To compensate for suspected nonrandom errors, adjustments of the sample estimates are often made. For example, adjustments are frequently made for nonresponse, both total and partial. Adjustments made for either type of nonresponse are often referred to as *imputations*. Imputation for total nonresponse is usually made by substituting for the questionnaire responses of the nonrespondents the "average" questionnaire responses of the respondents. These imputations are usually made separately within various groups of sample members, formed by attempting to place respondents and nonrespondents together that have "similar" survey characteristics. Imputation for item nonresponse is usually made by substituting for a missing item the response to that item of a respondent having characteristics that are "similar" to those of the nonrespondent.

For an estimate calculated from a sample survey, the *total error* in the estimate is composed of the sampling error, which can usually be estimated from the sample, and the nonsampling error, which usually cannot be estimated from the sample. The total error present in a population quantity obtained from a complete census is composed of only nonsampling errors. Ideally, estimates of the total error associated with data given in the *Statistical Abstract* tables should be given. However, due to the unavailability of estimates of nonsampling errors, only estimates of the levels of sam-

pling errors, in terms of estimated standard errors or coefficients of variation, are available. To obtain estimates of the estimated standard errors from the sample of interest, obtain a copy of the referenced report which appears at the end of each table.

Principal data bases—Beginning on page 908 are brief descriptions of 43 of the sample surveys and censuses that provide a substantial portion of the data contained in this *Abstract*.

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<p>SECTION 1. POPULATION U.S. Bureau of The Census</p> <p><i>Census of Population</i></p> <p>See tables citing <i>Census of Population</i> in section 1 and also in sections 2, 5, 7, 13, 14, 16, 22, 28, and 32.</p> <p><i>Census of Population and Housing</i></p> <p>Early National Sample (or Provisional Estimates Sample)</p> <p>See tables 41, 44, 67, and 69 in section 1; tables 222 and 227 in section 5; tables 722, 726 and 733 in section 14; table 1079 in section 22; and table 1355 in section 28.</p> <p><i>Current Population Survey (CPS)</i></p> <p>See tables citing <i>Current Population Reports</i> primarily in section 1, but also in sections 2, 4, 5, 11, 13, 14, 16, 24, and 32. Many Bureau of Labor Statistics' (BLS) tables in section 13 are CPS based.</p>	<p>Complete count of U.S. population conducted every 10 years since 1790. Data obtained on number and characteristics of inhabitants.</p> <p>Special subsample of the 1980 census sample. Data obtained on number and detailed characteristics of inhabitants and housing units.</p> <p>Nationwide monthly sample survey of civilian noninstitutional population, 15 years old or over, to obtain data on employment, unemployment, and a number of other characteristics.</p>	<p>In 1970 and 1980, complete census for some items—age, sex, race, marital status and relationship to household head. In 1970, other items collected from a 5% and a 15% probability (systematic) sample of the population. In 1980, approximately 19% of the housing units were included in the sample.</p> <p>Systematic subsample of the full 1980 census sample, representing 8% of the census sample questionnaires or 1½% of the total national population.</p> <p>Multistage probability sample of about 72,000 households in 629 PSU's in 1981. Oversampling in some States and the largest SMSA's to improve reliability for those areas of employment data on annual average basis. A continual sample rotation system is used. Households are in sample 4 months, out for 8 months, and in for 4 more. Month-to-month overlap is 75%; year-to-year overlap is 50%.</p>
<p>SECTION 2. VITAL STATISTICS U.S. National Center for Health Statistics</p> <p><i>Vital Registration System</i></p> <p>See tables 84, 86-90, 97, 108-119, 121, 122; and 1062 in section 22.</p> <p>(See section 1 above for information pertaining to tables 92-96, and 96.)</p>	<p>Annual data on births and deaths in the United States.</p>	<p>Mortality data based on complete file of death records, except 1972, based on 50% sample. Natality statistics for most years, 1951-1971, based on 50% sample of birth records received by NCHS. Beginning 1972, data from some States received through Cooperative Health Statistics System and complete file used; data from other States based on 50% sample.</p>
<p>SECTION 4. HEALTH AND NUTRITION U.S. National Center for Health Statistics</p> <p><i>National Health Interview Survey (NHIS)</i></p> <p>See tables 167, 168, 185, 186, 189, 190, 193, 194, 198, 199, and 201 and, in section 5, table 230.</p>	<p>Continuous data collection covering the civilian noninstitutional population to obtain information on personal and demographic characteristics, illnesses, injuries, impairments, chronic conditions, and other health topics.</p>	<p>Multistage probability sample of 39,000 households (in 376 PSU's) selected in groups of about four geographically adjacent households.</p>

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
<p>In 1970, extensive use of mail questionnaires in urban areas; personal interviews in most rural areas. In 1980, mail questionnaires were used in even more areas than in 1970, with personal interviews in the remainder. Extensive telephone and personal followup for nonrespondents done in both censuses. Imputations made for missing characteristics.</p> <p>See above regarding 1980.</p> <p>For first and fifth months that a household is in sample, personal interviews; other months, data collected by phone.</p>	<p>Evaluation programs are currently being conducted to provide information on the magnitude of both sampling (for sample items) and nonsampling errors in the 1980 census, including undercount (net undercount in 1970 was estimated to be 2.5%).</p> <p>Estimated CV's: For national estimates of per capita income, .5%, and between 1.4% and 2.2% for school enrollment and poverty status. Estimated CV of less than 5% for per capita income at SMSA level.</p> <p>Estimated CV on annual averages for labor force, total employment, and non-agricultural employment, .2%; for total unemployment and agricultural employment, 1.0 to 2.5%.</p>	<p>See above regarding 1980.</p> <p>Estimates of response bias on unemployment are not available, but estimates of unemployment are usually 5% to 9% lower than estimates from reinterviews. Four to 5.0% of sample households unavailable for interviews.</p>	<p>U.S. Bureau of the Census, <i>Estimates of Coverage of the Population by Sex, Race, and Age: Demographic analysis</i>, PHC(E)-4; <i>Census of Population: 1970 PC(1)-C</i>, Appendix C; and <i>1980 Census of Population</i>, vol. 1, (PC80-1), Appendices B, C, and D.</p> <p>U.S. Bureau of the Census, <i>1980 Census of Population and Housing, Supplementary Report</i>, series PHC 80-S1-1.</p> <p>U.S. Bureau of the Census and Bureau of Labor Statistics, <i>Concepts and Methods Used in Labor Force Statistics from Current Population Survey</i> (Census series P-23, No. 62; BLS report No. 483) and Bureau of the Census, <i>Current Population Survey</i> (Tech. Paper 40).</p>
<p>Reports based on records from registration offices of all States, District of Columbia, New York City, Puerto Rico, Virgin Islands, Guam, and certain cities.</p>	<p>For births, CV's are small due to large portion of total file in sample (except for very small estimated totals).</p>	<p>In 1964-1968, underregistration of births estimated to be .7%. Data on deaths believed to be complete.</p>	<p>U.S. National Center for Health Statistics, <i>Vital Statistics of the United States, 1978</i>, vol. I and vol. II, part A and part B, forthcoming.</p>
<p>Personal household interviews. Extensive followup of nonrespondents. Data adjusted for nonresponse by imputation procedure based on "average" characteristics of persons in interviewed households in same geographic area.</p>	<p>Estimated CV's: For physician visits by males, 1.5%; for workdays lost by males, 3.5%; for persons injured at home, 4.7%.</p>	<p>Response rate was 97% in 1980.</p>	<p>U.S. National Center for Health Statistics, "Current Estimates from the National Health Interview Survey, U.S., 1980," <i>Vital and Health Statistics</i>, series 10—No. 139, DHEW No. (PHS) 82-1567, Dec. 1981.</p>

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
SECTION 4. HEALTH AND NUTRITION—CON.		
U.S. National Center for Health Statistics—Con.		
<i>National Master Facility Inventory (NMFI)</i> See tables 171 and 180.	Periodic surveys of nursing and related care homes with 3 or more beds and other inpatient health facilities to update file. Information obtained on names, locations, and types of facilities, and number of beds and residents or patients.	Complete census of eligible institutions. Comprehensive file periodically updated to include names and addresses of newly established inpatient facilities and State licensing agencies.
(See section 1 above for information to table 166 and section 15 pertaining to table 158.)		
SECTION 5. EDUCATION		
U.S. National Center for Education Statistics (NCES)		
<i>Revenues and Expenditures for Public Elementary and Secondary Education</i> See tables 213, 214, 234, 249, 251, and in section 32, table 1501.	Annual survey of State education agencies to obtain data on revenues and expenditures for public elementary and secondary education. Includes the 50 States, District of Columbia, and the outlying areas.	Complete census; however, data are extracted by State education agencies from fiscal reports submitted by local education agencies.
<i>Statistics of Public Elementary and Secondary School Systems</i> See tables in section 5 which present data from NCES pertaining to State public school systems.	Annual survey of State education agencies to obtain data on pupils enrolled, staff employed, number of schools, and estimates of revenues and expenditures for the school year in progress. Includes the 50 States, District of Columbia, and the outlying areas.	Complete census; however, data are extracted by State education agencies from fall reports submitted by local education agencies.
<i>Higher Education General Information Survey (HEGIS)</i> <i>A. Institutional Characteristics of Colleges and Universities</i> See tables 209–212, 260, 262, 269, and 270.	Annual survey of all institutions and branches listed in the <i>Education Directory, Colleges and Universities</i> to obtain data on characteristics of institutions including control (public or private), type (university, other four-year, and two-year) and student charges.	Complete census.
<i>B. Fall Enrollment in Institutions of Higher Education</i> See tables 212, 220, 260, 262, and 264.	Annual survey of all institutions and branches listed in the <i>Education Directory, Colleges and Universities</i> to obtain data on total enrollment by sex, level of enrollment, type of program, racial/ethnic characteristics (in alternate years) and attendance status of student, and on first-time students.	Complete census.
<i>C. Financial Statistics of Institutions of Higher Education</i> See tables 213, 214, 260, and 270.	Annual survey of all institutions and branches listed in the <i>Education Directory, Colleges and Universities</i> to obtain data on financial status and operations, including current funds revenues, current funds expenditures, and physical plant assets.	Complete census.
<i>D. Degrees and Other Formal Awards Conferred</i> See tables 256 and 277–279.	Annual survey of all institutions and branches listed in the <i>Education Directory, Colleges and Universities</i> to obtain data on earned degrees and other formal awards, conferred by field of study, level of degree, sex, and by racial/ethnic characteristics (in alternate years).	Complete census.

(See section 1 above for information pertaining to the Bureau of the Census and section 2 above for National Center for Health Statistics data.)

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
Mail questionnaires to facilities. Missing questionnaire items imputed by using either previously reported information or by using current data from similar responding facilities.	Not applicable.	In 1976, coverage was 98% complete for nursing care and related homes and other custodial or remedial care facilities.	U.S. National Center for Health Statistics, "Design and Methodology of the 1987 Master Facility Inventory Survey," <i>Vital and Health Statistics</i> , series 1—No. 9, PHS Pub. No. 1000, Jan. 1971.
Mail survey with followup for nonresponse through direct contact of other records.	Not applicable.	Some distortion in expenditures by function due to variations in State accounting systems.	U.S. National Center for Education Statistics, <i>Revenues and Expenditures for Public Elementary and Secondary Education</i> , annual.
Mail survey. Imputations for missing data included in national totals; imputations are derived based on data reported over previous 5 years.	Not applicable.	Deviations from State to State or year to year arise from differences in definitions, and instructions used by State education agencies.	U.S. National Center for Education Statistics, <i>Statistics of Public Elementary and Secondary School Systems</i> , annual.
Survey package usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone followup procedures for nonrespondents. Missing data imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.	Not applicable.	One hundred percent response rate.	U.S. National Center for Education Statistics, <i>Education Directory, Colleges and Universities</i> , annual.
See above.	Not applicable.	One hundred percent response rate based upon institutional recordkeeping.	U.S. National Center for Education Statistics, <i>Fall Enrollment in Higher Education</i> , annual.
See above.	Not applicable.	For 1979, a 91.7% response rate. imputed expenditures amounted to about 2.8% of total expenditures.	U.S. National Center for Education Statistics, <i>Financial Statistics of Institutions of Higher Education</i> , annual.
See above.	Not applicable.	One hundred percent response rate based upon institutional recordkeeping.	U.S. National Center for Education Statistics, <i>Earned Degrees Conferred</i> , annual.

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
SECTION 6. LAW ENFORCEMENT, FEDERAL COURTS, AND PRISONS		
U.S. Federal Bureau of Investigation <i>Uniform Crime Reporting (UCR) Program</i> See tables 287-291 and 296-301, and 303-306. U.S. Bureau of Justice Statistics (BJS) <i>National Crime Survey</i> See tables 292-294.	<p>Monthly reports on the number of criminal offenses that become known to law enforcement agencies. Data collected on crimes cleared by arrest, by age, sex, and race of offender, and on assaults on law enforcement officers.</p> <p>Monthly survey of individuals and households in the U.S. to obtain data on criminal victimization of those units for compilation of annual estimates.</p>	<p>Crime statistics based on reports of crime data submitted either directly to the FBI by contributing law enforcement agencies or through cooperating State UCR programs.</p> <p>National probability sample survey of about 60,000 interviewed households; 376 PSU's selected from a list of addresses from the 1970 census, supplemented by new construction permits and an area sample where permits are not required.</p>
(See section 10 for details on tables 306 and 308, and section 30 for table 313.)		
SECTION 8. PUBLIC LANDS, PARKS, RECREATION, AND TRAVEL		
U.S. Bureau of the Census <i>Census of Transportation</i> <i>National Travel Survey</i> See tables 407-409.	<p>Survey conducted every 5 years to obtain information on number and characteristics of long-distance trips (100 miles or more).</p>	<p>Probability sample of about 25,000 households in which residents were asked about trips they had taken.</p>
SECTION 9. FEDERAL GOVERNMENT		
U.S. Internal Revenue Service <i>Statistics of Income</i> <i>Individual Income Tax Returns</i> See tables 431-436 and 438-440. <i>Corporation Income tax Returns</i> See tables 442 and 443 and in section 18, tables 875, 876, 878, 879, 898, 899, 900, and 901.	<p>Annual study of unaudited individual income tax returns, Forms 1040 and 1040A, filed by U.S. citizens and residents. Data provided on various financial characteristics by size of adjusted gross income, marital status, State of residence, and by taxable and nontaxable returns.</p> <p>Annual study of unaudited corporation income tax returns, Forms 1120 and 1120 (L, M, S, F, or DISC), filed by corporations or businesses legally defined as corporations. Data provided on various financial characteristics by industry and size of total assets, business receipts; taxable income, and income tax.</p>	<p>Stratified probability sample of 203,600 returns for tax year 1979, broken into sample strata based on State groupings and on combinations of adjusted gross income or deficit, or the largest of specific income or loss items, and business plus farm receipts. Sampling rates for sample strata varied from 05% to 100%.</p> <p>Stratified probability sample of 80,070 returns in 1979, broken into sample classes generally based on type of return, size of total assets, and size of net income or deficit (except Form 1120 DISC). Sampling rates for sample strata varied from .3% to 100%.</p>
SECTION 10. STATE AND LOCAL GOVERNMENT FINANCES AND EMPLOYMENT		
U.S. Bureau of the Census <i>Census of Governments</i> See tables in section 10 citing <i>Census of Governments</i> and section 11, table 535.	<p>Survey of all governmental units in the U.S. conducted every 5 years to obtain data on government revenue, expenditures, debt, employment and employee-retirement systems, property values, public school systems, and number, size, and structure of governments.</p>	<p>Complete census. List of units derived through classification of government units recently authorized in each State and identification, counting, and classification of existing local governments and public school systems.</p>

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
<p>States with UCR programs collect data directly from individual law enforcement agencies and forward reports, prepared in accordance with UCR standards, to FBI. Accuracy and consistency edits performed by FBI.</p> <p>Personal interviews conducted every 8 months for 3 years for each household in sample; 10,000 households interviewed monthly.</p>	<p>Not applicable.</p> <p>CV in 1980: 4% for estimate of personal robbery counts; 2% for household burglary count.</p>	<p>Coverage of 98% of the population (99% in SMSA's, 94% in rural areas) by UCR Program, though varying number of agencies report. Some error present through incorrect reporting.</p> <p>Respondents recall errors which may include reporting incidents for other than the reference period; interviewer coding and processing errors; and possible mistaken reporting or classifying of events. Adjustment is made for a household noninterview rate of about 5% and for a smaller within-household noninterview rate.</p>	<p>U.S. Federal Bureau of Investigation, <i>Crime in the United States</i>.</p> <p>U.S. Bureau of Justice Statistics, <i>Criminal Victimization in the United States, 1980</i>.</p>
<p>Quarterly personal interviews in census year with telephone followups for items missed.</p>	<p>S.E. for estimate of total household trips (312,532,000) in 1977 is approximately 7,178,000.</p>	<p>Areas of possible nonsampling errors include memory loss on the part of the respondents in reporting trips and in the methods used to estimate trip mileage. The nonresponse rate was about 10%.</p>	<p>U.S. Bureau of the Census, <i>Census of Transportation, 1977, National Travel Survey</i>, Report No. TC77-N-2.</p>
<p>Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.</p> <p>See above.</p>	<p>Estimated CV's for tax year 1979 (1980 not available): For number of returns in subgroups, ranged from .6% for returns under \$5,000 to 0% for returns over \$500,000; and from .2% for Calif., Mich., and Pa., returns to 2.9% for Vermont; for adjusted gross income less deficit, .1%; and amount of income tax, .1%.</p> <p>Estimated CV's for 1979: For number of returns in subgroups, ranged from 1.5% with assets under \$100,000 to 0% with assets over \$25 mil.; for amount of net income and amount of income tax, .1%.</p>	<p>Processing errors and errors arising from the use of tolerance checks for the data.</p> <p>See above.</p>	<p>U.S. Internal Revenue Service, <i>Statistics of Income, Individual Income Tax Returns</i>, annual.</p> <p>U.S. Internal Revenue Service, <i>Statistics of Income, Corporation Income Tax Returns</i>, annual.</p>
<p>Field compilation of financial data from official records and reports for States and large local governments; mail canvases of other units, with mail and telephone followups.</p>	<p>Not applicable.</p>	<p>Some response errors may arise due to respondents' interpretation of definitions and instructions.</p>	<p>U.S. Bureau of the Census, <i>Census of Governments, 1977</i>, various reports.</p>

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
SECTION 10. STATE AND LOCAL GOVERNMENT FINANCES AND EMPLOYMENT—Con.		
U.S. Bureau of the Census <i>Annual Surveys of State and Local Government</i> See tables citing <i>Public Employment and Governmental Finances</i> in section 10, tables 308 and 309 in section 6, and table 535 in section 11.	Sample survey conducted annually to obtain data on revenue, expenditure, debt, and employment of State and local governments. Universe is all governmental units in the U.S. (about 80,000).	Sample of about 16,000 units includes all State governments, county governments with 50,000+ population, municipalities with 25,000+ population, and other governments meeting certain financial criteria; probability sample for remaining units.
SECTION 11. SOCIAL INSURANCE AND HUMAN SERVICES		
U.S. Social Security Administration <i>Benefit Data</i> See tables 529–531 and 562. <i>Supplemental Security Income Program (SSI)</i> See tables 554–558.	All persons receiving monthly benefits under Title II of Social Security Act. Data on number and amount of benefits paid by type and State. All eligible aged, blind, or disabled persons receiving SSI benefit payments under SSI program. Data include number of persons receiving federally administered SSI, amounts paid, and State administered supplementation.	Data based on administrative records. Data based on administrative records.
(See section 1 above for information pertaining to the Current Population Survey; and section 10 for information pertaining to Census of Governments and Annual Surveys of State and Local Government.)		
SECTION 13. LABOR FORCE, EMPLOYMENT, AND EARNINGS		
U.S. Bureau of Labor Statistics (BLS) <i>Current Employment Statistics Program (CES)</i> See tables 645, 646, 653, 658, 659, 660, 661, 665, 667, and 693 and, in section 22, table 1043.	Monthly survey covering about 4 million nonagricultural establishments to obtain data on employment, hours, and earnings, by industry.	Probability sample survey of about 177,500 establishments in March 1981
(See section 1 above for information pertaining to the Current Population Survey.)		
SECTION 14. INCOME, EXPENDITURES, AND WEALTH		
(See section 1 above for information pertaining to the Bureau of the Census.)		
SECTION 15. PRICES		
U.S. Bureau of Labor Statistics (BLS) <i>Consumer Price Index (CPI)</i> See tables 744, 745, 757–759, 761, 762, 767, 770, and 771 and, in section 4, table 158. <i>Producer Price Index (PPI)</i> See tables 744, 745, 748–751, and 753; in section 25, table 1241 and in section 28, table 1331.	Monthly survey of price changes of all types of consumer goods and services purchased by urban wage earners and clerical workers prior to 1978, and urban consumers thereafter. Monthly survey of producing companies to determine price changes of all commodities produced or imported for sale in commercial transactions in primary markets in the U.S. Data on agriculture, forestry, fishing, manufacturing, mining, gas, electricity, and public utilities.	Prior to 1978, sample of various consumer items in 56 urban areas; thereafter, in 85 PSU's. Nonprobability sample of 2,800 commodities and about 10,000 respondents.

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
Field compilation of financial data from official records and reports for States and large local governments; mail canvass of other units with mail and telephone followups of nonrespondents. Data for nonresponses imputed from previous year data.	CV for estimates of major employment and financial items are generally less than 2% for most States and less than 1% for the majority of States.	Nonresponse rate about 15% for number of units (about 5% for value items). Other possible errors may result from undetected inaccuracies in classification, response, and processing.	U.S. Bureau of the Census, <i>Public Employment in 1981</i> , GE 80, No. 1, and <i>Governmental Finances in 1980-81</i> , GF 81, No. 5.
Records used consist of actions pursuant to applications for benefits, updated by subsequent post-entitlement actions. Data adjusted to reflect returned checks and overpayment refunds. For federally administered, actual adjusted amounts used; for State administered, payments deflated for average rate across all States.	Not applicable. Not applicable.	Processing errors, which are believed to be small. See above.	U.S. Social Security Administration, <i>Annual Statistical Supplement to the Social Security Bulletin</i> . See above.
Cooperating State agencies mail questionnaires to sample establishments to develop State and local estimates; information forwarded to BLS where national estimates are prepared.	Estimated CV for average weekly hours paid, .1%; for average hourly earnings, .2%.	Incorrect responses believed to be somewhat offsetting. Estimates of employment adjusted annually to reflect complete universe. Average adjustment of .2%.	U.S. Bureau of Labor Statistics, <i>Employment and Earnings</i> , Explanatory Data, tables I-O.
Prices of 400 items obtained from about 2,300 food outlets, 18,000 rental units, 18,000 housing units (for property taxes), and 22,300 other reporters in 85 areas. Prices of most goods and services obtained monthly in the 5 largest areas and every 3 months in others. Data collected by mail. If transaction prices not supplied, list prices used. Some prices obtained from trade publications, organized exchanges, and government agencies. To calculate index, price changes multiplied by their relative weights based on total net selling value of all commodities in 1972.	Estimates of standard errors are not available at present. Not applicable.	Errors result from inaccurate reporting, difficulties in defining concepts and their operational implementation, lack of systematic method for incorporating new outlets in the sample, and introduction of product quality changes and new products. Transaction prices at time of shipment not always available, so list and order prices sometimes used. Only about half of the total value of the mining and manufacturing sectors covered by current program. Double counting bias present because gross shipment values are used as weights.	U.S. Bureau of Labor Statistics, <i>The Consumer Price Index: Concepts and Content Over the Years</i> , Report 517. See also text, pp. 451 and 452. U.S. Bureau of Labor Statistics, <i>Handbook of Methods for Surveys and Studies</i> , Bulletin 1910 (1976).

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
SECTION 16. ELECTIONS		
(See section 1 above for information pertaining to tables 805 and 806.)		
SECTION 17. BANKING, FINANCE, AND INSURANCE		
(See section 4 above for information pertaining to table 869.)		
SECTION 18. BUSINESS ENTERPRISE		
U.S. Internal Revenue Service		
Statistics of Income	Annual study of unaudited income tax returns of sole proprietorships, Form 1040 with business or farm schedules. Data provided on various financial characteristics by industry, size of business receipts, and adjusted gross income.	Stratified probability sample of 79,830 sole proprietorships in tax year 1978. The sample is broken into sample classes based on type of return and on combinations of adjusted gross income or the largest of specific income or loss items and receipts.
Sole Proprietorship Returns		
See tables 875, 876, 878, and 879.		
Partnership Returns	Annual study of unaudited income tax returns of partnerships, Form 1065. Data provided on various financial characteristics by industry and size of business receipts, and total assets (partnerships only).	Stratified probability sample of 50,105 partnership returns filed for tax year 1979. The sample is broken into sample classes based on combinations of gross receipts, total income or loss, and total assets, and on industry. Sampling rates vary from .6% to 100%.
See tables 875, 876, 878, and 879.		
(See section 9 above for information pertaining to the Internal Revenue Service and section 29 below for table 897.)		
SECTION 19. COMMUNICATIONS		
(See section 29 for information pertaining to table 950.)		
SECTION 20. ENERGY		
U.S. Energy Information Administration		
Residential Energy Consumption Survey	Annual survey of households and fuel suppliers. Data obtained on energy-related household characteristics, housing unit characteristics, use of fuels, and energy consumption and expenditures by fuel type.	Probability sample of 6,634 eligible units in 131 PSU's. For responding units, fuel consumption and expenditure data obtained from fuel suppliers to those households.
See tables 978-981 and tables 1360-1362 in section 28.		
SECTION 22. TRANSPORTATION—LAND		
(See section 1 above for information pertaining to table 1079, section 2 for table 1062, and section 13 for table 1043.)		
SECTION 23. TRANSPORTATION—AIR AND WATER		
U.S. Bureau of the Census		
Foreign Trade—Export Statistics	The export declarations collected by Customs are processed each month to obtain data on the movement of U.S. merchandise exports to foreign countries. Data obtained include value, quantity, and shipping weight of exports by commodity, by country of destination, by Customs district of exportation, and by mode of transportation.	Shipper's Export Declarations are required to be filed for the exportation of merchandise valued over \$500. Customs officials collect and transmit the documents to the Bureau of the Census on a flow basis for data compilation. Probability sampling is used in the compilation process for low-value shipments i.e., shipments to Canada valued \$501-\$1,999 which account for less than 1% of total exports.
See Bureau of the Census citations for export statistics in source notes in sections 23 and 31 and also tables 1194, 1289, and 1511		

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
<p>Computer selection of sample tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.</p> <p>Computer selection of sample tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.</p>	<p>Estimated CV's tax year 1977 (1978 not available): For sole proprietorships, number of businesses, 5%; business receipts, .7%; and net income, .7%.</p> <p>Estimated upper limit CV's tax year 1979: For number of partnerships, 1.0%; and net income, .7%.</p>	<p>Processing errors and errors arising from the use of tolerance checks for the data.</p> <p>Processing errors and errors arising from the use of tolerance checks for the data.</p>	<p>U.S. Internal Revenue Service, <i>Statistics of Income, Sole Proprietorship Returns</i>.</p> <p>U.S. Internal Revenue Service, <i>Statistics of Income, Partnership Returns</i>.</p>
<p>Personal interviews. Extensive followup of nonrespondents including mail questionnaires for some households. Adjustments for nonrespondents were made in weighting for respondents. Item nonresponse resulted in imputation or placement in "don't know" response.</p>	<p>Estimated CV's: For fuel consumed and expenditures, 1.5%; for various fuels, amounts consumed ranged from 3.8% for natural gas to 9.0% for LPG.</p>	<p>Household response rate of 91.2%. Non-consumption data was mostly imputed for mail respondents (3.7% of eligible units). Complete responses from fuel suppliers for various fuels ranged from 82.5% for electricity to 54.6 for fuel oil and kerosene. Imputations of energy consumption for some master-metered apartments appear to be greatly underestimated.</p>	<p>U.S. Energy Information Administration, <i>Residential Energy Consumption Survey: Consumption and Expenditures, April 1, 1980 through March 1981</i>.</p>
<p>Statistical copies of Shipper's Export Declarations received on a daily basis from Customs ports throughout the country are subjected to a monthly processing cycle. They are fully processed to the extent they reflect items valued \$50 and over, and in the case of exports to Canada, \$2,000 and over. Estimates for shipments valued at \$500 or less are made, based on established percentages of individual country totals.</p>	<p>Estimated CV's for total value of exports about .1% and, for major commodity groupings, about 1%. CV's less than 1% for total value over \$10 million, less than 2% for totals between \$3 million and \$10 million, and less than possible errors due to rounding for value less than \$3 million.</p>	<p>Clerical and complex computer checks intercept most processing errors and minimize otherwise significant reporting errors; other nonsampling errors are caused by undercounting of exports to Canada due to the nonreceipt of some Shipper's Export Declarations.</p>	<p>U.S. Bureau of the Census, <i>U.S. Exports, Schedule E, Commodity by Country</i>, FT 410.</p>

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
SECTION 23. TRANSPORTATION—AIR AND WATER—Con.		
<p>U.S. Bureau of the Census—Con.</p> <p><i>Foreign Trade—Import Statistics</i></p> <p>See Bureau of the Census citations for import statistics in source notes in sections 23 and 31 and also tables 1289 and 1511.</p>	<p>The import entry documents collected by Customs are processed each month to obtain data on the movement of merchandise imported into the United States. Data obtained include value, quantity, and shipping weight by commodity, by country of origin, by Customs district of entry, and by mode of transportation.</p>	<p>Import entry documents are required to be filed for the importation of goods into the United States. Customs officials collect and transmit statistical copies of the documents to the Bureau of the Census on a flow basis for data compilation. A 1% sample of entries is processed for shipments valued \$250 or less, which account for less than 1% of the total import value.</p>
SECTION 24. AGRICULTURE		
<p>U.S. Bureau of the Census</p> <p><i>1978 Census of Agriculture</i></p> <p>See tables citing Census of Agriculture in section 24 and, in section 32, table 1510.</p>	<p>Census of all farm operators in the U.S. every five years, generally, to obtain data on farm acreage, crops and livestock, equipment, farm sales, income, expenses, and other items, by State and county.</p>	<p>Complete census of most farms; sample of other farms. Self-enumeration by mail using lists of persons and organizations in agriculture from the previous census, Internal Revenue Service, Dept. of Agriculture, other government agencies, and agricultural related associations. Personal enumeration of area segment sample to supplement mail lists.</p>
<p>U.S. Department of Agriculture, Statistical Reporting Service (SRS)</p> <p><i>Basic Area Frame Sample</i></p> <p>See tables citing SRS in source notes in section 24 and table 1408, which pertain to this or the following two surveys.</p>	<p>Two annual sample surveys of U.S. farm operators: June survey collects data on planted acreage and livestock inventories; December survey collects data on livestock inventories and fall-seeded crop acreage.</p>	<p>Stratified probability sample of about 16,000 land area units of about 1 sq. mile (range from .1 sq. mile in cities to several sq. miles in open grazing areas). Sample includes 60,000 parcels of agricultural land. About 20% of the sample replaced annually.</p>
<p><i>Multiple Frame Surveys</i></p>	<p>Surveys of U.S. farm operators to obtain data on major livestock inventories, selected crop acreages and production, and farm labor characteristics; and to obtain farm economic data for price indexing.</p>	<p>Primary frame from general or special purpose lists, supplemented by a probability sample of land areas used to estimate for list incompleteness.</p>
<p><i>Objective Yield Surveys</i></p>	<p>Surveys for data on corn, cotton, potatoes, soybeans, and wheat to forecast and estimate yields.</p>	<p>Random location of plots in probability sample of fields. Fields selected in June or December from Basic Area Frame Sample (see above).</p>
(See section 1 above for information pertaining to the Current Population Survey and section 23 for information pertaining to table 1194.)		
SECTION 28. CONSTRUCTION AND HOUSING		
<p>U.S. Bureau of the Census</p> <p><i>Census of Construction Industries</i></p> <p>See table 1368 and, in section 32, table 1509.</p>	<p>Census every five years. In 1977, it covered all establishments primarily engaged in contract construction, in construction for sale on their own account (operative builders), or in subdividing real property into lots (approximately 530,000 establishments with paid employees, 600,000 without paid employees).</p>	<p>Probability sample of 181,000 establishments, which comprised all medium and large size employers in the universe and a probability sample of small employers. Also, all 600,000 establishments without paid employees are included in the coverage through administrative records.</p>

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
Statistical copies of import entry documents, received on a daily basis from Customs ports of entry throughout the country, are subjected to a monthly processing cycle. They are fully processed to the extent they reflect items valued at \$251 and over.	Estimated CV for world area and country totals less than .1% for totals over \$20 million; less than .5% for totals between \$1 million and \$20 million; and less than possible errors due to rounding for values less than \$1 million.	Verification of statistical data reporting by Customs officials prior to transmittal and a subsequent program of clerical and computer checks hold nonsampling errors arising from reporting and/or processing errors to a minimum.	U.S. Bureau of the Census, <i>U.S. General Imports, Schedule A, Commodity by Country</i> , FT 135.
<p>Mail questionnaire to stratified sample (approx. 26%) of farms; shorter questionnaire to others on mail list. Nonrespondent followup by letters and phone calls. Published county data adjusted for mail list nonresponse. Supplemental direct enumeration sample provides estimates for farms not on mail list.</p> <p>Data collection by personal enumeration. Imputation based on enumerator observation or data reported by respondents having similar agricultural characteristics;</p> <p>Mail or personal interviews used for initial data collection. Mail nonrespondent followup by phone and personal interviews. Imputation based on average of respondents.</p> <p>Enumerators count and measure plant characteristics in sample fields. Production measured from plots at harvest. Harvest loss measured from post harvest gleanings.</p>	<p>Standard errors by county and State for farm acreage, value of land and buildings, various crop and livestock values given in Appendix A tables of each 1978 State volume. The estimated CV for U.S. number of farms is .22% and land in farms is .04%.</p> <p>CV's range from 1% to 2% for national estimates of major crop acreage and livestock inventories and from 3% to 8% for corresponding State estimates.</p> <p>Estimated CV for number of hired farm workers is about 3%. See above for CV's of other national and State estimates.</p> <p>CV's for national estimates of production are about 2% to 3%.</p>	<p>Estimates of undercoverage of farms (chiefly small farms) was 3.4% nationally. Adjustment for farm nonresponse as a percent of the U.S. total represented 8.5% for number of farms, 4.6% for land in farms, and 3.9% for value of products sold.</p> <p>Minimized through rigid quality controls on the collection process and careful review of all reported data.</p> <p>In addition to above, replicated sampling procedures used to monitor effects of changes in survey procedures.</p> <p>See above.</p>	<p>U.S. Bureau of the Census, <i>Census of Agriculture, 1978</i>, State and county volumes.</p> <p>U.S. Department of Agriculture, SRS, <i>Scope and Methods of the Statistical Reporting Service</i>, Miscellaneous Publication No. 1308, July 1975.</p> <p>See above.</p> <p>See above.</p>
Survey data for employers collected by questionnaire. IRS business tax forms used for establishments without paid employees. Followup on problems with questionnaire responses. Within industry, by State cross-classifications, missing data imputed based on relationships of known responses to administrative data.	Estimated CV of about 1% at national level for estimated totals of all construction and about .5% for construction subindustries.	Response rate 80% to 85% for most items. Computer scan used to identify incomplete questionnaires for review.	U.S. Bureau of the Census, <i>Census of Construction Industries, 1977</i> , vol. 1, Industry and Geographic Area Statistics.

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
<p>Data obtained by telephone inquiry and field visit.</p> <p>See "Type of Data Collection Operation." Imputation accounts for approximately 20% of estimated value of construction each month.</p>	<p>Estimated CV of 3% to 4% for estimates of national totals; as high as 20% for estimated totals of more detailed characteristics; such as residential multiunit structures.</p> <p>CV estimates for private non-residential building construction range from 3% for estimated value of industrial buildings to 10% for miscellaneous buildings. CV approximately 2% for total new private nonresidential buildings.</p>	<p>Response rate over 90% for most items. Non-sampling errors attributed to definitional problems, differences in interpretation of questions, incorrect reporting, inability to obtain information about all cases in the sample, and processing errors.</p> <p>For directly measured data series based on samples, some nonsampling errors may arise from processing errors, imputations, and misunderstanding of questions. Indirect data series are dependent on the validity of the underlying assumptions and procedures.</p>	<p>U.S. Bureau of Census, <i>Construction Reports</i>, series C20, <i>Housing Starts</i>; C22, <i>Housing Completions</i>; C25, <i>New One-Family Houses Sold and For Sale</i>; and C27, <i>Price Index of New One-Family Houses Sold</i>.</p> <p>U.S. Bureau of the Census, <i>Construction Reports</i>, series C30, <i>Value of New Construction Put in Place</i>.</p>
<p>In 1970, a self-enumeration census using a mail-out/mail-back procedure used in most areas. In 1980, mail questionnaires were used in even more areas than in 1970, with personal interviews in the remainder. Followup for nonrespondents and identification of vacant units done by phone and personal visit.</p>	<p>Evaluation programs are currently being conducted to provide information on the magnitude of both sampling (for sample items) and nonsampling errors in the 1980 census, including undercount (undercount of housing units in 1970 was estimated to be 1.4 percent).</p>		<p>U.S. Bureau of the Census, <i>U.S. Census of Population and Housing: Procedural History, 1960 and 1970</i>; and <i>1980 Census of Housing</i>, vol. 1, (HC80-1-A), Appendixes B, C, and D.</p>
<p>Survey conducted by personal interview with subsequent followup by telephone or personal visit.</p>	<p>For the national sample, illustrations of the S.E. of the estimates are provided in the appendix of each report. As an example, the estimated CV is about .4% for the estimate of the number of owner occupied housing units.</p>	<p>Response rate about 94%. Errors result from incorrect or incomplete responses, errors in coding and recording, and processing errors. For the 1980 national sample, about 650,000 units were not included in the sample coverage. A reinterview study also indicates some inconsistencies in the data, especially in some attitudinal items.</p>	<p>U.S. Bureau of the Census, <i>Current Housing Reports</i>, series H-150 and H-170, <i>Annual Housing Survey</i>.</p>

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<p>SECTION 29. MANUFACTURES</p> <p>U.S. Bureau of the Census <i>Census of Manufactures</i></p> <p>See tables citing <i>Census of Manufactures</i> in source notes in section 29 and also tables 577, 897, 950, 980, 1244, and 1508.</p> <p><i>Annual Survey of Manufactures</i></p> <p>See tables citing <i>Annual Survey of Manufactures</i> in source notes in section 29.</p> <p>(See section 24 above for information pertaining to table 1406.)</p>	<p>Conducted every five years to obtain information on labor materials, capital input and output characteristics, plant location, and legal form of organization for all plants in the United States with one or more employees. Universe was 350,000 manufacturing firms.</p> <p>Conducted annually to provide basic measures of manufacturing activity for intercensal years for all manufacturing establishments having one or more paid employees.</p>	<p>Complete enumeration of data items obtained from 205,000 firms. Administrative records from Internal Revenue Service and Social Security Administration used for 145,000 smaller single-unit firms, which were determined by various cutoffs based on size and industry.</p> <p>Sampling frame is 350,000 firms in the 1977 Census of Manufacturers (see above), supplemented by Social Security Administration lists of new manufacturers and new manufacturing establishments of multi-establishment companies identified by the Census Bureau's Company Organization Survey from which a probability sample of 55,000 establishments is selected. All establishments with 250+ employees are included along with a probability sample of smaller establishments.</p>
<p>SECTION 30. DOMESTIC TRADE AND SERVICES</p> <p>U.S. Bureau of the Census <i>Census of Wholesale Trade, Census of Retail Trade, Census of Service Industries</i></p> <p>See tables citing the above censuses in source notes in section 30, table 311 in section 8, and table 565 in section 11.</p> <p><i>Annual Trade Survey</i></p> <p>See tables 1439-1443, 1454, 1457, and 1484.</p> <p><i>Current Business Surveys</i></p> <p>See tables 1438-1442, 1454, 1457, 1458, and 1461.</p>	<p>Conducted every five years to obtain data on number of establishments, number of employees, total payroll size, and total sales. In 1972, universe was all employer establishments primarily engaged in wholesale trade, and employer and nonemployer establishments primarily engaged in retail trade or selected service industries. The universe for the 1977 Census of Retail Trade and Wholesale Trade was the same. 1977 Census of Service Industries was expanded to cover several new service industries.</p> <p>Annual survey to obtain estimates of retail and wholesale sales and end-of-year inventories in the U.S. represents all employers and nonemployer retail establishments operating during the calendar year.</p> <p>Provides monthly estimates of retail sales by kind of business and geographic area, and end of month inventories of retail stores; wholesale sales and end-of-month inventories; and receipts of selected service industries.</p> <p>Identification number. The largest firms are included monthly; a sample of others is included every three months on a rotating basis. The area frame covers businesses not subjected to sampling on the list frame. The area sample consists of selected land segments in which all in-scope businesses are canvassed and those businesses determined not to be subjected to sampling on the list frame are tabulated.</p>	<p>All wholesale firms with paid employees surveyed; all large retail and service firms with 4+ paid employees surveyed plus a sample of smaller firms. Firms with no employees were not required to file a census return.</p> <p>Probability sample comprised of retail and wholesale firms in the sample of the Current Business Surveys; see below.</p> <p>Probability sample of establishments from a list frame and for retail and service an area frame. List frame is the Bureau's Standard Statistical Establishment List (SSEL) updated quarterly for recent "births" from the Social Security Administration list of establishments having an employer</p>
<p>SECTION 31. FOREIGN COMMERCE AND AID</p> <p>(See section 23 above for information pertaining to tables citing import and export statistics in source notes in this section.)</p>		

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
<p>Five mail and telephone followups for larger nonrespondents. Data for small single-unit firms (generally those with fewer than 10 employees) not mailed census questionnaires are estimated from administrative records of IRS and SSA. Data for nonrespondents imputed from related responses or administrative records from IRS and SSA. Approximately 3.7% of total value of shipments was represented by fully imputed records in 1977.</p> <p>Survey conducted by mail with phone and mail followups of nonrespondents. Imputation (for all nonresponse items) based on previous year reports, or for new establishments in survey, on industry averages.</p>	<p>Not applicable.</p> <p>Estimated CV's for number of employees and for value added totals given in annual publications. For State totals, most estimated CV's are 2% or less, but vary considerably for detailed characteristics.</p>	<p>Based on evaluation studies, estimates of nonsampling errors for 1972 were about 1.3% for estimated total payroll; 2% for total employment; and 1% for value of shipments. Estimates for 1977 are not available.</p> <p>Response rate about 85%. Nonsampling errors include those due to collection, reporting, and transcription errors, many of which are corrected through computer and clerical checks.</p>	<p>U.S. Bureau of the Census, <i>Census of Manufactures, 1977</i>, vol. 1, <i>Subject and Special Statistics</i>.</p> <p>U.S. Bureau of the Census, <i>Annual Survey of Manufactures</i>, and Technical Paper 24.</p>
<p>Mail and telephone followups for nonrespondents. Data for nonrespondents and "nonselected" firms in retail trade and service industries from administrative records of IRS and the Social Security Administration. Imputation from related responses or administrative records from IRS or SSA.</p> <p>Survey questionnaire mailed early in year and followed by mail and phone followups. Imputation based on previous reports of the firm in current monthly surveys or latest census, supplemented by administrative records.</p> <p>Data collected by mail with telephone followup for nonrespondents. Imputation made for each nonresponse item and each item failing edit checks.</p>	<p>Not applicable.</p> <p>CV's for total retail and wholesale estimates of sales and inventories are about 1%. For more detailed estimates by kind of business, or geographic areas, estimated CV's range from 0 to 8%.</p> <p>CV's about .8% for estimated total retail sales, 2.4% for wholesale sales, 2.0% for wholesale inventories, and 1.5% for selected service receipts. Sampling errors shown in monthly publications,</p>	<p>Response rate 85% for single establishment firms; 92% for multi-establishment firms. Item response ranged from 80% to 90% with higher rates for less detailed questions,</p> <p>Imputation rates are about 5% to 7% for annual retail sales and inventory and about 9% to 11% for annual wholesale sales and inventory.</p> <p>Imputation rates are about 10%-15% for monthly retail sales, wholesale sales, and selected services receipts and about 20%-25% for monthly wholesale inventories.</p>	<p>U.S. Bureau of the Census, <i>Appendix A of Census of Retail Trade</i>, vol. 1; <i>Census of Service Industries</i>, vol. 1; <i>Census of Wholesale Trade</i>, vol. 1; and <i>History of the 1977 Economic Censuses</i>, December 1980.</p> <p>U.S. Bureau of the Census, <i>Current Business Reports, 1980 Retail Trade and 1980 Wholesale Trade</i>.</p> <p>U.S. Bureau of the Census, <i>Current Business Reports, Monthly Retail Trade, Monthly Wholesale Trade, and Monthly Selected Services Receipts</i>.</p>

APPENDIX IV

Guide to Sources of Statistics

Alphabetically arranged by subject, this guide contains references to the important primary sources of statistical information for the United States. Secondary sources have been included if the information contained in them is presented in a particularly convenient form or if primary sources are not readily available. Nonrecurrent publications presenting compilations or estimates for years later than 1972 or types of data not available in regular series are also included.

Much valuable information may also be found in State reports (see pp. 963-966) and in reports for particular commodities, industries, or similar segments of our economic and social structure, many of which are not included here.

Publications listed under each subject are divided into two main groups: "U.S. Government" and "Other." The location of the publisher of each report is given except for Federal agencies located in Washington, D.C. Most Federal publications may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, tel. (202) 783-3238, or from Government Printing Office bookstores in certain major cities. In some cases, Federal publications may be obtained from the issuing agency.

Major reports, such as the Census of Population, which consist of many volumes, are listed by their general, all-inclusive titles.

Abortions—see Vital Statistics.

Accidents—See also Health; Insurance; and Vital Statistics

U.S. Government

Bureau of Labor Statistics

Occupational Injuries and Illnesses in the United States by Industry, 1980. Annual. (Bulletin No. 2130.)

Civil Aeronautics Board

Supplement to the Handbook of Airline Statistics. Biennial.

Department of Transportation

Transportation Safety Information Report. Quarterly.

Federal Railroad Administration

Accident/Incident Bulletin. Summary, statistics, and analysis of accidents on railroads in United States. Annual.

Advance Accident/Incident Bulletin. A preliminary summary of accident data covering incidents causing more than \$2,300 damage, casualties from rail operations, and rail-highway grade crossing accidents.

Rail-Highway Crossing Accident/Incident and Inventory Bulletin. Annual.

Summary Statistics of the National Railroad-Highway Crossing Inventory For Public At-Grade Crossings. An inventory which contains data on the physical and operational characteristics of

Accidents—Con.

U.S. Government—Con.

Federal Railroad Administration—Con.

the 402,000 railroad-highway crossings in the United States.

Mine Safety and Health Administration

Informational Reports by Mining Industry: Coal, Metallic Minerals, Nonmetallic Minerals (except stone and coal), Stone, Sand, and Gravel. Annual.

Mine Injuries and Worktime. (Preliminary data.) Quarterly.

National Center for Health Statistics

Current Estimates from the Health Interview Survey. Annual.

Vital Statistics of the United States. Annual.

National Transportation Safety Board.

Accidents. Annual.

Other

Metropolitan Life Foundation, New York
Statistical Bulletin. Quarterly.

National Fire Protection Association,
Quincy, Mass.

Fire Facts. Annual.

Fire Journal. Bimonthly.

Safety Council, Chicago

Facts. Annual.

Agriculture—see also Food; Irrigation; Labor; Money and Banking; and Population

U.S. Government

Bureau of the Census

Census of Agriculture. Quinquennial. (1978, most recent.)

U.S. Commodity Exports and Imports as Related to Output. Annual. (Series ES2.)

Bureau of the Census and Bureau of Mines
Raw Materials in the United States Economy, 1900-1977. (Issued 1980, Working Paper No. 47.)

Commodity Futures Trading Commission

Commodity Futures Statistics. Annual. (Statistical Bulletin No. 516.)

Department of Agriculture

Agricultural Finance Statistics. Annual.

Agricultural Outlook. Monthly.

Agricultural Price Reports. Reports on prices received for farm commodities, prices paid for farm supplies, indexes and parity ratios. Monthly and annual.

Agricultural Statistics. Annual.

Commodity Credit Corporation Report of Financial Condition and Operations. Quarterly.

Conversion Factors and Weights and Measures for Agricultural Commodities and Products. March 1979. (Statistical Bulletin No. 616.)

Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics. Annual. (Statistical Bulletin No. 674.)

Economic Indicators of the Farm Sector: Production and Efficiency Statistics. Annual. (Statistical Bulletin No. 657.)

Economic Indicators of the Farm Sector: State Income and Balance Sheet Statistics. Annual. (Statistical Bulletin No. 661.)

Farm Real Estate Market Developments. Annual with supplements.

Farm Real Estate Taxes. Annual.

Farm-Retail Spreads for Food Products. (Miscellaneous Publication No. 741.) 1972.

Field Crop Reports. Acreage, yield, production, and value of various commodities. Periodic.

Food Consumption, Prices, and Expenditures, 1960-80. (Agricultural Economics Report No. 672.) Revised annually.

Foreign Agricultural Trade of the United States (FATUS). Monthly with annual supplements on calendar year and fiscal year trade data.

Foreign Ownership of U.S. Agricultural Land. 1980. (Agricultural Economic Report No. 447.)

Agriculture—Con.

U.S. Government—Con.

Department of Agriculture—Con.

Fruit and Vegetable Reports. Acreage, yield, production, value, and utilization of various fruits and vegetables. Periodic.

Handbook of Agricultural Charts. (Agricultural Handbook No. 574.) Annual.

The Hired Farm Working Force. Biennial.

Landownership in the United States. 1978. (Agricultural Economic Report No. 435.)

Livestock and Livestock Products. Reports pertaining to cattle, cattle on feed, hogs and pigs, lamb crop and wool, livestock slaughter, sheep and goats, sheep on feed, and wool and mohair. Periodic.

Major Uses of Land in the United States. Summary for 1974. November 1979. (Agricultural Economics Report No. 440.)

Milk and Dairy Products Reports. Milk production, dairy products, butter, and American cheese production reports. Weekly, monthly, annual.

Other Reports. Reports on varied items including cold storage, commercial fertilizer, farm employment and wages, farm numbers, farm production expenditures, floriculture, honey, maple sirup, milk, mushrooms, naval stores. Monthly, quarterly, annual.

Outlook for U.S. Agricultural Exports. Quarterly.

Poultry and Egg Reports. Reports covering eggs, chickens, turkeys, hatcheries, and poultry slaughter. Weekly, monthly, annual.

Seed Crop Reports. Acreage, yield, production, value of various seed crops. Periodic.

Situation Reports. Issued for cotton and wool, dairy products, fats and oils, feed, fertilizer, fruit, livestock and meat, poultry and eggs, rice, sugar and sweeteners, tobacco, vegetables, wheat, aquaculture and world agriculture. Monthly, quarterly, annual.

Statistics of Farmer Cooperatives. Annual.

Stock Reports. Stocks of grain, hogs, peanuts, potatoes, rice, and soybeans. Monthly, quarterly, annual.

U.S. Food Expenditures, 1954-1978. August 1979. (Agriculture Economic Report No. 431.)

Weekly Weather and Crop Bulletin. Report summarizing weather and its effect on crops the previous week.

Agriculture—Con.*U.S. Government—Con.***Farm Credit Administration**

Annual Report.

Loans and Discounts of Farm Credit Banks and Associations. Annual.

National Oceanic and Atmospheric Administration

Weekly Weather and Crop Bulletin.

National summary.

Air Force—see National Defense.**Air Pollution—see Environment.****Allens—see Immigration.****American Samoa—see Outlying Areas.****Area—see Geography.****Army—see National Defense.****Aviation—see Transportation.****Banks and Banking—see Money.****Births—see Vital Statistics.****Broadcasting—see Communications.****Building Permits—see Construction.****Business—see also Economic Indexes; Investments; Manufactures; Retail and Wholesale Trade; Scientific Resources; and Service Establishments.***U.S. Government***Administrative Office of the United States Courts**

Annual Report of the Director.

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin Monthly.

Bureau of the Census

Census of Retail Trade. Quinquennial. (1977, most recent.)

Census of Service Industries. Quinquennial. (1977, most recent.)

Census of Wholesale Trade. Quinquennial. (1977, most recent.)

County Business Patterns. Annual.

Current Business Reports. Retail Trade, Sales, and Inventories, BR; and Wholesale Trade, Sales, and Inventories, BW.

Mergers & Acquisitions, 1972-1974. 1978.

Minority-Owned Businesses: 1977.

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics. 1979 Biennial Edition. 1981.

Business—Con.*U.S. Government—Con.***Bureau of Economic Analysis—Con.**

The Detailed Input-Output Structure of the U.S. Economy, 1972. 1979.

Fixed Reproducible Tangible Wealth in the United States, 1925-79. 1982

Handbook of Cyclical Indicators. 19

The National Income and Product Accounts of the United States, 1976: Statistical Tables. 1981.

The National Income and Product Accounts of the United States, 1979. 1981.

Selected Data on U.S. Direct Investment Abroad, 1950-76. 1982.

Summary Input-Output Tables of the Economy: 1973, 1974, and 1980. (Staff Paper No. 37.)

Survey of Current Business. Monthly

Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President. Annual.

Department of Commerce, Bureau of Industrial Economics

U.S. Industrial Outlook. Annual.

Federal Trade Commission

Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations

Statistical Report on Mergers and Acquisitions. Annual through 1979.

Working Capital for U.S. Nonfinancial Corporations. Quarterly. Beg August 1978 published by the Federal Reserve Board.

Internal Revenue Service

Statistics of Income.

Business Income Tax Returns. A Corporation Tax Returns. Annual.

Statistics of Income Bulletin. Quarterly

Patent and Trademark Office

Commissioner of Patents and Trademarks Annual Report.

Securities and Exchange Commission

SEC Monthly Statistical Review.

Small Business Administration

Annual Report.

*Other*The Conference Board, New York
Economic Road Maps. Monthly.

Business—Con.*Other—Con.*

Dun & Bradstreet, Inc., New York
 The Failure Record. Annual.
 Monthly Failure Report.
 Monthly New Business Incorporation Report.
 Quarterly Business Starts.
 Quarterly Businessmen's Expectations Report.

Fortune (Time, Inc.), New York
 The Fortune Directory of the 500 Largest Industrial Corporations. (Annual supplement to Fortune.)

National Bureau of Economic Research, Cambridge, Mass.

The American Economy in Transition, Martin Feldstein, editor. 1980. (University of Chicago Press, Chicago.)

Business Cycles, Inflation, and Forecasting, by Geoffrey H. Moore. 1980. (Studies in Business Cycles 24.) (Ballinger Press, Cambridge, Mass.)

Conference on Research in Taxation, Michael Boskin, editor. Published as Supplement to Journal of Political Economy, April 1978. (Vol. 86, No. 2, part 2.)

Conference on Secular Inflation, Karl Brunner, editor. 1973. (Universities—National Bureau Conference 25.) (Supplement to Journal of Money, Credit, and Banking, No. 1, part 2. University Microfilms, Ann Arbor.)

Factors in Business Investment, by Robert Eisner. 1978. (General Series 102.) (Ballinger Publishing Co., Cambridge, Mass.)

The Formation and Stocks of Total Capital, by John W. Kendrick. 1976. (General Series 100.) (Columbia University Press, Irvington, N.Y.)

Institutional Investors and Corporate Stock—A Background Report. Raymond Goldsmith, editor. 1973. (Studies in Capital Formation and Financing 13.) (Columbia University Press, Irvington, N.Y.)

The Measurement of Capital, Dan Usher, editor. 1980. (Studies in Income and Wealth 45.) (University of Chicago Press, Chicago.)

New Developments in Productivity Measurement, John W. Kendrick and Beatrice N. Vaccara, editors. 1980. (Studies in Income and Wealth 44.) (University of Chicago Press, Chicago.)

Orders, Production, and Investment—A Cyclical and Structural Analysis, by Victor Zarnowitz. 1973. (Business Cycles 22.) (Columbia University Press, Irvington, N.Y.)

Business—Con.*Other—Con.*

National Bureau of Economic Research, Cambridge, Mass.—Con.

Postwar Productivity Trends in the United States, by John W. Kendrick. 1973. (General Series 98.) (Columbia University Press, Irvington, N.Y.)

Child Welfare—*see* Education; *and* Social Insurance.

City Government—*see* State and Local Government.

Civil Service—*see* Federal Government; *and* State and Local Government.

Climate—*see also* Health

U.S Government

National Oceanic and Atmospheric Administration

Climatological Data. National Summary; also issued in sections for States and outlying areas. Monthly with annual summary.

Comparative Climatic Data Through 1979.

Daily River Stages. Annual.

General Summary of Tornadoes. Annual.

Hourly Precipitation Data. Monthly with annual summary; for each State.

Local Climatological Data. Monthly with annual summary; for major cities.

Storm Data. Monthly.

Weekly Weather and Crop Bulletin. National summary.

Commerce—*see* Foreign Commerce; Retail and Wholesale Trade; *and* Transportation.

Commodity Prices—*see also* Economic Indexes

U.S Government

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of Labor Statistics

Announcement to Users of the Consumer Price Index. 1978.

Consumer Price Index. Monthly.

Consumer Prices; Energy and Food. Monthly.

Consumer Price Index, U.S. City Average and Selected Items, Groups, and Areas. Monthly.

Facts About the Revised Consumer Price Index. 1978.

Handbook of Labor Statistics. Periodic.
 Monthly Labor Review.

Commodity Prices—Con.*U.S. Government—Con.***Bureau of Labor Statistics—Con.**

Producer Prices and Price Indexes.
Monthly and annual.

Productivity and Costs. Quarterly.

Productivity and Costs in Nonfinancial
Corporations. Quarterly.

U.S. Import and Export Price Indexes.
Quarterly.

Department of Agriculture

Agricultural Price Reports. Monthly and
annual.

Agricultural Statistics. Annual.

*Other***Commodity Research Bureau, New York**

Commodity Chart Service. Weekly.

Commodity Yearbook. Annual.

Commodity Yearbook Statistical Abstract
Service. Quarterly. (3 editions annual-
ly.)

CRB Commodity Index Report. Weekly.

**Morgan Guaranty Trust Company of New
York**

The Morgan Guaranty Survey. Monthly.
(Wholesale price index.)

Wall Street Journal. (Dow Jones & Co.,
New York.) Daily except Saturdays,
Sundays, and holidays.

Communications—see also Newspapers*U.S. Government***Federal Communications Commission**

AM-FM Broadcast Financial Data.
Annual. (Discontinued in 1981.)

Annual Report.

Cable Television Revenues. Annual.

Statistics of Communications Common
Carriers. Annual.

TV Broadcast Financial Data. Annual.

Rural Electrification Administration

Statistical Report—Rural Telephone Bor-
rowers. Annual.

U.S. Postal Service

Annual Report of the Postmaster Gener-
al.

Revenue and Cost Analysis. Annual.

*Other***John Blair & Company, New York**

Statistical Trends in Broadcasting.
Annual.

Communications—Con.*Other—Con.*

Book Industry Study Group, Inc., Darien,
Conn.

Book Industry Trends. Annual.

Broadcasting Publications, Inc., Washing-
ton, D.C.

Broadcasting Magazine. Weekly.

Broadcasting Cablecasting Yearbook.

Corporation for Public Broadcasting, Wash-
ington, D.C.

Public Broadcasting Income. Annual.

Public Radio and Television Programming
Content by Category. Biennial.

Public Radio Subscription Programs.
Annual.

Summary Statistical Report of PTV
Licensees. Annual.

Summary Statistical Report of Public
Radio Stations. Annual.

TV Subscription Membership Programs.
Annual.

Editor & Publisher Co., Inc., New York
International Year Book. Annual.

Market Guide. Annual.

Electronic Industries Association, Washing-
ton, D.C.

Electronic Market Data Book. Annual.

Electronics Foreign Trade. Monthly.

Radio Advertising Bureau, New York

Radio Facts. Annual.

Television Digest, Inc., Washington, D.C.

Cable and Station Coverage Atlas.
Annual.

Television Factbook. Annual.

United States Independent Telephone
Association, Washington, D.C.

Statistics of the Independent Telephone
Industry. Annual.

**Construction, Housing, and Real Estate—see
also Money and Roads***U.S. Government*

Board of Governors of the Federal Reserve
System

Federal Reserve Bulletin. Monthly.

Bureau of Census

Census of Construction Industries. Quin-
quennial. (1977, most recent.)

**Construction, Housing, and Real Estate—
Con.**

U.S. Government—Con.

Bureau of Census—Con.

Census of Housing. Decennial. (1980, most recent.)

Current Construction Reports: Housing Starts, C20 (monthly); New Residential Construction in Selected Standard Metropolitan Statistical Areas, C21 (quarterly); Housing Completions, C22 (monthly); New One-Family Houses Sold and for Sale, C25 (monthly with annual report, Characteristics of New Housing); Price Index of New One-Family Houses Sold, C27 (quarterly); Value of New Construction Put in Place, C30 (monthly with occasional historical supplement); Housing Units Authorized by Building Permits and Public Contracts, C40 (monthly and annual); Residential Alterations and Repairs, C50 (quarterly and annual).

Current Housing Reports: Housing Vacancies, H-111 (quarterly and annual); Market Absorption of Apartments, H-130 (quarterly and annual); Characteristics of Apartments Completed, H-131 (annual); Annual Housing Survey, H-150 (series of six annual reports); Annual Housing Survey—Housing Characteristics for Selected Metropolitan Areas, H-170.

Social Indicators, 1973; 1976; III.

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics. 1979 Biennial Edition. 1981.

Fixed Reproducible Tangible Wealth in the United States, 1925-79. 1982.

Handbook of Cyclical Indicators. 1977.

The National Income and Product Accounts of the United States, 1929-76: Statistical Tables. 1981.

The National Income and Product Accounts of the United States, 1976-1979. 1981.

New Structures and Equipment by Using Industries, 1972: Detailed Estimates and Methodology. 1980. (Staff Paper No. 35.)

Survey of Current Business. Monthly.

Bureau of Industrial Economics

Construction Review. Bimonthly.

Bureau of Labor Statistics

Consumer Price Index. Monthly. (Housing, rent, and home ownership indexes.)

Employment and Earnings. Monthly.

**Construction, Housing, and Real Estate—
Con.**

U.S. Government—Con.

Bureau of Labor Statistics—Con.

Labor and Material Requirements for (selected types of) Construction. (Bulletins issued at irregular intervals.)

Monthly Labor Review.

Rent or Buy? Evaluating Alternatives in the Shelter Market. 1979. (Bulletin No. 2016.)

Supplement to Employment and Earnings, Revised Establishment Data. Annual.

Supplement to Employment and Earnings, States and Areas Data. Annual.

Department of Housing and Urban Development

Statistical Yearbook. (Discontinued with 1979 edition.)

Survey of Mortgage Lending Activity. Monthly and quarterly.

Energy Information Administration

Nonresidential Buildings Energy Consumption Survey: Building Characteristics, 1981.

Residential Energy Consumption Survey: Housing Characteristics, 1980. 1982.

Federal Home Loan Bank Board.

Annual Report.

Savings and Home Financing Source Book. Annual.

Veterans Administration

Loan Guaranty Highlights. Monthly.

Other

Dodge, F.W., Division, McGraw-Hill Information Systems Co., New York

Dodge Construction Potentials. Monthly.

National Association of Realtors, Washington, D.C.

Existing Home Sales. Monthly.

National Bureau of Economic Research, Cambridge, Mass.

Long Swings in Urban Development, by Manuel Gottlieb. 1976. (Urban and Regional Studies 4.) (Columbia University Press, Irvington, N.Y.)

Residential Location and Urban Housing Markets, by Gregory K. Ingram, editor. 1978. (Income and Wealth 43.) (Ballinger Publishing Company, Cambridge, Mass.)

**Construction, Housing, and Real Estate—
Con.***Other—Con.*

Whitman, Requardt and Associates, Baltimore

The Handy-Whitman Index of Public Utility Construction Costs. Semiannual.

**Consumer Income and Expenditures, and
Personal Income—see also Agriculture;
Economic Indexes; Investments; and Na-
tional Income***U.S. Government*

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of the Census

Census of Population. Decennial. (1980, most recent.)

Current Population Reports. (Series on Consumer Income, P-60.)

Bureau of Economic Analysis

Local Area Personal Income, 1975-80. Annual personal income by type of income and by major industries, and population and per capita income, for States, counties, BEA economic areas, and standard metropolitan statistical areas. Nine volumes published by the Government Printing Office, Washington, D.C.

Survey of Current Business. Monthly.

Bureau of Labor Statistics

Consumer Expenditure Survey:

Diary Survey, July 1972-June 1974. 1977. (Bulletin No. 1959.)

Integrated Diary and Interview Survey Data, 1972-1973—Total Expenditures and Income for the United States and Selected Areas. 1978. (Bulletin No. 1992.)

Interview Survey, 1972-73. 1978. (Bulletin No. 1997.)

Vol. I: U.S. Tables—Families Classified by Ten Family Characteristics.

Vol. II: Regional Tables—Families Classified by Income for Four Regions.

Consumer Expenditure Survey Series:

Diary Survey, July 1973-June 1974. 1976. (Reports 448-1 to 4.)

Interview Survey, 1972-73. 1977. (Reports 455-1 to 5.)

Interview Survey, 1972-73—Annual Expenditures and Sources of Income Cross-Classified by Family Characteristics, 1972 and 1973 Combined. 1978. (Bulletin No. 1985.)

Handbook of Labor Statistics. Periodic.

**Consumer Income and Expenditures, and
Personal Income—Con.***U.S. Government—Con.*

Bureau of Labor Statistics—Con.

Monthly Labor Review.

Three Budgets for a Retired Couple in Urban Areas of the United States. (Bulletin No. 1570-6 and supplements.) Updated in annual press releases; titles vary.

Three Standards of Living for an Urban Family of Four Persons. (Bulletin No. 1570-5 and supplements.) Updated in annual press releases; titles vary.

Internal Revenue Service

Statistics of Income. (Annual report on Individual Income Tax Returns. Supplemental. Report on Personal Wealth.)

Statistics of Income Bulletin. Quarterly.

Other

National Bureau of Economic Research, Cambridge, Mass.

Household Production and Consumption. Nestor E. Terleckyj, editor. 1976. (Studies in Income and Wealth, vol. 40.) (Columbia University Press, Irvington, N.Y.)

The Measurement of Economic and Social Performance. Milton Moss, editor. 1974. (Studies in Income and Wealth, vol. 38.) (Columbia University Press, Irvington, N.Y.)

National Consumer Finance Association, Washington, D.C.

Finance Facts Yearbook. Annual.

Consumer Prices—see *Commodity Prices*.

Corporations—see *Business; and Manufactures*

Correctional Institutions—see *Law Enforcement*

Cost of Living—see *Commodity Prices*.

Courts—see *Law Enforcement*.

Crime—see *Law Enforcement*.

Crops—see *Agriculture*.

Deaths—see *Vital Statistics*.

Defense—see *National Defense*.

Divorce—see *Vital Statistics*.

Domestic Trade—see *Retail and Wholesale Trade*.

Drainage—see *Irrigation*.

Economic Indexes—*see also* Agriculture; Business; Commodity Prices; *and* Manufacturers

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Banks

Monthly review published by each bank with special reference to its own Federal Reserve district.

Federal Reserve Bulletin. Monthly. (Also monthly releases on business and industrial production indexes.)

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics. 1979 Biennial Edition. 1981.

Handbook of Cyclical Indicators. 1977.

Survey of Current Business. Monthly.

The National Income and Product Accounts of the United States, 1929-76: Statistical Tables. 1981.

The National Income and Product Accounts of the United States, 1976-79. 1981.

Bureau of Labor Statistics

Employment Projections for the 1980's. 1979. (Bulletin No. 2030.)

Monthly Labor Review.

Productivity and Costs. Quarterly.

Productivity Measures for Selected Industries. Annual.

The Structure of the U.S. Economy in 1980 and 1985. 1975. (Bulletin No. 1831.)

The U.S. Economy in 1985. 1974. (Bulletin No. 1809.)

U.S. Import and Export Price Indexes. Quarterly.

Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President. Annual.

Other

Business Week. (Billboard Publications, Inc., New York.) (Index of Business Activity.)

The Conference Board, New York

The Conference Board Statistical Bulletin. Monthly.

National Bureau of Economic Research, Cambridge, Mass.

The American Economy in Transition, Martin Feldstein, editor. 1980. (University of Chicago Press, Chicago.)

Business Cycles, Inflation, and Forecasting, by Geoffrey H. Moore. 1980.

Economic Indexes—Con.

Other—Con.

National Bureau of Economic Research, Cambridge, Mass.—Con.

(Studies in Business Cycles 24.) (Ballinger Publishing Co., Cambridge, Mass.)

Conference on Secular Inflation, Karl Brunner, editor. 1973. (Universities-National Bureau Conference 25.) (Supplement to Journal of Money, Credit, and Banking, No. 1, part 2. University Microfilms, Ann Arbor.)

Dating U.S. Growth Cycles, by Ilse Mintz, Exploration in Economic Research, vol. I, No. 1. Summer 1974. (University Microfilms, Ann Arbor.)

The Financial Effects of Inflation, by Philip Cagan and Robert E. Lipsey. 1978. (General Series 103.) (Ballinger Publishing Co., Cambridge, Mass.)

The Measurement of Economic and Social Performance, Milton Moss, editor. 1974. (Studies in Income and Wealth, vol. 38.) (Columbia University Press, Irvington, N.Y.)

New Developments in Productivity Measurement, John W. Kendrick and Beatrice N. Vaccara, editors. 1980. (Studies in Income and Wealth 44.) (University of Chicago Press, Chicago.)

Orders, Production and Investment—A Cyclical and Structural Analysis, by Victor Zarnowitz. 1973. (Business Cycles 22.) (Columbia University Press, Irvington, N.Y.)

Postwar Productivity Trends in the United States, by John W. Kendrick. 1973. (General Series 98.) (Columbia University Press, Irvington, N.Y.)

Education—*see also* Scientific Resources; *and* Vocational Rehabilitation

U.S. Government

Bureau of the Census

Census of Population. Decennial. (1980, most recent.)

Current Population Reports. (Series on Population Characteristics, P-20; Technical Studies, P-23; and Population Estimates, P-25.)

Finances of Public School Systems. Annual. (GF No. 10.)

Social Indicators, 1973; 1976; III.

Bureau of Indian Affairs

Statistics Concerning Indian Education. Annual.

Bureau of Labor Statistics

Handbook of Labor Statistics. Periodic. Monthly Labor Review.

Education—Con.*U.S. Government—Con.***Bureau of Labor Statistics—Con.**

Occupational Projections and Training Data. Annual.

Department of Education
Annual Report.

Higher Education Prices and Price Indexes. 1976. Supplemented annually.

Employment and Training Administration
Employment and Training Report of the President. Annual.

Equal Employment Opportunity Commission
Employment Opportunity in the Schools. Minorities and women in public elementary and secondary schools. 1979.

Employment Opportunity in State and Local Government. Minorities and women in State and local government. 1980.

National Center for Education Statistics

Associate Degrees and Other Formal Awards Below the Baccalaureate. Annual.

College and University Library Survey. (1979, most recent.)

The Condition of Education. Annual.

Digest of Education Statistics. Annual.

Earned Degrees Conferred. Annual.

Faculty Salaries, Tenure, and Benefits. Annual.

Fall Enrollment in Higher Education. Annual.

Financial Statistics of Institutions of Higher Education. Annual.

National Longitudinal Study. Reports issued 1972-78 on high school seniors from class of 1972 and their transition to higher education and the labor force.

Participation in Adult Education. (1981, most recent.)

Projections of Education Statistics. Biennial.

Residence and Migration of College Students. (1979, most recent.)

Revenues and Expenditures for Public Elementary and Secondary Education. Annual.

Statistics of Public Elementary and Secondary School Systems. Fall. Annual.

National Science Foundation

Academic Science: Graduate Enrollment and Support. Annual.

Academic Science: R&D Funds. Annual.

Academic Science: R&D Funds, Scientists and Engineers, and Graduate Enrollment and Support. Annual.

Education—Con.*U.S. Government—Con.***National Science Foundation—Con.**

Academic Science: Scientists and Engineers. Annual.

Activities of Science and Engineering Faculty in Universities and 4-Year Colleges: 1978-79. Special report. (NSF 81-323.)

Employment Patterns of Academic Scientists and Engineers, 1973-78. Special report. (NSF 80-314.)

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions. A report to the President and Congress. Annual.

Foreign Participation in U.S. Science and Engineering Higher Education and Labor Markets. Special report. (NSF 81-316.)

Projections of Degrees and Enrollment in Science and Engineering Fields to 1985. Special report. (NSF 76-301.)

Projections of Science and Engineering Doctorate Supply and Utilization, 1982 and 1987. Special report. (NSF 79-303.)

Science and Engineering Personnel: A National Overview. Biennial.

Science Resources Studies Highlights. Frequent.

Hiring of Science and Engineering Faculty by 2- and 4-Year Colleges. (NSF 78-309.)

Tenure Practices in Universities and 4-Year Colleges. (NSF 81-300.)

Trends in Science and Engineering Degrees, 1950 through 1980. (NSF 81-320.)

Universities Spent 6% of Separately Budgeted R&D Expenditures for Research Equipment in 1980. (NSF 82-316.)

Stock of Science and Engineering Master's Degree-Holders in the United States. Special report. (NSF 81-302.)

Women and Minorities in Science and Engineering. Special report. (NSF 82-302.)

Young and Senior Science and Engineering Faculty. Special report. (NSF 81-319.)

Office for Civil Rights

Racial, Ethnic and Sex Enrollment Data. From Institutions of Higher Education. Fall 1980.

State, Regional, and National Summaries of Data from the Fall 1980 Civil Rights Survey of Elementary and Secondary Schools. Biennial.

Education—Con.*Other*

American Council on Education, Washington, D.C.

A Fact Book on Higher Education. Quarterly.

National Norms for Entering College Freshmen. Annual.

Bowker (R.R.) Company, New York.

American Library Directory. Annual.

The Bowker Annual of Library and Book Trade Information.

Educational Media Yearbook. Annual.

College Entrance Examination Board, Washington, D.C.

National Report on College-Bound Seniors. Annual.

National Bureau of Economic Research, Cambridge, Mass.

Education as an Industry, by Joseph N. Froomkin, Dean T. Jamison, and Roy Radner, editors. (NBER 28.) (Ballinger Publishing Co., Cambridge, Mass.)

Education, Income, and Human Behavior, by F. Thomas Juster. 1974. (Other Conference 9.) (McGraw-Hill Book Co., New York.)

Schooling, Experience, and Earnings, by Jacob Mincer. 1974. (Human Behavior and Social Institutions 2.) (Columbia University Press, Irvington, N.Y.)

National Catholic Educational Association, Washington, D.C.

Catholic Schools in America. Annual.

U.S. Catholic Schools. (1973-74, most recent.)

National Education Association, Washington, D.C.

Estimates of School Statistics. Annual.

Rankings of the States. Annual.

Status of the American Public School Teacher, 1980-81. Quinquennial.

Teacher Supply and Demand in Public Schools, 1980-81, with Population Trends and Their Implications for Schools. 1981. Annual.

Elections*U.S. Government***Bureau of the Census****Congressional District Data:**

Districts of the 93d Congress. 1973.

Districts of the 94th Congress. Reports for California, New York, and Texas. 1974.

Current Population Reports. (Series on Population Characteristics, P-20; P-23, No. 74, Registration and Voting in Nov.

Elections—Con.*U.S. Government—Con.***Bureau of the Census—Con.**

1976—Jurisdictions Covered by Voting Rights Act Amendments of 1975 (one-time survey); and Population Estimates, P-25.)

Commission on Civil Rights

The Voting Rights Act: Ten Years After. 1975.

Congress. Clerk of the House

Statistics of the Presidential and Congressional Election Years. Biennial.

Congress. Joint Committee on Printing

Congressional Directory. Biennial.

Other

Council of State Governments, Lexington, Ky.

The Book of the States and its Supplement I, State Elective Officials and the Legislatures. Biennial.

State Legislative Leaders, Committees, and Staff. Biennial.

Elections Research Center, Washington, D.C.

America Votes. A handbook of contemporary American election statistics, compiled and edited by Richard M. Scammon and Alice V. McGillivray. Biennial.

Joint Center for Political Studies, Washington, D.C.

National Roster of Black Elected Officials. Annual.

Michigan, The University of, Center for Political Studies, Institute for Social Research, Ann Arbor

Who Voted and for Whom. Biennial.

Newspaper Enterprise Association, Inc., New York

The World Almanac. Annual.

Electric Utilities—*see* Energy.

Emigration—*see* Immigration.

Employment—*see* Federal Government; Labor, and State and Local Government.

Energy—*see also* Communications; Manufactures; Minerals; and Transportation

*U.S. Government***Bureau of the Census**

Current Industrial Reports. Monthly, quarterly, and annual series on various industries.

Energy—Con.**U.S. Government—Con.**

Bureau of the Census and Bureau of Mines
Raw Materials in the United States Economy: 1900–1977. (Issued 1980. Working Paper No. 47.)

Bureau of Labor Statistics

Consumer Prices: Energy and Food.
Monthly.

Bureau of Mines

United States Energy Through the Year
2000 (revised). December 1975.

Congress. Committee on Government Operations

Investigation of the Petroleum Industry.
1973. (93d Congress, 1st Session.)

Congress. Committee on Science and Astronautics

Energy Facts. 1973. (93d Congress, 1st Session.)

Energy Facts II. 1975. (94th Congress.)

Congress. Joint Committee on Atomic Energy

Understanding the National Energy Dilemma. 1973. (93d Congress, 1st Session.)

Congress. Joint Economic Committee

Energy Conservation. 1973. (93d Congress, 1st Session.)

The Energy Outlook for the 1980's. 1973.
(93d Congress, 1st Session.)

Department of the Interior

Energy Perspectives. February 1975.
June 1976.

Energy Information Administration
Annual Report to Congress.

Coal Production. 1980.

Cost and Quality of Fuels for Electric
Plants. Annual.

Electric Power Annual.

Electric Power Monthly. (Consolidates
several reports which were discontinued.)

Hydroelectric Plant Construction Cost
and Production Expenses. Annual.

International Energy Annual.

Monthly Energy Review.

Natural Gas Annual. 1980.

Petroleum Refineries in the United States
and U.S. Territories.

Residential Energy Consumption Survey:
Consumption and Expenditures.
Annual.

Single-Family Households: Fuel Oil Inventories and Expenditures. 1980.

Energy—Con.**U.S. Government—Con.****Energy Information Administration—Con.**

Solar Collector Manufacturing Activity.
Semiannual.

State Energy Data Report. Annual.

Statistics for Interstate Natural Gas Pipeline Companies. Annual.

Statistics of Privately Owned Electric Utilities in the United States. Annual.

Statistics of Publicly Owned Electric Utilities in the United States. Annual.

Thermal-Electric Plant Construction Costs and Annual Production Expenses. Annual.

Typical Electric Bills. Annual.

U.S. Crude Oil, Natural Gas, and Natural Gas Liquid Reserves. Annual.

Weekly Coal Report.

Rural Electrification Administration

Annual Statistical Report—Rural Electrification Borrowers.

Tennessee Valley Authority, Knoxville
Annual Report.

Other

American Gas Association, Arlington, Va.
Gas Facts. Annual.

Monthly Gas Utility Statistical Report.

Quarterly Report of Gas Industry Operations.

American Petroleum Institute, Washington, D.C.

The Basic Petroleum Data Book. Quarterly.

Atomic Industrial Forum, New York
A&F Nuclear Fact Book.

The Center for Strategic and International Studies, Washington, D.C.

Understanding the Natural Energy Dilemma. A Report of the Joint Committee on Atomic Energy. 1978.

Edison Electric Institute, Washington, D.C.

Statistical Year Book of the Electric Utility Industry. Annual.

Year-End Electric Power Survey. Annual.

McGraw-Hill Publications Co., New York.

Electrical World Directory of Electric Utilities. Annual.

National Coal Association, Washington, D.C.

Steam-Electric Plant Factors. Annual.

Energy—Con.*Other—Con.*

Carl H. Pforzheimer & Co., New York
Comparative Oil Company Statistics,
1980–1981.

Whitman, Requardt and Associates, Balti-
more

The Handy-Whitman Index of Public Util-
ity Construction Costs. Semiannual.

The Handy-Whitman Index of Water Util-
ity Construction Costs. Semiannual.

Environment*U.S. Government*

Bureau of the Census

Current Industrial Report, series MA-200.

Council on Environmental Quality

Environmental Quality. Annual.

Environmental Statistics. 1978.

Environmental Trends. 1981.

Environmental Protection Agency

Air Quality Data. Annual.

Cost of Clean Water. Annual.

Federal Certification Test Results for
Motor Vehicles. Annual.

Municipal Water Facilities Inventory.
Quinquennial.

National Air Pollutant Emission Esti-
mates, 1940–80.

Needs Survey, Conveyance and Treat-
ment of Municipal Wastewater Sum-
maries of Technical Data. Biennial.

Pesticides Monitoring Journal. Quarterly.

Radiation Data and Reports. Monthly.

Sewage Facility Construction. Annual.

Summary of Water Enforcement Actions
Pursued by EPA since December 3,
1970. (Updated continuously.)

Geological Survey

Estimated Use of Water in the United
States in 1980. (Forthcoming.)

Other

The Conservation Foundation, Washington,
D.C.

The Coastal Almanac, by Paul L. Ringold
and John Clark. 1980.

Executions—*see* Law Enforcement.

Exports—*see* Foreign Commerce.

Family Characteristics—*see* Population.

Farms and Farm Characteristics—*see* Agricul-
ture.

**Federal Government Finances and Employ-
ment—*see also* Elections; Scientific Re-
sources; *and* State and Local Government**

U.S. Government

Board of Governors of the Federal Reserve
System

Federal Reserve Bulletin. Monthly.

Bureau of Economic Analysis

Business Statistics. 1979 Biennial Edi-
tion. 1981.

Survey of Current Business. Monthly.

Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President.
Annual.

Council on Environmental Quality

Environmental Quality. Annual.

Department of Labor

Annual Report of the Secretary.

Department of the Treasury

Daily Treasury Statement.

Federal Aid to States. Annual.

Monthly Statement of the Public Debt of
the United States.

Monthly Treasury Statement of Receipts
and Outlays of the United States Gov-
ernment.

Statistical Appendix to Annual Report of
the Secretary of the Treasury on the
State of the Finances Through 1980.

Treasury Bulletin. Monthly.

Treasury Combined Statement of Re-
ceipts, Expenditures, and Balances of
the United States Government. Annual.

Internal Revenue Service

Annual Report of the Commissioner.

Statistics of Income. (Annual reports on
Individual, Corporation, and Business
Income Tax Returns. Periodic reports
on Small Area Data from Individual
Income Tax Returns, Fiduciary Income,
Estate, and Gift Tax Returns, and on
Foreign Income and Tax Reported on
U.S. Corporation Tax Returns).

Statistics of Income Bulletin. Quarterly.

National Science Foundation

Characteristics of Doctoral Scientists and
Engineers in the United States. Bienni-
al.

Federal Funds for Research and Devel-
opment. (Includes geographic distribu-
tion and funding by function.) Annual.

Federal R&D Funding by Budget Func-
tion. Annual.

Federal Scientific and Technical Person-
nel, 1976, 1977, and 1978. Special
report. (NSF 81-309.)

Federal Government Finances and Employment—Con.*U.S. Government—Con.***National Science Foundation—Con.**

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions. A report to the President and Congress. Annual.

National Patterns of Science and Technology Resources. Annual.

Reviews of Data on Science Resources. Occasional. No. 34. Sex and Ethnic Differentials in Employment and Salaries Among Federal Scientists and Engineers. (NSF 79-323.)

Science Indicators. Biennial.

Women and Minorities in Science and Engineering. Special report. (NSF 82-302.)

Office of Management and Budget

The Budget of the United States Government. Published annually in a group of four documents, and a series of eleven special analyses published separately. The four major documents are:

The Budget of the United States Government.

The Budget of the United States Government, Appendix.

Major Themes and Additional Budget Details.

The United States Budget in Brief.

Office of Personnel Management

Annual Report.

Equal Employment Opportunity Statistics. Biennial.

Federal Civilian Employment in the United States by Geographic Area. Biennial.

Monthly Release of Federal Civilian Work Force Statistics.

Occupations of Federal Blue-Collar Workers. Biennial.

Occupations of Federal White-Collar Workers. Biennial.

Pay Structure of the Federal Civil Service. Annual.

Report on Civil Service Retirement, Federal Employees Group Life Insurance, Federal Employees Health Benefits, Retired Federal Employees Health Benefits. Annual.

Work Years and Personnel Costs. Annual.

Federal Government Finances and Employment—Con.*Other*

Advisory Commission on Intergovernmental Relations, Washington, D.C.

Changing Public Attitudes on Governments and Taxes. Annual.

Countercyclical Aid and Economic Stabilization. 1978.

The Inflation Tax: The Case for Indexing Federal and State Income Taxes. 1980.

Recent Trends in Federal and State Aid to Local Governments. 1980.

Regional Growth—Flow of Federal Funds. 1980.

Regional Growth—Historic Perspective. 1980.

Significant Features of Fiscal Federalism. Annual.

Moody's Investors Service, New York

Moody's Municipal and Government Manual; American and Foreign. Annual with semiweekly supplements.

National Bureau of Economic Research, Cambridge, Mass.

The American Economy in Transition. Martin Feldstein, editor. 1980. (University of Chicago Press, Chicago.)

Conference on Research in Taxation, Michael Boskin, editor. Published as Supplement to Journal of Political Economy. April 1978. (Vol. 86, no. 2, part 2.)

Tax Foundation, Inc., New York

Facts and Figures on Government Finance.

Finance—see Federal Government; Investments; Money; and State and Local Government.

Fisheries*U.S. Government***National Oceanic and Atmospheric Administration**

Fisheries of the United States. Annual.

Fishery Statistics of the United States (Statistical Digest.) Annual.

Food—see also Agriculture*U.S. Government***Bureau of the Census**

Canned Food Report. (Issued five times a year.)

Department of Agriculture

Agricultural Outlook. Monthly.

Food—Con.

U.S. Government—Con.

Department of Agriculture—Con.

Developments in Farm to Retail Price Spreads for Food/1980. (Agricultural Economic Report No. 465.) Revised annually.

Food and Fiber System and How It Works. March 1975. (Agricultural Information Bulletin 383.)

Food Consumption, Prices, and Expenditures, 1960–80. (Statistical Bulletin No. 672.) Revised annually.

National Food Review. Quarterly.

Department of Agriculture, Food and Nutrition Service

National School Lunch Program. Annual.

Department of Agriculture, Science and Education Administration.

Family Economics Review. Quarterly.

Other

American Frozen Food Institute, Burlingame, Calif.

Frozen Food Pack Statistics. Annual.

National Food Processors Association, Washington, D.C.

Canned Food Pack Statistics. Annual.

Foreign Commerce—see also Economic Indexes; *and* International Accounts and Aid

U.S. Government

Army, Corps of Engineers

Waterborne Commerce of the United States (in five parts). Annual.

Bureau of the Census

Highlights of U.S. Export and Import Trade. Monthly and cumulative. (FT 990.)

Survey of the Origin of Exports of Manufacturing Establishments. Triennial. (Current Industrial Reports M76(AS)–8.)

U.S. Airborne Exports and General Imports. (Summary Report.) Monthly and annual. (FT 986.)

U.S. Commodity Exports and Imports as Related to Output. Annual. (Series ES 2.)

U.S. Exports, Schedule E Commodity Groupings by World Area. Annual. (FT 450.)

U.S. Exports of Domestic Merchandise, SIC-Based Products by World Area. Annual. (FT 610.)

U.S. Exports, Schedule E Commodity by Country. Monthly, cumulative. (FT 410.)

Foreign Commerce—Con.

U.S. Government—Con.

Bureau of the Census—Con.

U.S. Exports, World Area by Schedule E Commodity Groupings. Annual. (FT 455.)

U.S. General Imports, Schedule A Commodity by Country. Monthly, cumulative. (FT 135.)

U.S. General Imports, Schedule A Commodity Groupings by World Area. Annual. (FT 150.)

U.S. General Imports, World Area by Schedule A Commodity Groupings. Annual. (FT 155.)

U.S. Imports for Consumption and General Imports, SIC-Based Products by World Area. Annual. (FT 210.)

U.S. Imports for Consumption and General Imports, TSUSA Commodity by Country of Origin. Annual. (FT 246.)

U.S. Trade with Puerto Rico and U.S. Possessions. Monthly and annual. (FT 800.)

U.S. Waterborne Exports and General Imports. Monthly and annual. (FT 985.)

Bureau of Economic Analysis

Business Statistics. 1979 Biennial Edition. 1981.

Survey of Current Business. Monthly. (June issue contains detailed data on merchandise trade.)

U.S. Merchandise Trade: Exports and Imports, 1965–76, Classified by BEA End-Use Commodity Categories. 1978.

Bureau of International Commerce

Overseas Business Reports. Annual.

Department of Agriculture

Foreign Agricultural Trade of the United States (FATUS). Monthly with annual supplements on calendar year and fiscal year trade statistics.

Index of World and Regional Food and Agricultural Production. Annual.

U.S. Agricultural Exports Under Public Law 480. Quinquennial.

U.S. Foreign Agricultural Trade Statistical Report. Calendar year. A supplement to the monthly FATUS. Annual.

U.S. Foreign Agricultural Trade Statistical Report. Fiscal year. A supplement to the monthly FATUS. Annual.

World Agricultural Production and Trade, Statistical Report. Monthly.

Foreign Commerce—Con.**U.S. Government—Con.****Department of Commerce**

Commerce America. Biweekly. (Issues in March, June, September, and December contain quarterly data on U.S. share of world exports of manufactures.)

Export Administration Report. East-West Trade: Quarterly Report to the President, Senate, and House of Representatives.

Department of the Treasury

Statistical Appendix to Annual Report of the Secretary of the Treasury on the State of the Finances through 1980.

Energy Information Administration

Monthly Energy Review.

International Trade Administration

International Economic Indicators. Quarterly.

Market Share Reports. Annual.

Overseas Business Reports. Irregular.

International Trade Commission

Annual Report.

Maritime Administration

Annual Report.

United States Oceanborne Foreign Trade Routes. Annual.

Other

Commodity Research Bureau, New York

Commodity Yearbook. Annual.8

National Bureau of Economic Research, Cambridge, Mass.

The American Economy in Transition, Martin Feldstein, editor. 1980. (University of Chicago Press, Chicago.)

Foreign Trade Regimes and Economic Development: Liberalization Attempts and Consequences, by Anne O. Krueger. 1978. (Ballinger Publishing Co., Cambridge, Mass.)

Forests and Lumber—see also Economic Indexes

U.S. Government**Bureau of the Census**

Census of Manufactures. Quinquennial. (1977, most recent.)

Forests and Lumber—Con.**U.S. Government—Con.****Bureau of the Census—Con.**

Current Industrial Reports. Monthly, quarterly, and annual series on various industries.

Bureau of Industrial Economics

Construction Review. Bimonthly.

Bureau of Labor Statistics

Monthly Labor Review.

Department of Agriculture

Agricultural Statistics. Annual.

Naval Stores. Monthly and annual.

Forest Service

An Analysis of the Timber Situation in the United States, 1952–2030. Appendix 3.

Land Areas of the National Forest System. Annual.

U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950–81. Annual.

Wildfire Statistics. Annual.

Other

American Paper Institute, Inc., New York

Statistics of Paper, Paperboard, and Woodpulp. Annual.

Wood Pulp and Fiber Statistics. Annual.

National Forest Products Association, Washington, D.C.

Fingertip Facts and Figures. Monthly.

Gas Utilities—see Energy.

Geography—see also Environment and Public Lands

U.S. Government**Bureau of the Census**

Boundary and Annexation Survey, 1970–1979. GE 30–4: Statistics on boundary change information for incorporated municipalities of 2,500 or more population. Information also on new incorporations, disincorporations, and other important status changes.

Census of Population. Decennial. (1980, most recent.)

United States Maps, Series GE–50 and GE–70—Statistical maps in color showing standard metropolitan statistical areas, congressional districts, and the geographic distribution of population, housing, income, age, race, and other demographic characteristics.

Geological Survey

Catalog of Information on Water Data.
1001

Geography—Con.**U.S. Government—Con.****Geological Survey—Con.**

Elevations and Distances in the United States. 1980.

Estimated Use of Water in the United States in 1975. 1977. (Geological Survey Circular 765.)

A Land Use and Land Cover Classification System for Use with Remote Sensor Data. Reprinted, 1978. (Geological Survey Professional Paper 964.)

National Gazetteer of the United States. (Issued by State.) (Geological Survey Professional Paper 1200.)

Principal Lakes of the United States. (1973, most recent.) (Geological Survey Circular 476.)

Government—*see* Federal Government; *and* State and Local Government.

Guam—*see* Outlying Areas.

Health Insurance—*see* Insurance.

Health and Medical Care—*see also* Accidents; Environment; Food; Insurance; Social Insurance; *and* Vital Statistics

U.S. Government**Bureau of the Census**

Social Indicators, 1973; 1976; III.

Bureau of Labor Statistics

Consumer Price Index. U.S. City Average and Selected Items, Groups, and Areas. Monthly.

Industry Wage Survey Bulletin. Separate bulletins published annually for selected industries.

Monthly Labor Review.

Three Budgets for a Retired Couple in Urban Areas of the United States. (Bulletin No. 1570-6 and supplements.) Updated in annual press releases; titles vary.

Three Standards of Living for an Urban Family of Four Persons. (Bulletin No. 1570-5 and supplements.) Updated in annual press releases; titles vary.

Centers for Disease Control

Morbidity and Mortality Weekly Report. (DHEW Pub. Nos. CDC 79-8017 and 80-8017.)

Reported Morbidity and Mortality in the United States. Morbidity and Mortality Weekly Report (annual supplement), 1979. (DHEW Pub. No. CDC 80-8241.)

Department of Agriculture, Food and Nutrition Service

National School Lunch Program. Annual.

Health and Medical Care—Con.**U.S. Government—Con.**

Department of Health and Human Services Annual Report.

Fluoridation Census. 1972, 1975.

Drug Enforcement Administration

Drug Abuse and Law Enforcement Statistics. Irregular.

Health Care Financing Administration

Health Care Financing Notes. Preliminary descriptive program data. Annual.

Health Care Financing Program Statistics. Medicare and Medicaid data. Annual.

Health Care Financing Research Reports. Occasional.

Health Care Financing Review. Quarterly publication focusing on research, demonstrations, and statistics.

Health Care Financing Trends. Quarterly publication highlighting economic developments in the health care sector.

National Center for Health Statistics

Current Estimates from the Health Interview Survey. Annual.

Facts at Your Fingertips. A guide to sources of statistical information on major health topics. Annual.

Health: United States. Annual. (DHEW Pub. No. PHS 80-1232.)

Hospitals: A County and Metropolitan Area Data Book. 1975-78. (DHEW Pub. No. PHS 81-1223.)

Vital and Health Statistics. A series of statistical reports covering health-related topics.

Series 10: Health Interview Survey Statistics. Irregular.

Series 11: Health and Nutrition Examination Surveys Statistics. Irregular.

Series 13: Health Resources Utilization Statistics. Irregular.

Series 14: Health Resources: Manpower and Facilities Statistics. Irregular.

National Institute on Drug Abuse

Nonmedical Use of Psychoactive Substances, 1976.

Social Security Administration

Compendium of National Health Expenditures Data. 1976.

Social Security Bulletin. Monthly with annual statistical supplement. Data on the health insurance benefits program and on medical care of public assistance recipients.

SSI Recipients in Medical Facilities Covered by Title XIX (MEDICAID), Decem-

Health and Medical Care—Con.**U.S. Government—Con.****Social Security Administration—Con.**

ber 1979. 1981. (Research and Statistics Note No. 2.)

Veterans Administration

Annual Report of Administrator of Veterans Affairs.

Other**American Dental Association, Chicago**

Dental Students' Register. Annual.

Distribution of Dentists in the United States by State, Region, District, and County. Triennial.

Survey of Dental Practice. Biennial.

American Hospital Association, Chicago

Hospital Statistics. Annual.

American Medical Association, Chicago

Physician Distribution and Medical Licensure in the U.S. Annual.

Reference Data on the Profile of Medical Practice. Annual.

American Nurses Association, Kansas City, Missouri

Facts About Nursing: A Statistical Summary. Annual.

LPNs: 1974 Inventory of Licensed Practical Nurses.

The Nation's Nurses: Inventory of Registered Nurses 1977-1978.

American Osteopathic Association, Chicago

Statistical Study of the Osteopathic Profession. Annual.

Firing & Associates, San Francisco

The Physically Impaired Population of the United States. 1978.

Medical Economics, Oradell, New Jersey

Physicians' Earnings and Expenses. Published annually in Medical Economics magazine.

Metropolitan Life Foundation, New York

Statistical Bulletin. Quarterly.

National Bureau of Economic Research, Cambridge, Mass.

The Role of Health Insurance in the Health Services Sector, Richard N. Rosett, editor. 1976. (Universities-National Bureau Conference Series 27.) (Neale Watson Academic Publications, Inc., New York.)

Health and Medical Care—Con.**Other—Con.**

Rutgers Center of Alcohol Studies, Journal of Studies on Alcohol, Inc., New Brunswick, New Jersey

Statistics on Consumption of Alcohol and on Alcoholism, by M. Keller and C. Gurioli. 1976.

Hospitals—see Health.

Hotels—see Service Establishments.

Household Appliances—see Construction, Housing, and Real Estate.

Housing—see Construction.

Immigration and Naturalization**U.S. Government**

Department of State, Bureau of Consular Affairs

Report of the Visa Office. Annual. (Dept of State Pub. 8810.)

Department of Transportation

Report of Passenger Travel Between the United States and Foreign Countries. Annual, semiannual, quarterly, monthly.

Immigration and Naturalization Service

Annual Report.

I & N Reporter. Quarterly.

National Science Foundation

Foreign Participation in U.S. Science and Higher Education and Labor Markets. Special Report. (NSF 81-316.)

Scientists and Engineers From Abroad. 1976. Special report.

Imports—see Foreign Commerce.

Income—see Consumer Income and National Income.

Industry—see Business; Economic Indexes; and Manufactures.

Institutions—see Education; Health; and Law Enforcement.

Insurance—see also Social Insurance

U.S. Government

Bureau of Economic Analysis

Business Statistics. 1979 Biennial Edition. 1981.

Survey of Current Business. Monthly.

Veterans Administration

Annual Report of Administrator of Veterans Affairs.

Government Life Insurance Programs. Annual.

Insurance—Con.*Other*

American Council of Life Insurance, Washington, D.C.

Life Insurance Fact Book. Annual.

Best (Alfred M.) Co., New York

Best's insurance publications. Monthly and annual publications on life, fire, and casualty companies.

Health Insurance Association of America, Washington, D.C.

Source Book of Health Insurance Data. Annual.

Insurance Information Institute, New York

Insurance Facts. Yearbook.

National Bureau of Economic Research, Cambridge, Mass.

The Role of Health Insurance in the Health Services Sector, Richard N. Rosett, editor. 1976. (Universities-National Bureau Conference Series 27.) (Neale Watson Academic Publications, Inc., New York.)

The National Underwriter Co., Cincinnati

Argus Chart. Health insurance company financial data. Annual.

Argus F.C. & S. Chart. Property and liability insurance company financial data. Annual.

Life Rates and Data. Premiums, values, dividends, and contract analysis by company. Annual.

Life Reports. Life company financial data. Annual.

Timesaver. Health insurance costs and contract analysis by company. Annual.

International Accounts and Aid*U.S. Government*

Agency for International Development

U.S. Overseas Loans and Grants and Assistance From International Organizations. Annual.

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of Economic Analysis

Business Statistics. 1979 Biennial Edition. 1981.

Survey of Current Business. Monthly. (March, June, September, and December issues contain data on U.S. international transactions. Articles on the net U.S. investment position abroad, direct investments, travel, and other topics appear periodically in other issues.)

International Accounts and Aid—Con.*U.S. Government—Con.*

Bureau of Economic Analysis—Con.

U.S. Merchandise Trade: Exports and Imports, 1965–76, Classified by BEA End-Use Commodity Categories. 1978.

Department of Defense

Foreign Military Sales and Military Assistance Facts. Annual.

Department of State

United States Contribution to International Organizations. Issued in the House Documents series. Annual.

Department of the Treasury

Active Foreign Credits of the United States Government. Quarterly.

Treasury Bulletin. Monthly.

Export-Import Bank of the United States

Report to Congress. Annual.

National Advisory Council on International Monetary and Financial Policies

Annual Report to the President and to the Congress.

Office of Management and Budget

The Budget of the United States Government. Published annually in a group of four documents and a series of eleven special analyses published separately; see listing under "Federal Government Finances and Employment."

Other

International Bank for Reconstruction and Development, Washington, D.C.

Annual Report.

International Monetary Fund, Washington, D.C.

Annual Report.

Balance of Payments Statistics. Monthly with annual yearbook.

Direction of Trade Statistics. Monthly with annual yearbook.

Government Finance Statistics Yearbook.

International Financial Statistics. Monthly with annual yearbook.

International Statistics—see also International Accounts

U.S. Government

Bureau of the Census

A Compilation of Age-Specific Fertility Rates for Developing Countries. International Research Document No. 7.

Country Demographic Profiles. (Series ISP-30.)

International Statistics—Con.**U.S. Government—Con.****Bureau of the Census—Con.**

Demographic Estimates for Countries with a Population of 10 Million or More. 1981.

The Geographical Mobility of Americans: An International Comparison, by Larry H. Long and Celia G. Boertlein. Current Population Reports, Special Studies, Series P-23, No. 64.

International Population Reports. Irregular. (Series P-91.)

Social Indicators, 1973; 1976; III.

World Population: 1979 (most recent).

Bureau of Labor Statistics

Handbook of Labor Statistics. Periodic.

Labor Developments Abroad. Published in Monthly Labor Review. (Contains international comparative labor statistics and U.S. Dept. of State indexes of living costs abroad and living quarters allowances.)

Internal Revenue Service**Statistics of Income**

Internal Income and Taxes, Domestic International Sales Corporation Returns, 1972-1974.

International Income and Taxes, Foreign Income and Taxes Reported on Individual Income Tax Returns, 1972-1978.

International Income and Taxes, Foreign Tax Credit Claimed on Corporation Income Tax Returns, 1974.

International Income and Taxes, U.S. Corporations and Their Controlled Foreign Corporations, 1974-1978.

Other

Food and Agriculture Organization of the United Nations, Rome, Italy

Production Yearbook.

Trade Yearbook.

Yearbook of Fishery Statistics.

Yearbook of Forest Products.

Inter-American Development Bank, Washington, D.C.

Annual Report.

The International Institute for Strategic Studies, London, England

The Military Balance. Annual.

International Labour Office, Geneva, Switzerland

Yearbook of Labour Statistics.

International Statistics—Con.**Other—Con.**

International Monetary Fund, Washington, D.C.

International Financial Statistics. Monthly with annual yearbook.

Jane's Publishing Co., Ltd., London, England

Jane's Airport Equipment. Annual.

Jane's All the World's Aircraft. Annual.

Jane's Armour and Artillery. Annual.

Jane's Avionics. Annual.

Jane's Fighting Ships. Annual.

Jane's Infantry Weapons. Annual.

Jane's Merchant Ships. Annual.

Jane's Military Communications. Annual.

Jane's Military Vehicles and Ground Support Equipment. Annual.

Jane's Urban Transport Systems. Annual.

Jane's Weapon Systems. Annual.

Jane's World Railways. Annual.

Motor Vehicle Manufacturers Association of the United States, Inc., Detroit

World Motor Vehicle Data. Annual.

National Bureau of Economic Research, Cambridge, Mass.

The American Economy in Transition, Martin Feldstein, editor. 1980. (University of Chicago Press, Chicago.)

Organization for Economic Co-operation and Development, Paris, France

Balance of Payments of OECD Countries, 1960-1977. 1979.

Consumer Price Indices. 1980.

Economic Outlook. Biannual.

Energy Balances. Annual.

Energy Statistics. Annual.

Indicators of Industrial Activity. Quarterly.

Labour Force Statistics. Annual with quarterly supplements.

Main Economic Indicators. Monthly.

National Accounts of OECD Countries. Annual.

OECD Financial Statistics. Annual with monthly supplements.

Oil Statistics. Annual with quarterly supplements.

Pulp and Paper. Annual with quarterly supplements.

Quarterly National Accounts Bulletin.

Revenue Statistics of OECD Member Countries. Annual.

Statistics of Foreign Trade:
Series A. Monthly.

International Statistics—Con.

Other—Con.

Organization for Economic Co-operation and Development, Paris, France—Con.

Series B. Tables by reporting countries. Annual.

Series C. Trade by commodities. Annual.

Study of Trends in World Supply and Demand of Major Agricultural Commodities. 1976.

United Nations Educational, Scientific and Cultural Organization, Paris, France
Statistical Yearbook.

United Nations Population Division, New York

World Population Trends and Prospects, by Country, 1950–2000: Summary Report of the 1978 Assessment.

United Nations Statistical Office, New York
Demographic Yearbook.

Monthly Bulletin of Statistics.

1977 Supplement to the Statistical Yearbook and the Monthly Bulletin of Statistics, Methodology, and Definitions. 1979.

Population and Vital Statistics Report. (Statistical Papers, Series A.) Quarterly.

Statistical Yearbook.

World Energy Supplies, 1950–74. 1976. Supplement, 1974–79. 1981.

Yearbook of Construction Statistics.

Yearbook of International Trade Statistics.

Yearbook of National Accounts Statistics.

World Health Organization, Geneva, Switzerland

World Health Statistics. Quarterly and annual.

International Trade—see Foreign Commerce; and International Statistics.

Investments and Securities—see also Business; Construction; Insurance; International Accounts; and Money

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Commodity Futures Trading Commission
Commodity Futures Statistics. Annual. (Statistical Bulletin No. 516.)

Securities and Exchange Commission
Analysis of the Impact of Competitive Commission Rates on Aggregate Price

Investments and Securities—Con.

U.S. Government—Con.

Securities and Exchange Commission—Con.

Volatility of NYSE Stocks, by Raymond H. Marcotte Jr. 1975.

Analysis of the Impact of Competitive Rates on the Liquidity of NYSE Stocks, by Peter G. Martin. 1975.

Analysis of the Spreads on the New York Stock Exchange. March 1981.

Annual Report.

Condominiums Registered Under the Securities Act of 1933, 1967–1974, by Peter Straub.

Initial Public Offerings of Common Stock: The Role of Regional Broker-Dealers in the Capital Formation Process, Phase I Report. March 1980.

Monitoring Report on the Operation of the Intermarket Trading System. February 1981.

Official Summary of Security Transactions and Holdings. Monthly.

Real Estate Investment Trusts: A Background Analysis and Recent Industry Developments, 1961–1974, by Peter Straub. 1975.

A Report on the Operation of the Intermarket Trading System: 1978–1982. June 1982.

Report to Congress on the Effects of the Absence of Fixed Rates Commission. December 1975. Second, Third, Fourth, and Fifth Reports dated March 1976, August 1976, January 1977, and May 1977, respectively.

The Role of Regional Broker-Dealers in the Capital Formation Process: Underwriting Market-Making and Securities Research Activities. August 1981.

SEC Monthly Statistical Review.

Securities Traded on Exchanges Under the Securities Exchange Act. Annual with quarterly supplements.

Staff Report on the Securities Industry in 1980. September 1981.

Statistical Bulletin. Monthly.

Stock Trading Statistics. Monthly.

Stock Transactions of Financial Institutions. Quarterly.

Other

Bankers Trust Company, New York

Credit and Capital Markets, by Beverly Lowen and Donald E. Wooley. Annual.

Commercial and Financial Chronicle. (William B. Dana Co., New York.) Semi-weekly.

Investments and Securities—Con.**Other—Con.**

Investment Company Institute, Washington, D.C.

Mutual Fund Fact Book. Annual.

Moody's Investors Service, New York

Moody's Manuals. (Volumes on Industrials, Banks and Finance, Municipals and Governments, Transportation, and Public Utilities.) Annual with semi-weekly supplements.

National Bureau of Economic Research, Cambridge, Mass.

The American Economy in Transition, Martin Feldstein, editor. 1980. (University of Chicago Press, Chicago)

Conference on Secular Inflation, Karl Brunner, editor. 1973. (Universities-National Bureau Conference 25. Supplement to Journal of Money, Credit, and Banking, No. 1, part 2.) (University Microfilms, Ann Arbor.)

Institutional Investors and Corporate Stock—A Background Report, Raymond Goldsmith, editor. 1973. (Studies in Capital Formation and Financing 13.) (Columbia University Press, Irvington, N.Y.)

New York Stock Exchange, Inc., New York
Fact Book. Annual.

Shareownership, 1975, 1980, and 1981.

Securities Industry Association, New York
Municipal Market Developments. Monthly.

Standard and Poor's Corporation, New York

Analyst's Handbook. Annual with monthly cumulative supplements.

Corporation Records. Six basic volumes; News Supplements, daily; Dividend Record, daily, and cumulative monthly and annual.

Daily Stock Price Records. Quarterly.

Security Owner's Stock Guide. Monthly.

Statistical Service. (Security Price Index Record; business and financial basic statistics with monthly supplement.)

Wall Street Journal. (Dow Jones & Co., New York.) Daily except Saturdays, Sundays, and holidays.

**Irrigation, Drainage, and Soil Conservation—
see also Agriculture****U.S. Government**

Bureau of the Census

Census of Agriculture. Quinquennial. (1978, most recent.)

**Irrigation, Drainage, and Soil Conservation—
Con.****U.S. Government—Con.**

Bureau of Reclamation

Federal Reclamation Projects, Water and Land Resource Accomplishments. Annual.

Soil Conservation Service

Report of Administrator of Soil Conservation Service. Annual.

Juvenile Court—*see* Law Enforcement.

Labor—*see also* Accidents; Business; Economic Indexes; International Statistics; Scientific Resources; *and* Social Insurance

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of the Census

Census of Population. Decennial. (1980, most recent.)

County Business Patterns. Annual.

Current Governments Reports: Public Employment, GE No. 1 (annual); City Employment, GE No. 2 (annual); Local Government Employment in Selected Metropolitan Areas and Large Counties, GE No. 3 (annual); County Government Employment, GE No. 4 (annual).

Population Profile of the United States (Annual—Series P-20.)

Selected Characteristics of Persons in Life Science: 1978. (Current Population Reports, Special Studies, Series P-23, No. 113.)

Selected Characteristics of Persons in Physical Science: 1978. (Current Population Reports, Special Studies, Series P-23, No. 108.)

Social Indicators, 1973; 1976; III.

Statistical Portrait of Women in the United States: 1978. (Current Population Reports, Special Studies, Series P-23, No. 100.)

Bureau of Justice Statistics (formerly Law Enforcement Assistance Administration) and Bureau of the Census

Expenditure and Employment Data to the Criminal Justice System. Annual.

Bureau of Labor Statistics

Analysis of Work Stoppages. Annual (Discontinued.)

Area Wage Surveys: Metropolitan Areas. United States and Regional Summaries. Annual.

Labor—Con.

U.S. Government—Con.

Bureau of Labor Statistics—Con.

- Area Wage Surveys: Selected Metropolitan Areas. Annual.
- Characteristics of Agreements in State and Local Governments, July 1, 1975. 1977. (Bulletin No. 1947.)
- Characteristics of Major Collective Bargaining Agreements, July 1, 1975. 1977. (Bulletin No. 1957.)
- Current Wage Developments. Monthly.
- Directory of National Unions and Employee Associations. Biennial. (Discontinued.)
- Employee Compensation and Payroll Hours: Selected Manufacturing and Nonmanufacturing Industries. Periodic.
- Employee Compensation in the Private Nonfarm Economy. Biennial.
- Employment and Earnings. Monthly.
- Employment and Earnings, States and Areas, 1939–78. (Bulletin No. 1370–13.)
- Employment and Earnings, United States, 1909–78. (Bulletin No. 1311–12.)
- Employment and Wages. Quarterly.
- Geographic Profile of Employment and Unemployment. Annual.
- A Guide to Seasonal Adjustment of Labor Force Data. (Bulletin No. 2114.)
- Handbook of Labor Statistics. Periodic.
- How the Government Measures Unemployment. (Report No. 418.)
- Indexes of Output Per Hour, Hourly Compensation, and Unit Labor Costs in the Private Economy, the Nonfarm Sector, Manufacturing and Nonmanufacturing. Quarterly and annual.
- Industry—Occupational Wage Survey. (Separate bulletins for selected manufacturing and nonmanufacturing industries; studies made on a 3- to 5-year cycle.)
- International Comparisons of Unemployment. 1978. (Bulletin No. 1979.)
- Labor Force Statistics Derived from the Current Population Survey: A Databook. (Bulletin No. 2096.)
- Monthly Labor Review.
- National Survey of Professional, Administrative, Technical, and Clerical Pay. Annual.
- Occupational Injuries and Illnesses in the United States, by Industry. Annual.
- Productivity and Costs: Business, Nonfarm Business, and Manufacturing Sectors. Quarterly.
- Productivity and the Economy. 1981. (Bulletin No. 2084.)

Labor—Con.

U.S. Government—Con.

Bureau of Labor Statistics—Con.

- Productivity Measures for Selected Industries. Annual.
- Special Labor Force Reports. Occasional.
- Supplement to Employment and Earnings, Revised Establishment Data. 1982.
- Supplement to Employment and Earnings, States and Areas, 1977–80. (Bulletin No. 1370–15.)
- The Structure of the U.S. Economy in 1980 and 1985. (Bulletin No. 1831.)
- Union Wages and Benefits. (Annual bulletins on Local-Transit Operating Employees, Motor Truck Drivers and Helpers, Printing Industry; annual and quarterly supplements on Building Trades.) (Discontinued 1981.)
- U.S. Workers and Their Jobs: The Changing Picture. 1976. (Bulletin No. 1919.)
- U.S. Working Women: A Chartbook. 1975. (Bulletin No. 1880.)
- U.S. Working Women: A Databook. 1977. (Bulletin No. 1977.)
- Who Are the Unemployed? A Chartbook. 1977. (Bulletin No. 1965.)
- Workers of Spanish Origin: A Chartbook. 1978. (Bulletin No. 1970.)
- Department of Agriculture
 - Farm Labor. Annual.
 - The Hired Farm Working Force. Biennial.
- Department of Labor
 - Annual Report of the Secretary.
- Employment and Training Administration
 - Area Trends in Employment and Unemployment. Monthly.
 - Employment and Training Report of the President. Annual.
 - Employment and Wages of Workers. Quarterly.
 - Employment and Wages of Workers Covered by Unemployment Insurance Programs. Quarterly.
 - Employment Service Statistics. Monthly.
 - Farm Labor Developments. Employment and Wage Supplement. Monthly.
 - Unemployment Insurance Claims. Weekly.
- Equal Employment Opportunity Commission
 - Employment Opportunity in the Schools. Minorities and women in public elementary and secondary schools. 1979.

Labor—Con.*U.S. Government—Con.*

Equal Employment Opportunity Commission.—Con.

Employment Opportunity in State and Local Government. Minorities and women in State and local government. 1980.

Interstate Commerce Commission

Wage Statistics of Class I Railroads in the United States. Annual. (Statement No. 300.)

Maritime Administration

Employment Report of United States Flag Merchant Fleet Ocean-going Vessels 1,000 Gross Tons and Over. Annual. (Monthly and quarterly data available from source.)

Seafaring Wage Rates. Biennial.

Office of Personnel Management

Equal Employment Opportunity Statistics. Biennial.

Occupations of Federal Blue-Collar Workers. Biennial.

Occupations of Federal White-Collar Workers. Biennial.

Social Security Administration

Income of the Population Aged 55 and Older, 1976. (Social Security Bulletin. July 1979.)

Studies in Income Distribution. (A series of studies presenting information on the distribution of income, taxes, and transfer payments.) (November 1979, most recent.)

Women's Bureau

Handbook on Women Workers. Periodic.

Other

Bureau of National Affairs, Inc., Washington, D.C.

Labor Relations Yearbook.

National Academy of Sciences, Washington, D.C.

Mineral Resources and the Environment. 1975.

National Bureau of Economic Research, Cambridge, Mass.

The American Economy in Transition, Martin Feldstein, editor. 1980. (University of Chicago Press, Chicago.)

Education, Income, and Human Behavior, by F. Thomas Juster. 1974. (Other Conference 9.) (McGraw-Hill Book Co., New York.)

The Measurement of Economic and Social Performance, Milton Moss, editor. 1974. (Studies in Income and

Labor—Con.*Other—Con.*

National Bureau of Economic Research, Cambridge, Mass.—Con.

Wealth, vol. 38.) (Columbia University Press, Irvington, N.Y.)

Schooling, Experience, and Earnings, by Jacob Mincer. 1974. (Human Behavior and Social Institutions 2.) (Columbia University Press, Irvington, N.Y.)

Law Enforcement, Federal Courts, and Prisons*U.S. Government*

Administrative Office of the United States Courts

Annual Report of the Director . . . with, as issued, Reports of the Proceedings of the Judicial Conference of the United States. Includes statistics on courts of appeals, district courts, and bankruptcy courts.

Calendar Year Reports on Authorized Wiretaps. (State and Federal.)

Calendar Year Reports on the Right to Financial Privacy Act of 1978.

Census of Persons Under Supervision of the Federal Probation System. 1973.

Federal Offenders in U.S. District Courts. Annual.

Juror Utilization in the United States Courts. Annual.

Management Statistics for U.S. Courts. Annual.

Quarterly Judicial Workload Statistics. March 31, Sept. 30, and Dec. 31.

Speedy Trial Reports, 1976–1981. Annual.

Bureau of the Census

Census of Population. Decennial. (1980, most recent.)

Social Indicators, 1973; 1976; III.

Bureau of Justice Statistics (formerly Law Enforcement Assistance Administration)

Capital Punishment. Annual.

Census of Jails and Survey of Jail Inmates, 1978. February 1979.

Children in Custody: Advance Report on the 1979 Census of Private Facilities.

Children in Custody: Advance Report on the 1979 Census of Public Juvenile Facilities.

Criminal Justice Agencies in the United States. Periodic.

Criminal Victimization in the United States. Annual.

Criminal Victimization in the United States. Trends. Annual.

Law Enforcement, Federal Courts, and Prisons—Con.*U.S. Government—Con.*

Bureau of Justice Statistics (formerly Law Enforcement Assistance Administration)—Con.

Expenditure and Employment Data for the Criminal Justice System. Annual.

Justice Agencies in the United States. May 1980.

National Prisoner Statistics. Periodic bulletins and reports.

National Survey of Court Organization, 1973; and 1977 Supplement to State Judicial Systems.

The Nation's Jails. A report on the Census of Jails From the 1972 Survey of Inmates of Local Jails. May 1975.

Parole in the United States. Annual.

Prisoners in State and Federal Institutions on December 31. Annual.

Profile of Jail Inmates. October 1980.

Profile of State Prison Inmates. August 1979.

Sourcebook of Criminal Justice Statistics. Annual.

Survey of Inmates of Local Jails; Advance Report: 1973.

Bureau of Prisons

Statistical Report. Annual through 1977.

Drug Enforcement Administration

Drug Abuse and Law Enforcement Statistics. Irregular.

Federal Bureau of Investigation

Crime in the United States. Annual. Supplemented by Uniform Crime Reporting. Quarterly with annual summary. (Releases of preliminary crime data for the United States.)

Other

National Bureau of Economic Research, Cambridge, Mass.

Essays on the Economics of Crime and Punishment, by Gary S. Becker and William Landes. 1974. (Human Behavior and Social Institutions 3.) (Columbia University Press, Irvington, N.Y.)

National Center for Juvenile Justice, Pittsburgh, Pa.

Delinquency 1979: United States Estimates of Cases Processed by Courts With Juvenile Jurisdiction. 1982.

Juvenile Court Statistics: 1979. 1981.

Statistical Series. Annual. (A series of reports including juvenile court statistics.)

Statistics on Public Institutions for Delinquent Children. Irregular.

Law Enforcement, Federal Courts, and Prisons—Con.*Other—Con.*

National Governors' Conference Center for Policy Research and Analysis, Washington, D.C.

Marijuana: A Study of State Policies and Penalties.

Vol. I—Executive Summary.

Vol. II—Findings and Analysis.

Vol. III—Research and Case Studies.

Libraries—*see* Education.

Livestock—*see* Agriculture.

Lumber—*see* Forests and Lumber.

Manufactures—*see also* Agriculture; Business; Economic Indexes; Forests; Investments; Labor; and Minerals

U.S. Government

Board of Governors of the Federal Reserve System

Capacity Utilization: Manufacturing and Materials. G.3(402). Monthly.

Federal Reserve Bulletin. Monthly.

Industrial Production. G.12.3(414). Monthly.

Bureau of Alcohol, Tobacco, and Firearms
Alcohol and Tobacco Summary Statistics. Annual.

Bureau of the Census

Annual Survey of Manufactures. (1980, most recent.)

Census of Manufactures. Quinquennial. (1977, most recent.)

Census of Mineral Industries. Quinquennial. (1977, most recent.)

Concentration Ratios in Manufacturing Industry. (1977, most recent.)

Cotton Production and Distribution. Annual.

Current Industrial Reports. Monthly, quarterly, and annual series on various industries.

Industry Profiles, 1972-1976. (Annual Survey of Manufactures M76(AS)-7.)

Manufactures' Alternative Energy Capabilities (1977-78 Heating Season.) (Annual Survey of Manufactures M 76 (AS)-4.4.)

Manufacturers' Shipments, Inventories, and Orders. Monthly. (Current Industrial Reports M3-1.)

Manufacturers' Shipments, Inventories, and Orders: 1972-1980. Monthly, with annual summary. (Current Industrial Reports M3-1.10.)

Manufactures—Con.*U.S. Government—Con.***Bureau of the Census—Con.**

Origin of Exports of Manufactured Products: 1980. (Annual Survey of Manufactures M80(AS)-6.)

Pollution Abatement Cost and Expenditures. (Current Industrial Reports MA-200.)

Shipments to Federal Government Agencies. (Current Industrial Reports MA 175.)

Survey of Plant Capacity Utilization. (Current Industrial Reports MQ-C1.)

U.S. Commodity Exports and Imports as Related to Output. Annual. (Series ES2.)

Bureau of Economic Analysis

Business Statistics. 1979 Biennial Edition. 1981.

Survey of Current Business. Monthly.

Bureau of Industrial Economics

The U.S. Industrial Outlook. Annual.

Federal Trade Commission

Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations. First quarter report of year subsequent to reported year.

International Trade Commission

Synthetic Organic Chemicals, U.S. Production and Sales. Annual.

Other

Aerospace Industries Association of America, Washington, D.C.

Aerospace Facts and Figures. Annual.

American Frozen Food Institute, Burlingame, Calif.

Frozen Food Pack Statistics. Annual.

American Iron and Steel Institute, Washington, D.C.

Annual Statistical Report.

Commodity Research Bureau, New York
Commodity Yearbook. Annual.

The Conference Board, New York

Quarterly Survey of Capital Appropriations.

Quarterly Survey of Capital Investment and Supply Conditions in Manufacturing.

Electronic Industries Association, Washington, D.C.

Electronic Market Data Book. Annual.

Gralla Publications, Inc., New York
Merchandising. Monthly.

Manufactures—Con.*Other—Con.*

National Bureau of Economic Research, Cambridge, Mass.

Postwar Productivity Trends in the United States, by John W. Kendrick. 1973. (General Series 98.) (Columbia University Press, Irvington, N.Y.)

National Food Processors Association, Washington, D.C.

Canned Food Pack Statistics. Annual.

Marine Corps—see National Defense.

Marriage—see Vital Statistics.

Medical Care; Mental Diseases—see Health.

Merchant Vessels—see Transportation.

Military Services—see National Defense.

Minerals—see also Economic Indexes; Energy; Foreign Commerce; and Manufactures

*U.S. Government***Bureau of the Census**

Annual Survey of Oil and Gas. (Current Industrial Reports MA-13K.)

Census of Mineral Industries. Quinquennial. (1977, most recent.)

Bureau of the Census and Bureau of Mines
Raw Materials in the United States Economy: 1900-1977. (Issued 1980, Working Paper No. 47.)

Bureau of Mines

Apparent Consumption of Industrial Explosives and Blasting Agents in the United States. Annual.

Mineral Commodity Summaries. Annual.

Mineral Industry Surveys. (Weekly, monthly, quarterly, or annual report.)

Minerals and Materials. (Bimonthly survey.)

Minerals Yearbook. Annual. (Issued in three volumes.)

Vol. I—Metals and Minerals.

Vol. II—Area Reports: Domestic.

Vol. III—Area Reports: International.

Department of the Treasury

Treasury Bulletin. Monthly.

Energy Information Administration

Annual Report to Congress.

Coal Demonstrated Reserve Base, 1980.
International Energy Annual.

Monthly Energy Review.

U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves. Annual.

Minerals—Con.

Other

American Bureau of Metal Statistics, New York
Year Book.

American Gas Association, Arlington, Va.
Gas Facts. Annual.
Year Book.

American Gas Association, American Petroleum Institute, and Canadian Petroleum Association

Reserves of Crude Oil, Natural Gas Liquid, and Natural Gas in the United States and Canada and United States Productive Capacity. Annual.

American Metal Market, New York
Metal Statistics. Annual.

American Petroleum Institute, Washington, D.C.

Quarterly Review of Drilling Statistics for the United States

American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association
Joint Association Survey of the U.S. Oil and Gas Producing Industry. Annual.

Chilton Co., Radnor, Pa.
The Iron Age. Weekly.

Commodity Research Bureau, New York
Commodity Yearbook. Annual.

The Independent Petroleum Association of America, Tulsa
The Oil Producing Industry in Your State. Annual.

McGraw-Hill Publications Co., New York
Engineering and Mining Journal. Monthly.
Keystone Coal Industry Manual. Annual.

National Bureau of Economic Research
Alternative for Growth: The Engineering and Economics of Natural Resource Development, Harvey McMains and Lyle Wilcox, editors. (Other Conferences, No. 12. 1978.) (Balinger Publishing Co., Cambridge, Mass.)

National Coal Association, Washington, D.C.
Bituminous Coal Facts. Biennial.

Petroleum Publishing Co., Tulsa
The Oil and Gas Journal. Weekly.

Carl H. Pforzheimer and Co., New York
Comparative Oil Company Statistics, 1980-1981.

Money and Banking—see also Construction; Insurance; International Accounts; and Investments

U.S. Government

Board of Governors of the Federal Reserve System

Domestic Offices, Commercial Bank Assets and Liabilities Consolidated Report of Condition. E.3.4 (113). Semi-annual.

Federal Reserve Bulletin. Monthly.

Flow of Funds Accounts, Assets and Liabilities Outstanding, 1957-1980.

Flow of Funds: Seasonally Adjusted and Unadjusted. Z.1(780). Quarterly.

Money Stock Measures and Liquid Assets. H.6(508). Weekly.

Board of Governors of the Federal Reserve System, Comptroller of the Currency, and Federal Deposit Insurance Corporation

Bureau of the Mint

Annual Report of the Director.

Comptroller of the Currency

Annual Report.

Quarterly Journal.

Department of the Treasury

Daily Treasury Statement.

Federal Aid to States. Annual.

Monthly Treasury Statement of Receipts and Outlays of the United States Government.

Statement of United States Currency and Coin. Monthly.

Statistical Appendix to Annual Report of the Secretary of the Treasury on the State of the Finances through 1980.

Treasury Bulletin. Monthly.

Farm Credit Administration

Annual Report on the Work of the Cooperative Farm Credit System.

Production Credit Association: Summary of Operations. Annual.

Report to the Federal Land Bank Associations. Annual.

Federal Deposit Insurance Corporation

Annual Report.

Assets and Liabilities: Commercial and Mutual Savings Banks. Semiannual. (Discontinued.)

Bank Operating Statistics. Annual.

Summary of Accounts and Deposits in All Banks. Annual.

Trust Assets of Insured Commercial Banks. Annual.

Federal Home Loan Bank Board

Annual Report.

Money and Banking—Con.**U.S. Government—Con.****Federal Home Loan Bank Board—Con.**

Asset and Liability Trends. Annual.
Savings and Home Financing Source Book. Annual.

National Credit Union Administration
Annual Statistics.
Federal Credit Union Annual Report.
Midyear Statistics.
Monthly Credit Union Statistics.
State Credit Union Annual Report.

Other

Bank and Quotation Record. (William B. Dana Co., New York.) Monthly.

Bankers Trust Company, New York
Credit and Capital Markets, by Beverly Lowen and Donald E. Wooley. Annual.

Credit Union National Association, Madison, Wisconsin
The Credit Union Yearbook.

Federal National Mortgage Association, Washington, D.C.
Semiannual Report.

Investment Company Institute, Washington, D.C.
Mutual Fund Fact Book. Annual.

National Association of Mutual Savings Banks, Washington, D.C.
National Fact Book: Mutual Savings Banking. Annual.

National Bureau of Economic Research, Cambridge, Mass.

The American Economy in Transition, Martin Feldstein, editor. 1980. (University of Chicago Press, Chicago.)

Analysis of Inflation: 1965–1974, Joel Popkin, editor. (Studies in Income and Wealth 42. 1977.) (Ballinger Publishing Co., Cambridge, Mass.)

Conference on Secular Inflation, Karl Brunner, editor. 1973. (Universities-National Bureau Conference 25.) (Supplement to Journal of Money, Credit, and Banking 5, No. 1, part 2. University Microfilms, Ann Arbor.)

Foreign Dollar Balances and the International Role of the Dollar, by Raymond F. Mikesell and J. Herbert Furth. 1974. (Studies in International Economic Relations 8.) (Columbia University Press, Irvington, N.Y.)

Institutional Investors and Corporate Stock—A Background Report, Raymond F. Goldsmith, editor. 1973. (Studies in Capital Formation and Fi-

Money and Banking—Con.**Other—Con.**

National Bureau of Economic Research, Cambridge, Mass.—Con.

ancing 13.) (Columbia University Press, Irvington, N.Y.)

Mortgages—see Construction; *and* Money.

Motor Carriers and Vehicles—see Roads and Transportation.

National Defense—see also Federal Government

U.S. Government**Bureau of the Census**

Shipments of Defense-Oriented Industries. (Current Industrial Reports MA-175.) Monthly.

Department of Defense

Annual Fact Sheet of Department of Defense.

Annual Report of Secretary of Defense.

The Black in the Armed Forces. Statistical Fact Book. Annual.

Five Year Defense Plan. Annual.

Foreign Military Sales and Military Assistance Facts. Annual.

Military Manpower Statistics. Monthly.

Military Posture Report. Annual.

Military Prime Contract Awards. Annual.

Prime Contract Awards by State. Annual.
Real and Personal Property of the Department of Defense. Annual.

Selected Defense Department Economic Indicators. Monthly.

Selected Manpower Statistics. Annual.

National Guard Bureau

Annual Review of the Chief.

Office of Civil Defense

Annual Statistical Report.

Office of Management and Budget

The Budget of the United States Government. Published annually in a group of four documents and a series of eleven special analyses published separately, see listing under "Federal Government Finances and Employment."

Selective Service System, National Headquarters

Semiannual Report of the Director of Selective Service

U.S. Arms Control and Disarmament Agency

World Military Expenditures and Arms Transfers. Annual.

National Defense—Con.*U.S. Government—Con.***Veterans Administration**

Annual Report of Administrator of Veterans Affairs.

Data on Vietnam Era Veterans, 1979.

Other

Army Times Publishing Company, Washington, D.C.

Military Market Facts. Annual.

National Income and Wealth—see also Consumer Income; and Money and Banking*U.S. Government***Bureau of Economic Analysis**

Business Conditions Digest. Monthly.

Business Statistics. 1979 Biennial Edition. 1981.

Fixed Reproducible Tangible Wealth, in the United States, 1925–79. 1982.

Handbook of Cyclical Indicators. 1977.

The National Income and Product Accounts of the United States, 1929–76: Statistical Tables. 1981.

The National Income and Product Accounts of the United States, 1976–79. 1981.

Readings in Concepts and Methods of National Income Statistics, available from National Technical Information Service, Springfield, Va.

Survey of Current Business. Monthly.

Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President. Annual.

Internal Revenue Service

Statistics of Income, 1972, Supplemental Report. Personal Wealth.

Statistics of Income Bulletin. Quarterly.

Other

American Economic Review, vol. LXIV, No. 2, May 1974, "The Concentration of Personal Wealth, 1922–1969," by James D. Smith and Stephen Franklin.

The Conference Board, New York

The National Wealth of the United States, by Major Sector and Industry, by John W. Kendrick, with Kyu Sik Lee and Jean Lomask. 1976. (Report No. 698.)

National Bureau of Economic Research, Cambridge, Mass.

Analysis of Inflation: 1985–1974, Joel Popkin, editor. 1977. (Studies in Income and Wealth 42.) (Ballinger Publishing Co., Cambridge, Mass.)

National Income and Wealth—Con.*Other—Con.*

National Bureau of Economic Research, Cambridge, Mass.—Con.

Business Cycles, Inflation, and Forecasting, by Geoffrey H. Moore. 1980. (Studies in Business Cycles 24.) (Ballinger Publishing Co., Cambridge, Mass.)

Distribution of Economic Well-Being, F. Thomas Juster, editor. 1977. (Studies in Income and Wealth 41.) (Ballinger Publishing Co., Cambridge, Mass.)

Modeling the Distribution and Intergenerational Transmission of Wealth, James D. Smith, editor. 1980. (Studies in Income and Wealth 46.) (University of Chicago Press, Chicago.) (General Series 94.) (University Microfilms, Ann Arbor.)

Vol. 36-Econometric Models of Cyclical Behavior, Bert Hickman, editor. 1972. (Studies in Income and Wealth.) (Columbia University Press, Irvington, N.Y.)

Vol. 39-The Personal Distribution of Income and Wealth, James D. Smith, editor. 1975. (Studies in Income and Wealth.) (Columbia University Press, Irvington, N.Y.)

Vol. 40-Household Production and Consumption, Nestor E. Terleckyj, editor. 1976. (Studies in Income and Wealth.) (Columbia University Press, Irvington, N.Y.)

Naturalization—see Immigration.

Navy—see National Defense.

Newspapers, Periodicals, and Books—see also Communications

*U.S. Government***Bureau of the Census**

Census of Manufactures. Quinquennial. (1977, most recent.)

Library of Congress

Annual Report.

Other

IMS Press, Fort Washington, Pa.

Ayer Directory of Publications. Annual.

Book Industry Study Group, Inc., Darien, Conn.

Book Industry Trends. Annual.

Bowker (R.R.) Company, New York

Library Journal. Bimonthly.

Publishers Weekly.

Newspapers, Periodicals, and Books—Con.*Other—Con.*

Editor & Publisher Co., New York
International Year Book.
Market Guide. Annual.

Nutrition—*see* Food *and* Health.

Occupation—*see* Labor; Population; *and* Social Insurance.

Outlying Areas—*see also* Foreign Commerce

U.S. Government

Bureau of the Census

Census of Agriculture. Quinquennial.
(1978, most recent.)

Census of Housing. Decennial. (1980,
most recent.)

Census of Population. Decennial. (1980,
most recent.)

Current Population Reports. (Series on
Population Estimates, P-25.)

Economic Census of Outlying Areas:
1977.

Guam. (OAC77-6.)

Puerto Rico. (OAC77-1 to 4.)

Virgin Islands of the U.S. (OAC77-5.)

U.S Trade with Puerto Rico and U.S Pos-
sessions. Monthly and annual. (FT
800.)

Bureau of Mines

Minerals Yearbook. Annual. (Issued in
three volumes; *see* list under "Miner-
als.")

National Center for Education Statistics

Digest of Education Statistics. Annual.

Statistics of Public Elementary and Sec-
ondary School Systems. Annual.

National Center for Health Statistics

Monthly Vital Statistics Report, Provision-
al Statistics. Annual Summary also.

Vital Statistics of the United States.
Annual.

Other

Puerto Rico Planning Board, San Juan
Balance of Payments—Puerto Rico.
Annual.

Income and Product. Annual.

Selected Indices of Economic and Social
Progress. Statistical Yearbook.

Socioeconomic Statistics. Annual.

Paper—*see* Forests and Lumber.

Parks—*see* Public Lands.

Pensions—*see* Social Insurance.

Petroleum—*see* Energy *and* Minerals.

**Population and Population Characteristics—
see also Vital Statistics***U.S. Government*

Bureau of the Census

Census of Agriculture. Quinquennial
(1978, most recent.)

Census of Population. Decennial. (1980,
most recent.)

Current Population Reports. (Series on
Population Characteristics, P-20; Spe-
cial Studies, P-23; Population Esti-
mates and Projections, P-25; Federal-
State Cooperative Program for Popula-
tion Estimates, P-26; Farm Population,
P-27; Special Censuses, P-28; and
Consumer Income, P-60.)

The Geographical Mobility of Americans:
An International Comparison, by Larry
H. Long and Celia G. Boertlein. Current
Population Reports, Special Studies,
Series P-23, No. 64.

Social Indicators, 1973; 1976; III.

Bureau of the Census and Department of
Agriculture

Farm Population. Annual. (Series
Census-ERS, P-27.)

Bureau of Labor Statistics

Special Labor Force Reports. Occasion-
al.

U.S. Workers and Their Jobs: The
Changing Picture. 1976. (Bulletin No.
1919.)

U.S. Working Women: A Chartbook
1975. (Bulletin 1880.)

Department of Agriculture

Farm Population Estimates, 1910-70
1973. (Statistical Bulletin No. 523.)
Supplemented annually.

Farm Population, Estimates for (specified
year).

Veterans Administration

Annual Report of Administrator of Veter-
ans Affairs.

County Veteran Population, March 1977.
(Research Monograph 12.)

Disability Compensation Data. Quarterly.
Information Bulletins. Semiannual.

National Survey of Veterans. (1978, most
recent.)

Selected Compensation and Pension
Data by State of Residence. Annual.

Other

Population Association of America, Chicago
Demography. Quarterly.

Population Index. (Princeton University,
Princeton, N.J., Woodrow Wilson
School of Public and International Af-

**Population and Population Characteristics—
Con.**

Other—Con.

Population Association of America, Chicago—Con.

fairs for the Population Association of America, Inc.) Quarterly.

Postal Service—*see* Communications.

Power—*see* Energy.

Prices—*see* Commodity Prices; *and* Economic Indexes.

Prisons and Prisoners—*see* Law Enforcement.

Public Assistance—*see* Social Insurance.

**Public Lands and Park Systems—*see also*
Federal Government; *and* Recreation**

U.S. Government

Bureau of Land Management
Public Land Statistics. Annual.

General Services Administration
Inventory Report on Real Property
Leased to the United States Through-
out the World. Annual.
Inventory Report on Real Property
Owned by the United States Through-
out the World. Annual.

National Park Service
Areas Administered by the National Park
Service. Semiannual through 1978.
National Park Statistical Abstract. Annual.
Overnight Stays. Annual.
Public Use of the National Parks. Monthly
through December 1972.

Other

National Recreation and Park Association,
Alexandria, Va.
State Park Statistics, 1975.

Public Utilities—*see* Communications; Energy;
and Transportation.

Puerto Rico—*see* Outlying Areas.

Radio—*see* Communications.

Railways—*see* Transportation.

Real Estate—*see* Agriculture; *and* Construction.

Reclamation Projects—*see* Irrigation.

Recreation—*see also* Public Lands

U.S. Government

Bureau of the Census
Census of Transportation. Quinquennial.
(1977, most recent.)
Social Indicators, 1973; 1976; III.

Recreation—Con.

U.S. Government—Con.

Bureau of Economic Analysis
Business Statistics. 1979 Biennial Edi-
tion. 1981.

Survey of Current Business. Monthly.

Coast Guard

Boating Statistics. Annual.

Recreational Boating in the Continental
United States in 1973 and 1976: The
Nationwide Boating Survey.

Department of Transportation

U.S. International Air Travel Statistics.
Annual.

Fish and Wildlife Service

Federal Aid in Fish and Wildlife Restora-
tion. Annual.

National Survey of Hunting, Fishing, and
Wildlife Associated Recreation. Quin-
quennial.

National Park Service

National Park Statistical Abstract. Annual.
Public Use of the National Parks. Monthly
through December 1972.

Other

National Marine Manufacturers Association,
Chicago
Annual Market Research Notebook: The
Marine Market. Annual.
Boating. (A Statistical Report on Ameri-
ca's Top Family Sport.) Annual.
State Boat Registration. Annual.

National Association of State Racing Com-
missioners, Lexington, Ky.

Statistical Reports on Greyhound Racing
in the United States. Annual.

Statistical Reports on Horse Racing in
the United States. Annual.

National Golf Foundation, Inc., North Palm
Beach, Fla.

Golf Facilities in the United States.
Annual. (Information Sheet ST1.)

National Recreation and Park Association,
Alexandria, Va.

Parks & Recreation. (July 1976, most
recent.)

Religious Bodies

Other

National Council of the Churches of Christ
in the U.S.A., New York
Yearbook of American and Canadian
Churches. Annual.

Research and Development—see Scientific Resources.

Retail and Wholesale Trade—see also Commodity Prices; Economic Indexes; and Service Establishments

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of the Census

Annual Retail Trade Report.

Annual Wholesale Trade Report.

Census of Retail Trade. Quinquennial. (1977, most recent.)

Census of Wholesale Trade. Quinquennial. (1977, most recent.)

County Business Patterns. Annual.

Monthly Retail Trade Report. Sales and Inventories.

Monthly Wholesale Trade Report. Sales and Inventories.

Selected Characteristics of Retail Trade—Measure of Value Produced, Capital Expenditures, Depreciable Assets, and Operating Expenses. (1977, most recent.)

Bureau of Economic Analysis

Business Statistics. 1979 Biennial Edition, 1981.

Survey of Current Business. Monthly.

Bureau of Labor Statistics

Employment and Earnings. Monthly.

Supplement to Employment and Earnings, States and Areas Data. Annual.

Supplement to Employment and Earnings, Revised Establishment Data. Annual.

Handbook of Labor Statistics. Periodic.

Monthly Labor Review.

Producer Prices and Price Indexes. Monthly.

Other

Chain Store Age. (Lebhar-Friedman Publications, New York.) Monthly

Galla Publications, Inc., New York
Merchandising. Monthly

Laventhol & Horwath, Philadelphia

Executive Compensation and Fringe Benefits in the Restaurant Industry (Published by the National Restaurant Association, Washington, D.C., based on information prepared by Laventhol & Horwath.)

National Trends of Business in the Restaurant Industry. Monthly. (Published in conjunction with the National Restaurant Association.)

Retail and Wholesale Trade—Con.

Other—Con.

Laventhol & Horwath, Philadelphia—Con.

National Restaurant Association. 1981 News.

Restaurant Operations. Annual.

Roads—see Transportation.

Sales—see Retail and Wholesale Trade.

Savings—see Consumer Income; and Money

Savings and Loan Associations—see Money

Scientific Resources

U.S. Government

Bureau of the Census

Current Industrial Reports, MQ370.

Energy Research and Development Administration

The Nuclear Industry. Annual.

National Aeronautics and Space Administration

Satellite Situation Report. Semi-monthly.

National Science Foundation

Academic Science: Graduate Enrollment and Support. Annual.

Academic Science: R&D Funds. Annual.

Academic Science: R&D Funds, Scientists and Engineers, and Graduate Enrollment and Support. Annual.

Academic Science: Scientists and Engineers. Annual.

Characteristics of Doctoral Scientists and Engineers in the United States. Biennial.

Characteristics of Experienced Scientists and Engineers. Biennial.

Employment Attributes of Recent Science and Engineering Graduates. Biennial.

Employment Patterns of Academic Scientists and Engineers: 1973-78. Special Report. (NSF 80-314)

Federal Funds for Research and Development. (Includes geographic distribution and funding by function.) Annual.

Federal R&D Funding by Budget Function. Annual.

Federal Scientific and Technical Personnel. Special report.

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions. A report to the President and Congress. Annual.

Foreign Participation in U.S. Science and Engineering Higher Education and Labor Markets. Special report. (In press.)

Scientific Resources—Con.**U.S. Government—Con.****National Science Foundation—Con.**

National Patterns of Science and Technology Resources. Annual.

Occupational Mobility of Scientists and Engineers. Special Report. (NSF 80-317.)

Problems of Small, High-Technology Firms. Special Report. (NSF 81-035.)

Projections of Degrees and Enrollment in Science and Engineering Fields to 1985. Special Report. (NSF 76-301.)

Projections of Science and Engineering Doctorate Supply and Utilization, 1982 and 1987. Special Report. (NSF 79-303.)

Research and Development in Industry. Annual.

Research and Development in State and Local Governments. Special report. (NSF 79-327.)

Reviews of Data on Science Resources. Occasional.

No. 33. U.S. Industrial R&D Spending Abroad. (NSF 79-304.)

No. 34. Sex and Ethnic Differentials in Employment and Salaries Among Federal Scientists and Engineers. (NSF 79-323.)

Science and Engineering Personnel: A National Overview. Biennial.

Science Indicators. Biennial.

Science Resources Studies Highlights. Periodic.

Hiring of Science and Engineering Faculty by 2- and 4-Year Colleges. (NSF 78-309.)

Tenure Practices in Universities and 4-Year Colleges. (NSF 81-300.)

Scientific and Technical Personnel in Private Industry. Biennial.

Scientists and Engineers From Abroad. Special Report. (NSF 80-324.)

Scientists, Engineers and Technicians in Private Industry: 1978-80. Special Report. (NSF 80-320.)

Stock of Science and Engineering Master's Degree-Holders in the United States. Special Report. (NSF 81-302.)

U.S. Scientists and Engineers. Biennial.

Women and Minorities in Science and Engineering. Special report.

Young and Senior Science and Engineering Faculty. Special Report. (NSF 81-319.)

Patent and Trademark Office

Commissioner of Patents and Trademarks Annual Report.

Scientific Resources—Con.**Other**

National Academy of Sciences, Washington, D.C.

Summary Report. Doctorate Recipients from United States Universities. Annual.

Securities—see Investments; and Money.

Service Establishments—see also Retail and Wholesale Trade

U.S. Government**Bureau of the Census**

Annual Selected Services Report.

Census of Service Industries. Quinquennial. (1977, most recent.)

Monthly Selected Services Receipts. (Series BS.) (Discontinued December 1981.)

Internal Revenue Service

Statistics of Income. (Annual reports on Corporation and Business Income Tax Returns. Periodic reports on Foreign Income and Tax Reported on U.S. Corporation Tax Returns.)

Statistics of Income Bulletin. Quarterly.

Other

Decker Communications, Inc., New York
Marketing Communications. (Advertising.) Monthly.

Harris, Kerr, Forster & Company, New York
Trends in the Hotel-Motel Business. Annual.

Laventhol & Horwath, Philadelphia

The Executive Conference Center: A Statistical and Financial Profile. Annual.

Gaming Industry Study. Annual.

Lifecare Industry. Annual. (Analysis of facilities by size and section of the country for selected financial data, resident census information, and medical costs.)

National Trends of Business in the Lodging Industry. Monthly. (Analysis of nationwide trends in sales, occupancy, and room rates of hotels, motor hotels, and budget lodging facilities.)

Trends of Business in Hotels. Monthly. (Analysis of nationwide trends in sales, occupancy, and room rates throughout Canada.)

U.S. Budget Lodging Industry. Annual. (Report on budget lodging operations.)

U.S. Lodging Industry. Annual. (Report on hotel and motor hotel operations.)

Worldwide Lodging Industry. Annual. (Report on international hotel operations.)

Social Insurance and Human Services—see also Insurance; and Labor

U.S. Government

Bureau of the Census

Census of Governments. Quinquennial. (1977, most recent.)

Finances of Employee-Retirement Systems of State and Local Governments. Annual. (GF No. 2.)

Finances of Selected Public Employee Retirement Systems. Quarterly. (GR Nos. 1-4.)

Social Indicators, 1973; 1976. III

Bureau of Labor Statistics

Monthly Labor Review.

Department of Health and Human Services Annual Report.

Department of Labor

Annual Report of the Secretary.

Employment and Training Administration

Unemployment Insurance Claims. Weekly.

Unemployment Insurance Statistics. Monthly.

Health Care Financing Administration

Health Care Financing Notes. Preliminary descriptive program data. Annual.

Health Care Financing Program Statistics. Medicare and Medicaid data. Annual.

Office of Human Development Services

Caseload Statistics of State Vocational Rehabilitation Agencies in Fiscal Year. Annual.

Characteristics of Clients Rehabilitated in Fiscal Year. Annual.

Social Services, USA. Quarterly.

State Vocational Rehabilitation Agency Program Data in Fiscal Years. Annual.

Office of Personnel Management

Annual Report.

Federal Fringe Benefits Facts. Annual.

Monthly Release of Federal Civilian Work Force Statistics.

Report on Civil Service Retirement, Federal Employees Group Life Insurance, Federal Employees Health Benefits, Retired Federal Employees Health Benefits. Annual.

Railroad Retirement Board, Chicago

Annual Report.

RRB Quarterly Review.

Securities and Exchange Commission

Annual Report.

SEC Monthly Statistical Review.

**Social Insurance and Human Services—Con.
U.S. Government—Con.**

Social Security Administration

AFDC: 1975 Recipient Characteristics Study. (Part I, Demographic and Program Statistics, 1977.) (Part II, Child Support Enforcement, 1978.) (Part III, Financial Circumstances, 1978.) (Part IV, Social Services, 1978.)

Aid to Families With Dependent Children. A Chartbook. 1978.

Alcoholics and Drug Addicts Receiving Supplemental Security Income, August 1977. (Social Security Bulletin. January 1980.)

Almost 65: Baseline Data From the Retirement History Study. 1976. (Research Report No. 49.)

Antecedents of Mortality Among the Old-Age Assistance Population. (Social Security Bulletin. July 1979.)

Appeals Under the SSI Program: January 1974-August 1976. (Social Security Bulletin. April 1979.)

Applications and Case Dispositions for Public Assistance. Quarterly. (Report A-12.)

The Assets of the Elderly as They Retire. 1980.

Benefits and Beneficiaries Under Public Employee Retirement Systems. Calendar Year 1977. 1980. (Research and Statistics Note No. 4.)

Blind and Disabled Persons Awarded Federally Administered SSI Payments, 1975. (Social Security Bulletin. June 1979.)

Characteristics of Social Security Disability Insurance Beneficiaries, 1975. 1980.

A Comparison of Disability Insurance Trust Fund Savings and Costs for the Beneficiary Rehabilitation Programs. (Research Reports.)

Disability Survey 72 (Research Report No. 56.)

Effect of SSI on Medicaid Caseloads and Expenditures. (Social Security Bulletin. February 1979.)

The Effects of Disability on Lifetime Earnings. 1978. (Staff Paper No. 30.)

Federal Matching Provisions for AFDC. (Research and Statistics Note No. 2. 1979.)

General Revenue Financing of the Social Security System. (Staff Paper No. 33.)

Hearings on Public Assistance. Annual. (Report No. E-8.)

Income and Living Arrangements Among Poor Aged Singles. (Social Security Bulletin. April 1981.)

Income and Resources of the Aged. Chartbook. 1981.

Social Insurance and Human Services—Con.

U.S. Government—Con.

Social Security Administration—Con.

Income of the Population 55 and Over, 1976. 1980. (Staff Paper No. 35.)

Indochina Refugees Receiving Supplemental Security Income, July 1978. 1980. (Research and Statistics Note No. 6.)

Lifetime Covered Earnings and Quarters of Coverage of Retired and Disabled Workers, 1972. 1977.

Low Income Widows and Other Aged Singles. (Social Security Bulletin. December 1979.)

Monthly Benefit Statistics Note. Monthly. Pension Coverage and Vesting Among Private Wage and Salary Workers, 1979: Preliminary Estimates from the 1979 Survey of Pension Plan Coverage. 1980.

The Pensionable Age in Selected Industrialized Countries. (Research and Statistics Note No. 15. 1977.)

A Precise Formula for Primary Insurance Amounts, 1976. (Staff Paper No. 22.)

Preliminary Findings from the 1978 Survey of Survivor Families with Children. 1980. (Research and Statistics Note No. 12.)

Program and Demographic Characteristics of SSI Beneficiaries. Annual.

Public Assistance: Comparison of Calendar Years 1975-77. (Research and Statistics Note No. 10. 1978.)

Public Assistance Recipients and Cash Payments by State and County. Annual.

Public Assistance Statistics. Monthly.

Receipt of Multiple Benefits by Disabled-Worker Beneficiaries. (Staff Paper No. 40.)

Representative Payment Under the SSI Program, August 1977. (Social Security Bulletin. 1980.)

Research Microdata Files, Fall 1978. 1979.

Retirement Benefits Based on Married Couples' Combined Earnings. (Research and Statistics Note No. 9. 1978.)

Simulation Model of Women Under Social Security; Estimation of Labor Supply Relationships. (Staff Paper No. 32.)

Simulation Model of Women Under Social Security: Initial Model File. (Staff Paper No. 31.)

Social Security Beneficiaries in Metropolitan Areas. Annual.

Social Insurance and Human Services—Con.

U.S. Government—Con.

Social Security Administration—Con.

Social Security Beneficiaries Receiving SSI Payments. (Social Security Bulletin. August 1979.)

Social Security Beneficiaries Residing Abroad, 1976. 1978.

Social Security Bulletin. Monthly with annual statistical supplement. (Data on OASDHI, supplemental security income, aid to families with dependent children, and black lung programs.)

Social Security Programs Throughout the World, 1977. (Research Report No. 50.)

Social Welfare Expenditures, Fiscal Year 1978. 1980. (Research and Statistics Note No. 2.)

Social Welfare Expenditures Under Public Programs. Annual.

SSI Beneficiaries in Metropolitan Areas, December 1978. 1981. (Research and Statistics Note.)

SSI Beneficiaries With Spanish Surnames in the Southwest. (Research and Statistics Note No. 5. 1978.)

SSI Payments to Lawfully Resident Aliens, 1978-79. (Social Security Bulletin. March 1980.)

SSI Recipients and Title XX Services, July-September 1977. 1980. (Research and Statistics Note No. 14.)

SSI Recipients in Medical Facilities Covered by Title XIX (MEDICAID), December 1979. 1981. (Research and Statistics Note No. 2.)

SSI: Trends in State Supplementation, 1974-78. (Social Security Bulletin. July 1980.)

State and Local Government Employment Under OASDI. Annual.

Supplemental Security Income for the Aged: A Comparison of Five Countries. (Staff Paper No. 15.)

The Supplemental Security Income Program for the Aged, Blind, and Disabled: Selected Characteristics of State Supplementation Programs as of October 1979. 1980.

Supplemental Security Income, State and County Data. Biannually, June and December.

Survey of Blind and Disabled Children Receiving Supplemental Security Income (SSI) Benefits. 1980.

Survey of Disability and Work: Technical Introduction. 1978. January 1982.

Survey of Student Beneficiaries: 1973.

Termination of OASDI Benefits, 1975. (Research and Statistics Note No. 11. 1978.)

Social Insurance and Human Services—Con.**U.S. Government—Con.****Social Security Administration—Con.**

Work Disability in the United States; a Chartbook. 1980.

Veterans Administration

Annual Report of Administrator of Veterans Affairs.

Government Life Insurance Programs. Annual.

Other

American Association of Fund-Raising Counsel, Inc., New York.

Giving USA. Annual.

American Red Cross, Washington, D.C.
Annual Report.

Boy Scouts of America, National Council, Irving, Texas.
Annual Report.

The Foundation Center, New York
National Data Book. Edition 6. 1982.
The Foundation Grants Index. Edition 11. 1982.

Girl Scouts of the U.S.A., New York
Annual Report.

National Bureau of Economic Research, Cambridge, Mass.

The Measurement of Economic and Social Performance, Milton Moss, editor. 1974 (Studies in Income and Wealth, vol. 38.) (Columbia University Press, Irvington, N.Y.)

United Way of America, Alexandria, Va.
Annual Directory.

Soil Conservation—see Irrigation.

Sports—see Recreation.

State and Local Government—see also Federal Government

U.S. Government**Bureau of the Census**

Census of Governments. Quinquennial. (1977, most recent.)

City Employment. Annual. (GE No. 2.)

City Government Finances. Annual. (GF No. 4.)

County Government Employment. Annual. (GE No. 4.)

County Government Finances. Annual. (GF No. 8.)

Environmental Quality Control. Governmental Finances. Annual. (1979–80, most recent.) (GSS No. 101.)

State and Local Government—Con.**U.S. Government—Con.****Bureau of the Census—Con.**

Expenditures of General Revenue Sharing and Anti-recession Fiscal Assistance Funds. 1977–78. (GSS No. 96.)

Finances of Employee-Retirement Systems of State and Local Governments. Annual. (GF No. 2.)

Finances of Public School Systems. Annual. (GF No. 10.)

Finances of Selected Public Employee Retirement Systems. Quarterly. (GR Nos. 1–4.)

Governmental Finances. Annual. Covers Federal, State, and local governments. (GF No. 5.)

Labor-Management Relations in State and Local Governments: 1980. (GSS No. 102.)

Local Government Employment in Selected Metropolitan Areas and Large Counties. Annual. (GE No. 3.)

Local Government Finances in Selected Metropolitan Areas and Large Counties. Annual. (GF No. 6.)

Property Values Subject to Local General Property Taxation in the United States. 1979. (GSS No. 98.)

Public Employment. Annual. (GE No. 1.)

Quarterly Summary of State and Local Tax Revenue. (GT Nos. 1–4.)

State and Local Ratio Studies, Property Tax Assessment, and Transfer Taxes. (GSS No. 99.)

State Government Finances. Annual. (GF No. 3.)

State Government Tax Collections. Annual. (GF No. 1.)

Taxes and Intergovernmental Revenue of Counties, Municipalities, and Townships. Annual. (GF No. 9.)

Bureau of Justice Statistics (formerly Law Enforcement Assistance Administration) and Bureau of the Census

Expenditure and Employment Data for the Criminal Justice System. Annual.

Department of the Treasury

Federal Aid to States. Annual.

Federal Highway Administration

Highway Statistics. Annual.

National Science Foundation

Research and Development in State and Local Governments 1977. Special Report. (NSF 79–327.)

Office of Management and Budget

The Budget of the United States Government. Published annually in a group of

State and Local Government—Con.

U.S. Government—Con.

Office of Management and Budget—Con.

four documents and a series of eleven special analyses published separately; see listing under "Federal Government Finances and Employment."

Social Security Administration

Benefits and Beneficiaries Under Public Employee Retirement Systems. Calendar Year 1977. 1980. (Research and Statistics Note 4.)

State and Local Government Employment Under OASDI. Annual.

Other

Advisory Commission On Intergovernmental Relations, Washington, D.C.

Central City-Suburban Fiscal Disparity and City Distress, 1977. 1980.

Changing Public Attitudes on Governments and Taxes. Annual.

The Condition of Contemporary Federalism. 1981.

Payments in Lieu of Taxes on Federal Real Property. 1981.

Recent Trends in Federal and State Aid to Local Governments. 1980.

Regional Growth-Interstate Tax Competition. 1981.

Significant Features of Fiscal Federalism. Annual.

State and Local Pension Systems, Federal Regulatory Issues. 1980.

State Limitations on Local Taxes and Expenditures. 1977.

State-Local Finances in Recession and Inflation: An Economic Analysis. 1979.

The State of State-Local Revenue Sharing. 1980.

Tax Capacity of the Fifty States: Methodology and Estimates. 1982.

The Value-Added Tax and Alternative Sources of Federal Revenue. 1978.

The Council of State Governments, Lexington, Ky.

American State Legislatures; Their Structures and Procedures, 1977.

The Book of the States. Biennial.

State Administration Officials, Classified by Functions. Biennial.

State Court Systems, 1978.

International City Management Association, Washington, D.C.

Municipal Year Book.

State and Local Government—Con.

Other—Con.

National Governor's Association and National Association of State Budget Officers, Washington, D.C.

Budgetary Processes in the States. July 1981.

Fiscal Survey of the States. Annual.

The Tax Foundation, Inc., New York

Facts and Figures on Government Finance. Biennial.

Stocks and Bonds—see Investments.

Stores—see Retail and Wholesale Trade and Service Establishments.

Tax Collections—see Federal Government; and State and Local Government.

Telephone and Telegraph Systems—see Communications.

Television—see Communications.

Trade—see Foreign Commerce; Retail and Wholesale Trade; and Service Establishments.

Transportation—see also Foreign Commerce; and Roads

U.S. Government

Army, Corps of Engineers

Waterborne Commerce of the United States (in five parts). Annual.

Bureau of the Census

Census of Transportation. Quinquennial. (1977, most recent.)

U.S. Waterborne Exports and General Imports. Monthly and annual. (FT 985.)

Vessel Entrances and Clearances: Annual Report. (FT 975.)

Bureau of Economic Analysis

Survey of Current Business. Monthly. Supplemented by Business Statistics, weekly and biennial.

Civil Aeronautics Board

Air Carrier Financial Statistics. Quarterly.

Air Carrier Traffic Statistics. Monthly.

Handbook of Airline Statistics. Annual, with biennial supplements.

Civil Aeronautics Board and Federal Aviation Administration

Airport Activity Statistics of Certificated Route Air Carriers. Semiannual.

Coast Guard

Marine Safety Statistical Review.

Merchant Vessels of the United States. Annual.

Transportation—Con.**U.S. Government—Con.**

Department of State, Bureau of Consular Affairs

Summary of Passport Statistics. Annual.

Department of Transportation

National Transportation Statistics. Annual.

U.S. International Air Travel Statistics. Annual.

Federal Aviation Administration

Airport Activity Statistics of Certificated Route Air Carriers. Annual.

Census of U.S. Civil Aircraft. Annual.

FAA Air Traffic Activity. Annual, for fiscal years.

FAA Statistical Handbook of Aviation. Annual.

General Aviation Activity and Avionics Survey. Annual.

U.S. Civil Airman Statistics. Annual.

Federal Highway Administration

Cost of Operating an Automobile. Periodic.

Drivers Licenses. Annual.

Federal Aid and Allied Highway Programs. Annual.

Highway Statistics. Annual.

Traffic Speed Trends. Annual.

Interstate Commerce Commission

Annual Report.

Financial and Operating Statistics, Class I Motor Carriers of Passengers. Semiannual. (Discontinued in 1979.)

Financial and Operating Statistics, Class I Motor Carriers of Property. Semiannual. (Discontinued in 1979.)

Financial and Operating Statistics, Class I Railroads. Semiannual. (Discontinued in 1979.)

Freight Commodity Statistics, Class I Motor Carriers of Property. Annual. (Discontinued in 1980.)

Freight Commodity Statistics, Class I Railroads in the United States. Annual.

Revenue and Traffic of Carriers by Water. Quarterly, with summary for calendar year. (Discontinued in 1979.)

Transport Economics. Monthly until April 1974; quarterly thereafter. (Discontinued in 1979.)

Transport Statistics in the United States. Issued annually in five separate parts. (Parts 3-5 discontinued in 1980.)

Maritime Administration

Annual Report.

Bulk Carriers in the World Fleet. Annual.

Containerized Cargo Statistics. Annual.

Transportation—Con.**U.S. Government—Con.**

Maritime Administration—Con.

Employment Report of United States Flag Merchant Fleet Ocean-going Vessels 1,000 Gross Tons and Over. Annual. (Monthly and quarterly data available from source.)

Foreign Flag Merchant Ships Owned by U.S. Parent Companies. Annual.

Maritime Manpower Report. Monthly.

New Ship Construction. Annual.

A Statistical Analysis of the World's Merchant Fleets. Annual.

National Transportation Safety Board

Annual Review of Aircraft Accident Data, U.S. Air Carrier.

Annual Review of Aircraft Accident Data, U.S. General Aviation.

Safety Information Release 79-4. U.S. Civil Aviation Safety Records.

Senate, Committee on Government Operations

Disclosure of Corporate Ownership. 1973. (93rd Congress, 1st Session.)

Other

Aerospace Industries Association of America, Washington, D.C.

Aerospace Facts and Figures. Annual.

Air Transport Association of America, Washington, D.C.

Air Transport Facts and Figures. Annual Quarterly Review.

American Bureau of Shipping, New York

The Bulletin. Monthly.

American Bus Association, Washington, D.C.

Bus Facts. Annual.

American Public Transit Association, Washington, D.C.

Transit Fact Book. Annual.

Association of American Railroads, Washington, D.C.

Cars of Revenue Freight Loaded. Weekly with annual summary.

Freight Commodity Statistics, Class I Railroads in the United States. 1980 and 1981.

Statistics of Railroads of Class I. Annual Yearbook of Railroad Facts.

Automotive News Almanac (Slocum Publishing Company, Detroit.) Annual.

Aviation Week. (Gralla Publications, Inc. New York.) Weekly.

Transportation—Con.

Other—Con.

Chilton Company, Radnor, Pa.

Annual Statistical Issue, Automotive Industries.

General Aviation Manufacturers Association, Washington, D.C.

1977 Statistical Data. Report issued periodically.

Lake Carriers' Association, Detroit

Annual Report.

Lloyd's Register of Shipping, London, England

Annual Summary of Merchant Ships Completed in the World.

Annual Summary of Merchant Ships Totally Lost, Broken Up, etc., in the World. Also quarterly.

Quarterly Shipbuilding Returns (Merchant Ships Under Construction, and Ships Not Commenced in the World).

Statistical Tables. Annual. Analysis of world merchant fleet.

Motor Vehicle Manufacturers Association of the United States, Inc., Detroit

Motor Vehicle Facts and Figures. Annual.
World Motor Vehicle Data. Annual.

National Air Carrier Association, Washington, D.C.

Annual Report.

Railway Age. (Simmons-Boardman Publishing Corp., New York.) Weekly. (Annual review and outlook issue.)

Shipbuilders Council of America, Washington, D.C.

Annual Report.

Tanker Advisory Center, Inc., New York

Worldwide Tanker Casualty Returns.

Transportation Association of America, Washington, D.C.

Transportation Facts and Trends.

Travel—see Recreation and Transportation.

Unemployment Insurance—see Labor; and Social Insurance.

Utilities, Public—see Communications; Energy; and Transportation.

Veterans—see National Defense; and Population.

Virgin Islands of the United States—see Outlying Areas.

Vital Statistics—see also Accidents; and Health

U.S. Government

Centers for Disease Control

Abortion Surveillance Report—Legal Abortions. Annual.

Morbidity and Mortality Weekly Report. Annual summary also.

National Center for Health Statistics

Monthly Vital Statistics Report. Provisional Statistics. Annual summary also.

United States Life Tables: 1969–71. Decennial.

Vital and Health Statistics. (A series of statistical reports covering health-related topics.)

Series 20: Mortality Data. Irregular.

Series 21: Natality, Marriage, and Divorce Data. Irregular.

Series 23: National Survey of Family Growth Statistics. Irregular.

Vital Statistics of the United States. Annual.

Other

The Alan Guttmacher Institute, New York

Abortion: Need, Services and Policies: Each State. 1979.

Abortion 1976–77: Need and Services in the United States, Each State and Metropolitan Area. 1979.

Abortions and the Poor: Private Mortality, Public Responsibility. 1979.

Family Planning Perspectives. Monthly.

United Nations Statistical Office, New York
Demographic Yearbook.

1977 Supplement to the Statistical Yearbook and the Monthly Bulletin of Statistics, Methodology, and Definitions. 1979.

Population and Vital Statistics Report. (Statistical Papers, Series A.) Quarterly.

Statistical Yearbook.

World Health Organization, Geneva, Switzerland

Annual Epidemiological and Vital Statistics.

Epidemiological and Vital Statistics Report. Monthly.

World Health Statistics. Quarterly and annual.

Vocational Rehabilitation and Education

U.S. Government

Bureau of the Census

Social Indicators, 1973; 1976; III.

**Vocational Rehabilitation and Education—
Con.***U.S. Government—Con.*

Department of Education
Annual Report.

Office of Human Development Services

Caseload Statistics of State Vocational
Rehabilitation Agencies in Fiscal Year.
Annual.

Characteristics of Clients Rehabilitated in
Fiscal Years. Annual.

Digest of Annual Reports of State Boards
for Vocational Education.

State Vocational Rehabilitation Agency
Program Data in Fiscal Years. Annual.

Vocational and Technical Education.
Annual. (Discontinued 1978.)

Office of Management and Budget

The Budget of the United States Govern-
ment. Published annually in a group of
four documents and a series of eleven
special analyses published separately;
see listing under "Federal Government
Finances and Employment."

Veterans Administration

Annual Report of Administrator of Veter-
ans Affairs.

Disability Compensation Data. Semiannu-
al.

Disability and Death Pension Data. Semi-
annual.

**Vocational Rehabilitation and Education—
Con.***U.S. Government—Con.*

Veterans Administration—Con.

Disabled Veterans of the Vietnam Era—
Education and Training Under the GI
Bill and the Vocational Rehabilitation
Program. May 1979.

Employment and Unemployment Among
Vietnam Era Veterans—An Analysis of
the 1979 National Survey of Veterans.
August 1981.

Historical Data on the Usage of Educa-
tional Benefits: 1944–1980. May 1981.

Reports and Statistics Monographs—Vet-
erans Benefits under Current Educa-
tional Programs. Biennial.

Women Veterans—Use of Educational
Benefits Under the GI Bill. September
1981.

Wages and Wage Rates—*see* Labor, *and*
Social Insurance.

Wealth—*see* National Income.

Weather—*see* Climate.

Welfare Services—*see* Health; *and* Social Insur-
ance.

Wholesale and Retail Trade—*see* Retail *and*
Wholesale Trade.

Wholesale Prices—*see* Commodity Prices.

Work Relief—*see* Social Insurance.

Work Stoppages—*see* Labor.

Bureau of the Census Publication

In most cases, separate reports of the most recent censuses are available for each State, subject, industry, etc. Complete information on publications of all the censuses and current surveys conducted by the Bureau of the Census appears in the *Bureau of the Census Catalog*, published annually and available from the Superintendent of Documents.

Guide to State Statistical Abstracts

This bibliography includes the most recent statistical abstracts for States and Puerto Rico published since 1973 plus those that will be issued in late 1982 or early 1983. For some States, a near equivalent has been listed in substitution for, or in addition to, a statistical abstract. All sources contain statistical tables on a variety of subjects for the State as a whole, its component parts, or both. The page counts given for publications cited as "In process" are approximate.

Alabama

University of Alabama, University, Center for Business and Economic Research
Economic Abstract of Alabama. 1982. 404 pp.

Alaska

Office of the Governor, Juneau, Division of Budget and Management
The Alaska Statistical Review. 1982.

Arizona

Valley National Bank, Phoenix
Arizona Statistical Review. 38th ed. 1982.

University of Arizona, Tucson, Division of Economic and Business Research, College of Business and Public Administration
Arizona Statistical Abstract: A 1979 Data Handbook. 640 pp.

Arkansas

University of Arkansas at Little Rock, Industrial Research and Extension Center
State and County Economic Data for Arkansas. 14 pp. (Revised semiannually.)

California

Department of Finance, Sacramento
California Statistical Abstract, 1982. 200 pp.

Colorado

Transrep/bibliographics, Denver
Statistical Abstract of Colorado, 1976-1977, Thomas G. Tyler, editor. 1977. 515 pp.

Connecticut

Connecticut Department of Economic Development, Hartford, Business Office
Connecticut Market Data. 1981. 100 pp. (Out of print.)

Delaware

Delaware Development Office, Dover
Dimensions on Delaware, A Statistical Abstract for 1979.

District of Columbia

Office of Planning and Development, Data Services Division, District of Columbia.
Population Estimates and Housing Units, annual.

Florida

University of Florida, Gainesville, Bureau of Economic and Business Research
Florida Statistical Abstract, 1982. 16th ed. 1982.

Georgia

University of Georgia, Athens, Division of Research, College of Business Administration
Georgia Statistical Abstract, 1982. 1982. 500 pp.

Hawaii

Hawaii State Department of Planning and Economic Development, Honolulu
The State of Hawaii Data Book 1982: A Statistical Abstract. 16th ed. 1982. 550 pp.

University of Hawaii Press, Honolulu
Historical Statistics of Hawaii. 1977. 711 pp.

Idaho

University of Idaho, Moscow, Center for Business Development and Research
Idaho Statistical Abstract. 1980. 415 pp.

Illinois

Bureau of the Budget, Springfield
Statistical Abstract, 1981. 159 pp.

Illinois—Con.

Department of Commerce and Community Affairs, Springfield
Illinois State and Regional Economic Data Book—1982. 245 pp.

Indiana

Indiana State Planning Services Agency, Indianapolis
Indiana Fact Book, 1979. (No longer published.)

Iowa

Iowa Development Commission, Des Moines, Research Division
1981 Statistical Profile of Iowa. 121 pp.

Kansas

University of Kansas, Lawrence, Center for Public Affairs
Kansas Statistical Abstract, 1981. 17th ed. 1982. 260 pp.

Kentucky

Kentucky Department of Economic Development, Frankfort
Kentucky Economic Statistics. 19th ed. 1983.

Louisiana

University of New Orleans, New Orleans, Division of Business and Economic Research
Statistical Abstract of Louisiana. 7th ed. 1981.

Maine

Maine State Development Office, Augusta
State of Maine Fact Sheets (Updated periodically.)

Maryland

Department of Economic and Community Development, Annapolis
Maryland Statistical Abstract. 1980. 350 pp.

Massachusetts

Fred J. Gibney, Gloucester
Monograph of The Commonwealth of Massachusetts. (30 pp; updated periodically.)

Michigan

Wayne State University, Detroit, Bureau of Business Research, School of Business Administration
Michigan Statistical Abstract. 17th ed. 1982. 850 pp.

Minnesota

Minnesota Department of Energy, Planning and Development, Saint Paul
Minnesota Statistical Profile. 1981.

Mississippi

Mississippi State University, Mississippi State, College of Business and Industry, Division of Research
Mississippi Statistical Abstract. 1982. 800 pp.

Missouri

University of Missouri, Columbia, Research Center
Statistical Abstract for Missouri, 1982.

Montana

Montana Department of Administration, CSD Data Management Services Bureau, Helena
Montana County Profiles. 1972. (Separate county reports updated periodically.)

Nebraska

Department of Economic Development, Lincoln, Division of Research
Nebraska Statistical Handbook. 1982-1983. 300 pp.

Nevada

Governor's Office of Planning Coordinator, Carson City
Nevada Statistical Abstract. 1981. 230 pp.

New Hampshire

Office of State Planning, Concord
Selected Characteristics of New Hampshire Communities. December 1979. 10 pp.
Selected Economic Characteristics of New Hampshire Communities. February 1980. 11 pp.

New Jersey

Office of Demographic and Economic Analysis, Trenton
County Data Summary, 1980. 2 pp.

New Mexico

University of New Mexico, Albuquerque, Bureau of Business and Economic Research
New Mexico Statistical Abstract. 1979-80. 225 pp.

New York

Division of Budget, Albany, Budget Service Unit
New York State Statistical Yearbook, 1979-80. 9th ed. 346 pp. (Out of print.)

North Carolina

Office of State Budget and Management, Raleigh Research and Planning Services Section
North Carolina State Government Statistical Abstract. 1983. 400 pp.
Profile—North Carolina Counties. 5th ed. 1981. 267 pp. (*Profile, Update*, 1982, 47 pp.)

North Dakota

Bureau of Business and Economic Research, Grand Forks
The Statistical Abstract of North Dakota. 1979. 500 pp.
 Economic Development Commission, Bismark
North Dakota Growth Indicators. 1982. 85 pp.

Ohio

Department of Development, Columbus, Ohio Data Users Center
Ohio Data User Center Sets (Updated continuously.)

Oklahoma

University of Oklahoma, Norman, Center for Economic and Management Research
Statistical Abstract of Oklahoma, 1982. 450 pp.

Oregon

Oregon Department of Human Resources, Salem, State Community Services Program
Social Accounting for Oregon: Socio-Economic Indicators, 1980. 420 pp. (No longer published.)

Pennsylvania

Department of Commerce, Harrisburg, Bureau of Statistics, Research and Planning
Pennsylvania Statistical Abstract, 1980. 24th ed. 1982. 245 pp.

Rhode Island

Department of Economic Development, Providence
Rhode Island Basis Economic Statistics. 1982-1983. 200 pp.

South Carolina

Budget and Control Board, Columbia, Division of Research and Statistical Services
South Carolina Statistical Abstract: 1981. 237 pp.

South Dakota

South Dakota State Planning Bureau, Pierre
South Dakota Facts. 1976. 328 pp.
 (No longer published.)

Tennessee

University of Tennessee, Knoxville, Center for Business and Economic Research
Tennessee Statistical Abstract, 1980. 5th ed. 750 pp. (Triennial.)

Texas

Dallas Morning News, Dallas
Texas Almanac, 1982-1983. 1981. 640 pp.
 University of Texas, Austin, Bureau of Business Research
Texas Fact Book, 1982. 4th ed. 195 pp.

Utah

University of Utah, Salt Lake City, Bureau of Economic and Business Research
1982 Statistical Abstract of Utah. 1982.
 Utah Foundation, Salt Lake City
Statistical Review of Government in Utah. 1982. 99 pp. (1983 edition to be issued in April 1983.)

Vermont

Department of Budget and Management, Montpelier
Vermont Facts and Figures, 1975. 3d ed. 1975. 461 pp. (Out of print.)

Washington

Washington State Office of Financial Management, Olympia
State of Washington Pocket Data Book, 1981. 262 pp.
 Washington State Research Council, Olympia
The Book of Numbers. 1982. 64 pp.

West Virginia

West Virginia Research League, Inc., Charleston
Economic Indicators. 1981. 92 pp.
The 1980 Statistical Handbook. 1981. 76 pp.

West Virginia—Con.

West Virginia Chamber of Commerce,
Charleston

West Virginia: An Economic-Statistical Profile, 1982. 287 pp.

Wisconsin

Department of Administration, Madison,
Bureau of Planning and Budget, Demographic Services Center

Wisconsin Statistical Abstract. 4th ed.
1979. 215 pp.

Legislative Reference Bureau, Madison

1981-1982 Wisconsin Blue Book. 1,000 pp.
(Biennial.)

Wyoming

Department of Administration and Fiscal Control, Cheyenne, Division of Research and Statistics

Wyoming Data Book, 1981. 201 pp.

Puerto Rico

Planning Board, Santurce, Bureau of Economic Analysis and Projections

Statistical Yearbook, 1976. 209 pp.

Socioeconomic Statistics, 1980. 14 pp.

APPENDIX V

Index to State Statistics in the 1982 Edition of the State and Metropolitan Area Data Book

[The 1982 edition of the *State and Metropolitan Area Data Book* (see inside back cover) contains over 2,000 subject items of comparative data for States, regions, and divisions. Listed below are the *Statistical Abstract* tables in this edition and the item numbers from table C (the State table) in the *State and Metropolitan Area Data Book* for which comparative State data are presented. Both national-level and State-level *Abstract* tables are linked to the items in table C in order to provide easy reference to more detailed statistics.]

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656	852-872	880	904-917,	1071	1577-1580	1258	1396-1398
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